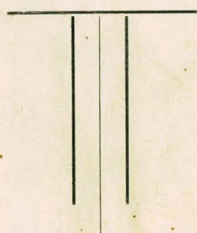


ESTIMACION DE DATOS  
PLUVIOMETRICOS EN  
SERIES INCOMPLETAS



1967

*Ana Goltzman Keis*  
*Angel Nieto Fontiveros*

Para guerra  
con todo mi aprecio  
Amita.

TESIS  
GN  
67

UNIVERSIDAD CENTRAL DE VENEZUELA

Facultad de Ingeniería.

Departamento de: METEOROLOGIA E HIDROLOGIA.

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ESTIMACION DE DATOS PLUVIOMETRICOS EN SERIES

INCOMPLETAS.

Caracas: Septiembre de 1967.-

UNIVERSIDAD CENTRAL DE VENEZUELA

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Trabajo Especial de Grado presentado ante la:

Ilustre UNIVERSIDAD CENTRAL DE VENEZUELA

Para optar al Título de:

HIDROMETEOROLOGISTA.

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Ana Goltzman Keis

Angel Nieto Fontiveros

DEDICATORIAS:

A mis padres.

Ana Goltzman.

A mis padres.

Angel Nieto Fontiveros.

PROFESOR GUIA:

Arturo Klanke.

AGRADECIMIENTO:

Queremos expresar nuestro más profundo agradecimiento a todo el Profesorado del Departamento de Hidrología y Meteorología de la Facultad de Ingeniería de la Universidad Central de Venezuela, y muy especialmente al Prof. Arturo Klanke Jefe de la Central de Datos Geofísicos, Profesor Guía de este Trabajo, al Prof. Arnaldo Roselló y al Prof. Roberto Alvarez quienes por su valiosa y decidida colaboración contribuyeron a la culminación de este Trabajo.

Al personal del Departamento de Cálculo Numérico de la Facultad de Ciencias de la Universidad Central de Venezuela, organismo este que nunca regateó en ofrecernos sus máquinas, muy especialmente al Prof. Eduardo Menda por su eficaz ayuda técnica y al Prof. Vicente Alonzo por su ayuda prestada en el procesamiento del programa.

A la Señorita Altagracia Riera por su colaboración en la copia mecanográfica de este trabajo y por sus sugerencias especiales en la presentación, y a todos los que en una u otra forma contribuyeron a la feliz terminación de este trabajo que hoy presentamos ante las Autoridades Universitarias.

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## PROLOGO

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El objetivo del presente Trabajo, es obtener por estimación, bajo un criterio científico datos pluviométricos para series incompletas (con lagunas), así como también darle mayor peso en su empleo a aquellos registros que puedan presentar dudas sobre su exactitud.

Venezuela se esfuerza en presentar a los usuarios nacionales e internacionales el procesamiento de todas las observaciones dentro de la técnica más moderna aconsejada por la Organización Mundial de Meteorología, Organización a la cual pertenece nuestro país. Siendo esta una de las razones que ha motivado este Trabajo.

Cabe señalar que no se pretende dar una solución definitiva al problema existente, ya que al respecto se han desarrollado diferentes métodos, cada uno de ellos con sus ventajas y desventajas propias.

Se trata solo de establecer un procedimiento sencillo con la mayor eficacia posible, utilizando las técnicas modernas de programación y procesamiento de datos, los cuales han sido debidamente dispuestos, tomando en cuenta las condiciones climáticas que permiten relacionarlos entre sí por medio de la teoría matemática de correlación y regresión.

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## I N T R O D U C C I O N

Dentro de los fenómenos hidrometeorológicos, la precipitación está considerada como uno de los de mayor interés, ya que es inobjetable su influencia directa en el desarrollo de las actividades humanas.

Entre los innumerables campos donde el estudio de la precipitación se hace necesario, podemos mencionar:

- 1) - En los estudios previos a ser empleados en las diferentes obras de ingeniería:

Canalizaciones, trazado de avenidas, obras de control de crecientes, obras de riego, abastecimiento de agua, etc..

- 2) - En algunos campos de la Bioclimatología tales como:

- a) - Bioclimatología humana.
- b) - Fitobioclimatología.
- c) - Zoobioclimatología.

En general para los estudios donde los datos de precipitación se hagan necesarios, debe disponerse de períodos continuos de registros que sean suficientemente representativos.

Pero se da el caso que en los países donde la hidrometereolo-

gía es una ciencia que comienza a desarrollarse, no se cuenta con los datos dispuestos en la forma requerida por los usuarios, existiendo además el agravante de ser éstos muy escasos; por consiguiente se hace necesario utilizarlos todos, aún tratando de eliminar dudas sobre la veracidad de los mismos.

Por las razones expuestas es de esperar que el objetivo de este trabajo sea conseguido a cabalidad y su uso sea efectivo para el futuro.

Se hace notar que el método utilizado puede ser extendido para la estimación de cualquier otro parámetro metereológico, introduciendo para ello las modificaciones necesarias.

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## METODO DE TRABAJO.

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El desarrollo del procedimiento práctico que lleva a calcular los datos pluviométricos en series incompletas, es función específica de la correlación existente entre los valores considerados. Para ello es necesario averiguar si las condiciones climatológicas de las estaciones guardan similitud entre sí.

Los factores climáticos dinámicos más influyentes para condicionar esta relación, vienen asociados con:

El viento, temperatura, presión, insolación, radiación, con su distribución tridimensional, ect..

Debe cumplirse, además de las condiciones anteriores, que las características fisiográficas entre estaciones sean homogéneas, así como las separaciones entre puntos de observación adecuada.

Una vez satisfechos los requisitos anteriormente especificados se procede al estudio de los histogramas, estableciendo inter-comparaciones, que señalen si las marchas de la variación pluviográfica son las mismas o si presentan algunas diferencias. Si dichas variaciones son similares, se asumirá que los coeficientes de correlación son aceptables para la estimación de datos, lo cual se comprobará efectuando los cálculos estadísticos correspondientes en la computadora electrónica.

El procedimiento a seguir se explicará a continuación:

El programa se ha elaborado para procesar series pluviométricas en la computadora 1620 con 60.000 posiciones de memoria, discos e impresora en serie.

El programa acepta hasta 6 estaciones pluviométricas, cada una de las cuales puede suministrar series de 100 años o más, dependiendo del área de trabajo en el disco, asignado por el Departamento de Cálculo en el sistema de computación, siendo el orden de entrada de las estaciones por antigüedad de las series, terminando en las más recientes.

El programa revisa la entrada de datos dando los mensajes correspondientes en caso de error de secuencia, y estima los datos faltantes por medio de la recta de regresión, la cual se calcula a partir de los datos observados.

ENTRADA DE DATOS.

Los datos entran por tarjetas en la forma siguiente:

1º) - En columna 4 el número de estaciones que se van a leer.

2º) - Una tarjeta de identificación de estación la cual se perfora de la siguiente manera:

Columna 1: \* (asterisco)

Columnas 20 a 76: Nombre de la estación, estado e institución a la cual pertenece.

Columnas 77 a 80: Serial de la estación (KAMPO 1)

3º) - Tarjetas que contienen los datos de la estación, en cada una de ellas se tienen los datos de 1 año y vienen perforadas de la siguiente manera:

Columnas 1 a 2: año

Columnas 3 a 4: blanco

Columnas 5 a 76: datos mensuales con campos de 6 posiciones cada uno.

Columnas 77 a 80: Serial de la estación (KAMPO).

Los datos de los meses tienen 6 cifras, de las cuales las 4 primeras se consideran enteras y la quinta decimal, estando en la sexta especificado un código (de 0 a 9), el cual se interpreta de forma que si es menor o igual a 2 el dato fué observado, y si es mayor que 2 hay que estimar el valor por no ser un dato fehaciente.

El punto decimal no se perfora. Al terminar todos los datos de una estación se coloca una tarjeta en blanco, y luego la tarjeta de identificación de la siguiente estación, repitiéndose el ciclo hasta llegar a la n- sima.

### LIMITACIONES DEL PROGRAMA Y PRECISION EN LOS CALCULOS.

El programa ha sido ensamblado con tarjetas de parámetros para dar a las variables reales 12 cifras significativas, con el objeto de tener una mayor precisión en la inversión de matrices, y de 5 cifras significativas para las variables enteras.

Los nombres de los meses están guardados en la memoria, editándose el nombre respectivo al comenzar el cálculo del mes correspondiente.

El programa revisa la entrada de datos de la siguiente manera:

Si el número de estaciones que se van a leer es mayor que 6 se dicta el mensaje "El valor de N incorrecto" y abandona el trabajo.

En los siguientes casos se edita el mensaje Error de secuencia" y abandona el trabajo:

- 1º) - Si en las tarjetas de identificación de estación no se encuentra perforado un asterisco (\*) en la primera columna.
- 2º) - Si KAMPO 1 y KAMPO de la misma estación no coinciden.
- 3º) - Si las estaciones no han entrado en el orden correcto.



El programa no efectúa los cálculos de: coeficientes de correlación totales (orden cero), coeficientes de regresión, error del coeficiente de regresión y edita el mensaje "Estación (Nº) Eliminada" en los casos donde intervenga una estación como variable independiente con datos todos nulos.

Si el número de años datos comunes es menor que el número de estaciones, se edita el mensaje "Número de años = (Nº) menor que número de estaciones = (Nº)" y abandona el trabajo.

#### Ordenación de las series:

Después del primer año común las series no deben tener discontinuidades. En caso de existir éstas, deben eliminarse añadiendo tarjetas que contengan los años afectados con datos mensuales cuyos valores se encuentren entre 0.3 y 0.9.

Las series que tenga discontinuidades en los años previos al común, o cuyo año anterior al común tengan datos faltantes, se colocan a continuación del último año común, esto es si todas las series terminan en el mismo año, si nó, hay que completar las series añadiendo tarjetas que contengan los años no comunes con datos mensuales cuyos valores se encuentren entre 0.3 y 0.9.

# FUNDAMENTO ESTADISTICO.

Las series estadísticas que se consideran para el cálculo vienen dadas de la siguiente manera:

## ESTACIONES

|                      |          |                |          |
|----------------------|----------|----------------|----------|
|                      | $X_1$    | $X_2$ .....    | $X_p$    |
|                      | $X_{11}$ | $X_{21}$ ..... | $X_{p1}$ |
|                      | $X_{12}$ | $X_{22}$ ..... | $X_{p2}$ |
|                      | $X_{1N}$ | $X_{2N}$       | $X_{pN}$ |
| DATOS MENSUALES<br>↓ |          |                |          |

con  $N > P$

Correlación múltiple: Es el grado de relación existente entre tres o más variables.

Notación: Se denomina  $X_1, X_2, \dots, X_p$  a las variables consideradas, siendo  $X_{11}, X_{12}, X_{13}, \dots, X_{1N}$  los valores que asume la variable  $X_1$ ;  $X_{21}, X_{22}, X_{23}, \dots, X_{2N}$  los valores asumidos por la variable  $X_2$  y así hasta llegar a la

p-ésima estación.

El coeficiente de correlación total o de orden cero entre las variables  $X_i$  y  $X_j$  viene dado por:

$$r_{ij} = \frac{\sum_{\alpha=1}^N X_{i\alpha} X_{j\alpha} - N \bar{X}_i \bar{X}_j}{\sqrt{\sum_{\alpha=1}^N X_{i\alpha}^2 - N \bar{X}_i^2} \sqrt{\sum_{\alpha=1}^N X_{j\alpha}^2 - N \bar{X}_j^2}}$$

para  $\begin{cases} i = 1, 2, \dots, p \\ j = 1, 2, \dots, p \end{cases}$

Ecuación de regresión: Esta ecuación se utiliza para estimar una variable dependiente, sea esta  $X_1$ , a partir de las variables independientes  $X_2, X_3, \dots, X_p$

El hiperplano de regresión mínimo cuadrático de  $X_1$  sobre  $X_2, X_3, \dots, X_p$  se define como:

$$X_1 - \bar{X}_1 = b_{12} (X_2 - \bar{X}_2) + b_{13} (X_3 - \bar{X}_3) + \dots + b_{1p} (X_p - \bar{X}_p)$$

de manera que:

$$U = \sum_{\alpha=1}^N [(X_{1\alpha} - \bar{X}_1) - b_{12} (X_{2\alpha} - \bar{X}_2) - b_{13} (X_{3\alpha} - \bar{X}_3) - \dots - b_{1p} (X_{p\alpha} - \bar{X}_p)]^2 \dots (1)$$

sea un mínimo.

Los  $b_{1j}$  son los coeficientes de regresión parcial de  $X_1$  sobre  $X_j$  manteniendo las variables  $X_k$  restantes constantes.

Para determinar estos coeficientes se deriva la expresión (1) respecto a cada uno de los  $(p-1)$  coeficientes desconocidos  $b$  con lo que se obtiene:

$$\sum_{\alpha=1}^N (X_{1\alpha} - \bar{X}_1)(X_{K\alpha} - \bar{X}_K) = b_{12} \sum_{\alpha=1}^N (X_{2\alpha} - \bar{X}_2)(X_{K\alpha} - \bar{X}_K) + \dots + b_{1p} \sum_{\alpha=1}^N (X_{p\alpha} - \bar{X}_p)(X_{K\alpha} - \bar{X}_K) \quad (2)$$

para  $K = 2, 3, \dots, p$ .

Se construye la matriz simétrica:

$$A = \begin{vmatrix} a_{11} & a_{12} & \dots & a_{1p} \\ a_{21} & a_{22} & \dots & a_{2p} \\ \vdots & \vdots & \ddots & \vdots \\ a_{p1} & a_{p2} & \dots & a_{pp} \end{vmatrix}$$

siendo sus elementos:

$$a_{ij} = \sum_{\alpha=1}^N (X_{i\alpha} - \bar{X}_i)(X_{j\alpha} - \bar{X}_j) = \sum_{\alpha=1}^N X_{i\alpha} X_{j\alpha} - N \bar{X}_i \bar{X}_j$$

sustituyendo estos valores en la expresión (2) se tiene un sistema de  $p-1$  ecuaciones:

$$a_{22} b_{12} + a_{23} b_{13} + \dots + a_{2p} b_{1p} = a_{21}$$

$$a_{32} b_{12} + a_{33} b_{13} + \dots + a_{3p} b_{1p} = a_{31}$$

$$a_{p2} b_{12} + a_{p3} b_{13} + \dots + a_{pp} b_{1p} = a_{p1}$$

Resolviendo el sistema se obtienen los coeficientes:

$$b_{1k} = - \frac{A_{1k}}{A_{11}} = - \frac{\frac{A_{1k}}{|A|}}{\frac{A_{11}}{|A|}} = - \frac{a^{1k}}{a^{11}}$$

y por simple permutación de índices se obtienen los coeficientes de regresión:

$$b_{ik} = - \frac{a^{ik}}{a^{11}} \quad \begin{cases} i = 1, 2, \dots, p \\ k = 1, 2, \dots, p \end{cases}$$

Siendo  $a^{ik}$  los elementos de la inversa de la matriz A.

Los coeficientes de correlación parcial vienen dados por:

$$r_{ij} = - \frac{A_{ij}}{\sqrt{A_{ii}} \sqrt{A_{jj}}} = - \frac{a^{ij}}{\sqrt{a^{ii}} \sqrt{a^{jj}}}$$

El coeficiente de correlación múltiple se define como:

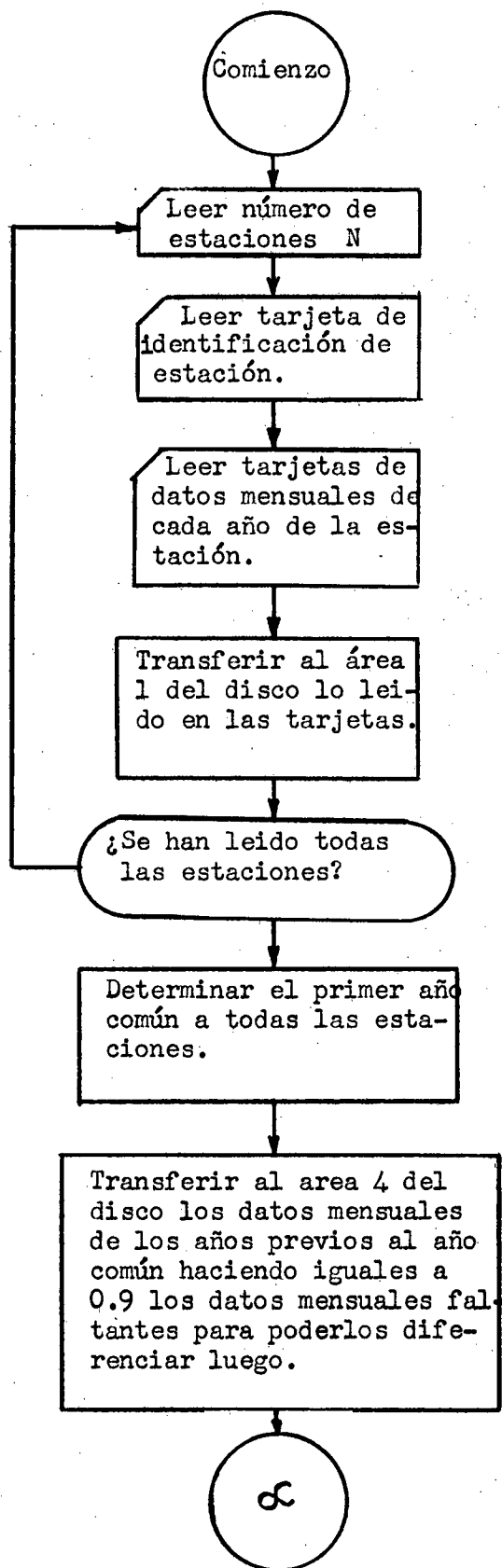
$$R_i = \sqrt{1 - \frac{|A|}{a_{ii} A_{ii}}} = \sqrt{1 - \frac{1}{a_{ii} \frac{A_{ii}}{|A|}}}$$

$$= \sqrt{1 - \frac{1}{a_{ii} a^{ii}}}$$

El error Standard de estimación es:

$$S \hat{x}_i = \frac{1}{\sqrt{N(N-P) a^{ii}}}$$

# DIAGRAMA DE FLUJO



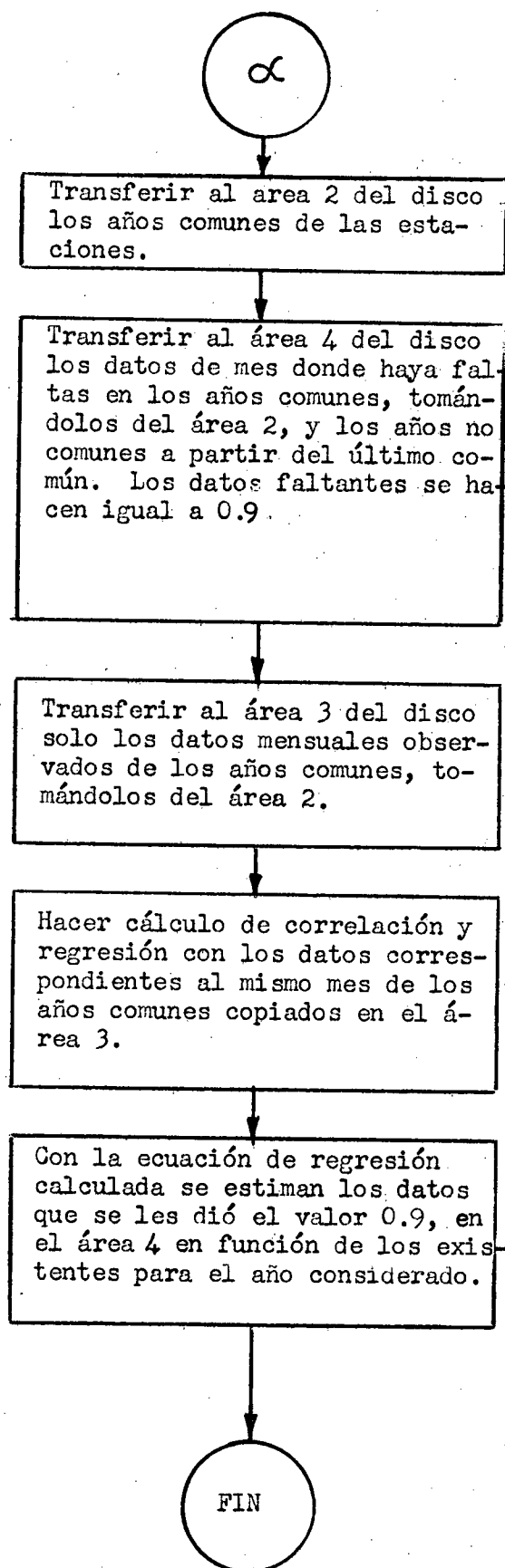
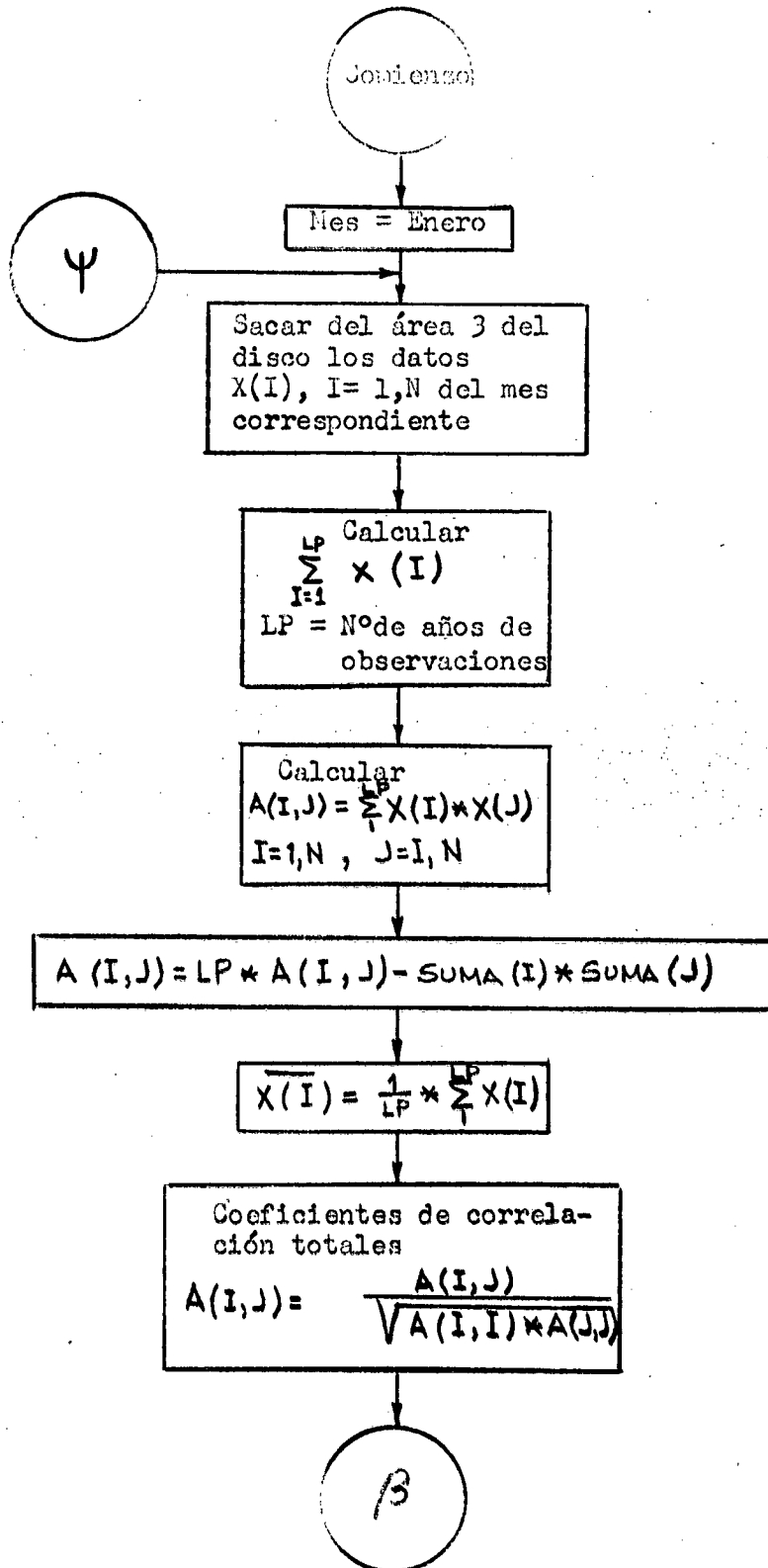
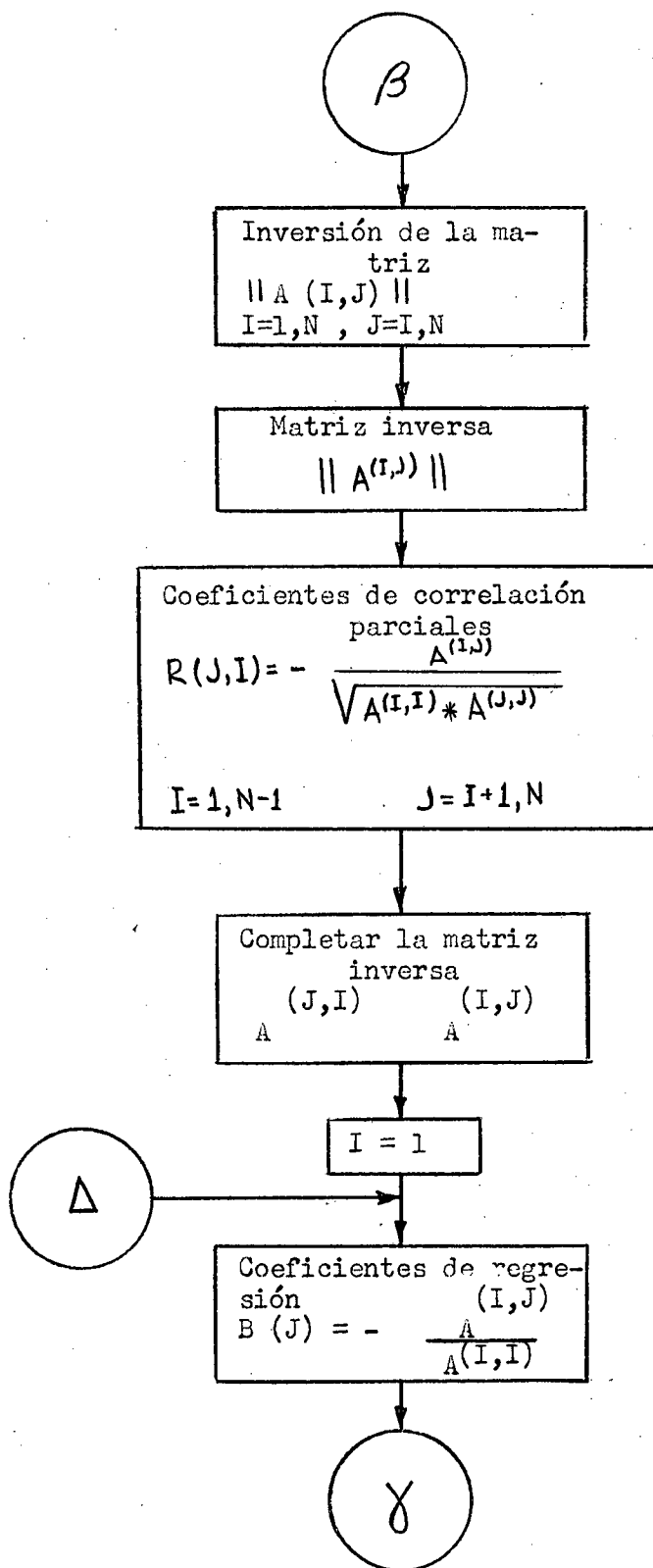
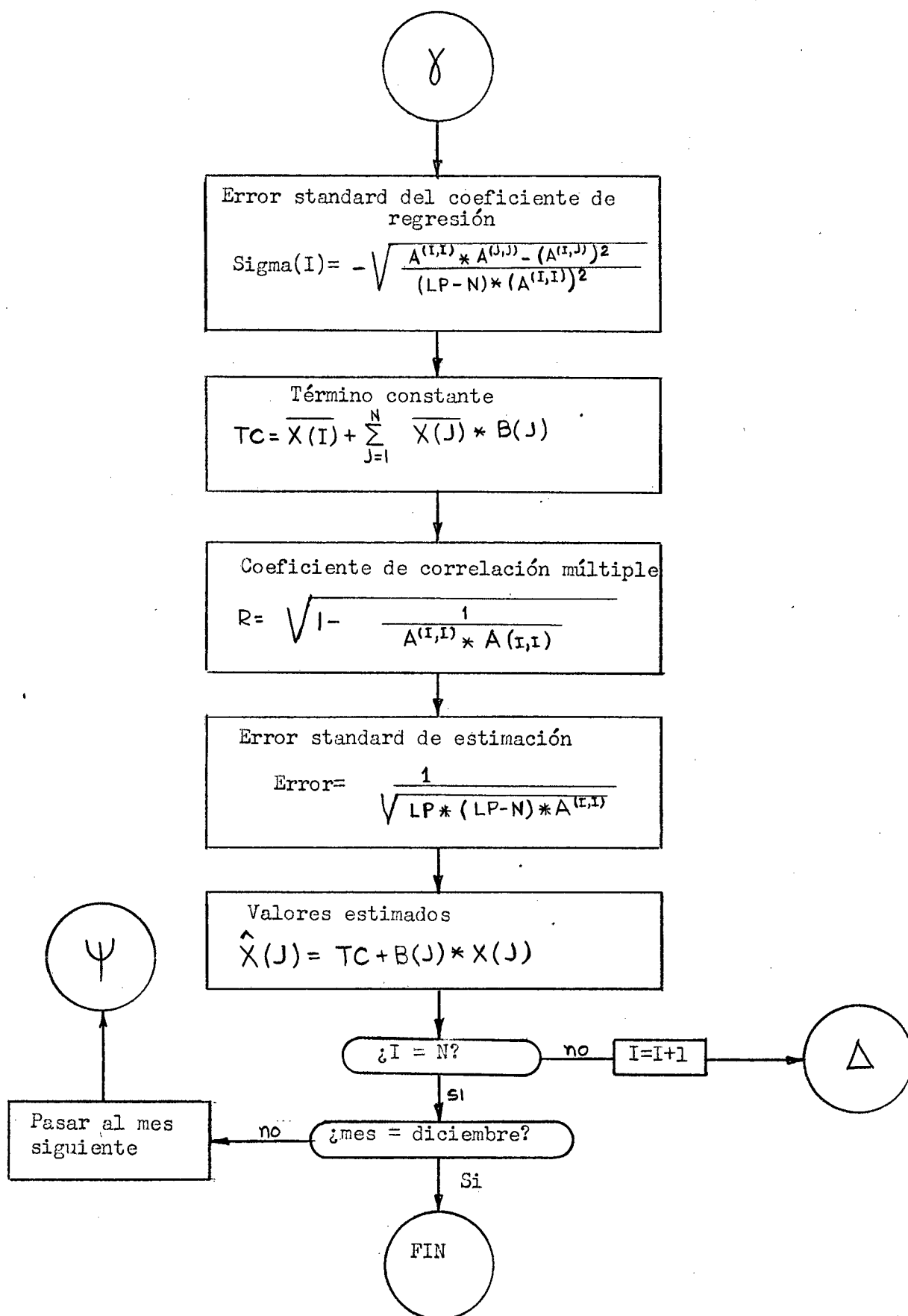




DIAGRAMA DE FLUJO PARA EL CALCULO DE  
CORRELACION, REGRESION Y ESTIMACION DE DATOS.-







Como ejemplo de trabajo, se estimarán los datos pluviométricos en series incompletas, de la cuenca hidrográfica del Valle de Caracas.

La clasificación climática de la cuenca, basada en el método de Thomwaite, ha sido tomada de los trabajos realizados por "El estudio climático de Caracas" llevado a cabo en la Universidad Central de Venezuela, Facultad de Ingeniería, Departamento de Hidrología y Meteorología, el cual publicará en Noviembre, un Atlas que contiene el Mapa de la Cuenca con su clasificación climática.

\*LDISKDATPLU

\*FANDK1205

C ESTIMACION DE DATOS PLUVIOMETRICOS MEDIANTE  
C CORRELACION Y REGRESION  
C

C PROGRAMADO POR ANA GOLTZMAN  
C DEPARTAMENTO DE HODROLOGIA Y METEREOLOGIA U.C.V. 1967  
C

DIMENSION H(10),XM(12), YX(6),XY(6),LN(6),M(6),NA(6),KI(6),X(6),  
1A(6,6),SB(6),SUMA(6),SIGMA(6),B(6),V(6),NL(6),XX(6)

DIMENSION NTIT(5,12)

DEFINE DISK (14,7400)

C

K=1

|       |    |     |       |
|-------|----|-----|-------|
| NTIT( | 1, | 1)= | 45550 |
| NTIT( | 2, | 1)= | 45590 |
| NTIT( | 3, | 1)= | 56000 |
| NTIT( | 4, | 1)= | 0     |
| NTIT( | 5, | 1)= | 0     |
| NTIT( | 1, | 2)= | 46450 |
| NTIT( | 2, | 2)= | 42590 |
| NTIT( | 3, | 2)= | 45590 |
| NTIT( | 4, | 2)= | 56000 |
| NTIT( | 5, | 2)= | 0     |
| NTIT( | 1, | 3)= | 54410 |
| NTIT( | 2, | 3)= | 59690 |
| NTIT( | 3, | 3)= | 56000 |
| NTIT( | 4, | 3)= | 0     |
| NTIT( | 5, | 3)= | 0     |
| NTIT( | 1, | 4)= | 41420 |
| NTIT( | 2, | 4)= | 59490 |
| NTIT( | 3, | 4)= | 53000 |
| NTIT( | 4, | 4)= | 0     |
| NTIT( | 5, | 4)= | 0     |
| NTIT( | 1, | 5)= | 54410 |
| NTIT( | 2, | 5)= | 68560 |
| NTIT( | 3, | 5)= | 0     |
| NTIT( | 4, | 5)= | 0     |
| NTIT( | 5, | 5)= | 0     |
| NTIT( | 1, | 6)= | 51640 |
| NTIT( | 2, | 6)= | 55490 |
| NTIT( | 3, | 6)= | 56000 |
| NTIT( | 4, | 6)= | 0     |
| NTIT( | 5, | 6)= | 0     |
| NTIT( | 1, | 7)= | 51640 |
| NTIT( | 2, | 7)= | 53490 |
| NTIT( | 3, | 7)= | 56000 |
| NTIT( | 4, | 7)= | 0     |
| NTIT( | 5, | 7)= | 0     |

```

NTIT( 1, 8)= 41470
NTIT( 2, 8)= 56620
NTIT( 3, 8)= 63560
NTIT( 4, 8)= 0
NTIT( 5, 8)= 0
NTIT( 1, 9)= 62450
NTIT( 2, 9)= 57630
NTIT( 3, 9)= 49450
NTIT( 4, 9)= 54420
NTIT( 5, 9)= 59450
NTIT( 1, 10)= 56430
NTIT( 2, 10)= 63640
NTIT( 3, 10)= 42590
NTIT( 4, 10)= 45000
NTIT( 5, 10)= 0
NTIT( 1, 11)= 55560
NTIT( 2, 11)= 65490
NTIT( 3, 11)= 45540
NTIT( 4, 11)= 42590
NTIT( 5, 11)= 45000
NTIT( 1, 12)= 44490
NTIT( 2, 12)= 43490
NTIT( 3, 12)= 45540
NTIT( 4, 12)= 42590
NTIT( 5, 12)= 45000

```

```

C
READ(1,1)N
IF(N)6000,6000,6001
6001 IF(N-6)6002,6002,6000
6000 WRITE(3,6003)N
6003 FORMAT(22H VALOR DE N INCORRECTO,I5)
GO TO 753
6002 DO 60 IK=1,N
XX(IK)=-1.
LN(IK)=0
READ(1,2)NC1X,H,KAMPO1
WRITE(3,7771)NC1X,H,KAMPO1
7771 FORMAT(1H ,A1,19X,9A6,A2,I4)
IF(NC1X-14000)999,2139,999
2139 RECORD(K) (H(I),I=1,10),KAMPO1
30 READ(1,3)NANO,XM,KAMPO
IF(KAMPO)10,600,10
600 WRITE(3,540)
GO TO 60
10 WRITE(3,7772)NANO,XM,KAMPO
7772 FORMAT(1H ,I2,2X,6F12.1/1H ,4X,6F12.1,I4)
IF(KAMPO-KAMPO1)999,7810,999
7810 LN(IK)=LN(IK)+1
RECORD(K) NANO,(XM(I),I=1,12)

```

```

      GO TO 30
60 CONTINUE
      KH=K
      L=1
754 KR=KH
      KKR=2*KH
      KF=3*KH
      WRITE(3,7854)(NTIT(ILK,L),ILK=1,5)
7854 FORMAT(7H1MES DE,1X,5A2)
C
      I=1
      KI(I)=2
720 K=KI(I)
      FETCH(K) NANO,(XM(IG),IG=1,12)
      NA(I)=NANO
      YX(I)=XM(L)
      IF(I-N)721,722,721
721 K=K+LN(I)
      I=I+1
      KI(I)=K
      GO TO 720
722 I=2
727 IF(NA(I-1)-NA(I))723,724,999
724 IF(I-N)725,726,725
725 I=I+1
      GO TO 727
723 IF(I-2)729,728,729
728 JX=YX(1)
      TEM=JX
      UC=YX(1)-TEM
      IF(UC-0.2)2136,2136,2137
2136 XY(1)=TEM
      DO 2138 IKI=2,N
2138 XY(IKI)=0.9
      NANO=NA(1)
      RECORD(KF)NANO,(XY(IG),IG=1,N)
2137 KI(1)=KI(1)+1
      K=KI(1)
      FETCH(K) NANO,(XM(IG),IG=1,12)
      NA(1)=NANO
      YX(1)=XM(L)
      GO TO 727
729 II=I-1
      DO 730 J=1,II
      JX=YX(J)
      TEM=JX
      UC=YX(J)-TEM
      IF(UC-0.2)9800,9800,9801
9800 XY(J)=TEM

```

```

GO TO 730
9801 XY(J)=0.9
730 CONTINUE
DO 731 J=1,N
731 XY(J)=0.9
RECORD (KF) NANO,(XY(IG),IG=1,N)
II=I-1
DO 740 J=1,II
KI(J)=KI(J)+1
K=KI(J)
FETCH (K) NANO,(XM(IG),IG=1,12)
NA(J)=NANO
740 YX(J)=XM(L)
GO TO 727
726 KK=1
DO 750 I=1,N
FETCH(KK)(H(IG),IG=1,10),KAMPO
RECORD(KR) (H(IG),IG=1,10),KAMPO
K=KI(I)
751 FETCH(K) NANO,(XM(IG),IG=1,12)
RECORD(KR) NANO,(XM(IG),IG=1,12)
IF(K-KK-LN(I))751,752,751
752 NL(I)=LN(I)-KI(I)+KK
KK=K
750 CONTINUE
KR=KH
LL=1
DO 51 J=1,N
51 M(J)=0
DO 2063 I=1,N
2063 KI(I)=0
J=1
KP=KR+1
14 K=KP
DO 9732 I=1,N
9732 XX(I)=-1.
I=1
17 FETCH (K) NANO,(XM(IG),IG=1,12)
M(J)=M(J)+1
KI(I)=KI(I)+1
IF(M(J)-NL(I))80,70,80
70 LL=0
80 JX=XM(L)
TEM=JX
UC=XM(L)-TEM
IF(UC-0.2) 90,90,111
111 XY(I)=0.9
IF(I-1)104,105,104
104 IF(I-N)2020,2022,2020

```



```
2020 IJ=I-1
      I=1
107  XY(I)=X(I)
      IF(I-IJ)106,745,106
106  I=I+1
      GO TO 107
745  I=I+1
105  K=K+NL(I)
      I=I+1
      J=J+1
      FETCH (K) NANO,(XM(IG),IG=1,12)
      M(J)=M(J)+1
      KI(I)=KI(I)+1
      IF(M(J)-NL(I))108,109,108
109  LL=0
108  JX=XM(L)
      TEM=JX
      UC=XM(L)-TEM
      IF(UC-0.2)2021,2021,2022
2022 XY(I)=0.9
      GO TO 2023
2021 XY(I)=TEM
2023 IF(I-N)105,110,105
110  KCON=0
      DO 2150 I=1,N
      IF(XX(I))970,2459,2459
2459 XY(I)=X(I)
      KCON=KCON+1
      GO TO 2150
970  IF(XY(I)-0.9)2110,2150,2110
2150 CONTINUE
      IF(KCON)2110,100,2110
2110 RECORD(KF)NANO,(XY(I),I=1,N)
      GO TO 100
90   X(I)=TEM
      XX(I)=X(I)
      IF(I-N) 11,21,11
21   RECORD(KKR) X
100  IF(LL)101,15,101
101  KP=KP+1
13   IF(J-N)12,22,12
12   J=J+1
      M(J)=M(J)+1
      GO TO 13
22   J=1
      GO TO 14
11   K=K+NL(I)
      J=J+1
      I=I+1
```

```

      GO TO 17
15  DO 2068 I=1,N
      IF(KI(I)-NL(I))2069,2068,2068
2068 CONTINUE
      GO TO 2070
2069 DO 2064 I=1,N
      IF(KI(I)-NL(I))2065,2066,2066
2065 NS=0
      DO 2073 II=1,I
2073 NS=NS+KI(II)
      KSEC=KH+NS+I
      FETCH(KSEC)NANO,(XM(IG),IG=1,12)
      KI(I)=KI(I)+1
      JX=XM(L)
      TEM=JX
      UC=XM(L)-TEM
      IF(UC-0.2)2067,2067,2066
2067 XY(I)=TEM
      GO TO 2064
2066 XY(I)=0.9
2064 CONTINUE
      DO 3000I=1,N
      IF(XY(I)-0.9)3002,3000,3002
3000 CONTINUE
      GO TO 15
3002 RECORD(KF)NANO,(XY(I),I=1,N)
      GO TO 15
2070 KRK=KKR
      LP=KRK-2*KH
      IF(LP-N)741,741,742
741 WRITE(3,743)LP,N
743 FORMAT(24H NUMERO DE ANOS COMUNES=,I4,32H MENOR QUE NUMERO DE ESTA
1CIONES=,I4)
      GO TO 753
742 KSP=KF
      KSQ=KSP-3*KH
      KT=2*KH
      NN=N-1
      DO 20 I=1,N
      SUMA(I)=0.0
      DO 20 J=1,N
20  A(I,J)=0.0
      DO 55 KQ=1,LP
      FETCH (KT) SB
      DO 45 I=1,N
45  SUMA(I)=SUMA(I)+SB(I)
      DO 55 I=1,N
      DO 55J=I,N
55  A(I,J)=A(I,J)+SB(I)*SB(J)

```

```

D=LP
DO 75 I=1,N
DO 75 J=I,N
75 A(I,J)=D*A(I,J)-SUMA(I)*SUMA(J)
DO 103 I=1,N
SUMA(I)=SUMA(I)/D
SB(I)=A(I,I)
SIGMA(I)=SQRTF(A(I,I))
DT=SIGMA(I)/D
103 WRITE(3,515)I,SUMA(I),DT
WRITE(3,520)
DO 115 I=1,NN
KQ=I+1
DO 115 J=KQ,N
IF(SIGMA(I))1999,1998,1999
1999 IF(SIGMA(J))2000,2002,2000
1998 LE=I
GO TO 2001
2002 LE=J
2001 WRITE(3,1194)LE
1194 FORMAT(9H ESTACION,I5,10H ELIMINADA)
GO TO 115
2000 A(J,I)=A(I,J)/(SIGMA(I)*SIGMA(J))
WRITE(3,525)I,J,A(J,I)
115 CONTINUE
DO 140 KQ=1,N
IF(A(1,1))2060,2061,2060
2061 PIVOT=.9E+20
GO TO 2062
2060 PIVOT=1./A(1,1)
2062 DO 120 I=2,N
120 V(I-1)=A(1,I)
DO 130 I=1,NN
DO 130 J=I,NN
Y=-V(I)*PIVOT
A(I,N)=Y
130 A(I,J)=A(I+1,J+1)+V(J)*Y
A(N,N)=-PIVOT
140 CONTINUE
DO 150 I=1,N
DO 150 J=I,N
150 A(I,J)=-A(I,J)
WRITE(3,530)
DO 165 I=1,NN
KQ=I+1
DO 165 J=KQ,N
IF(A(I,I)*A(J,J))2080,2081,2080
2081 A(J,I)=0.0
GO TO 2082

```

```

2080 A(J,I)=-A(I,J)/SQRTF(A(I,I)*A(J,J))
2082 WRITE(3,525)I,J,A(J,I)
165 A(J,I)=A(I,J)
    DD=LP-N
    DO 265 I=1,N
    KF=3*KH
    KT=2*KH
    WRITE (3,904)
    WRITE(3,570) I
    WRITE (3,535)
    TC=SUMA(I)
    DO 200 J=1,N
    IF(I-J) 180,200,180
180 IF(A(I,I))2003,2004,2003
2004 B(J)=0.0
    GO TO 1075
2003 B(J)=-A(I,J)/A(I,I)
    SIGMA(J)=SQRTF((A(I,I)*A(J,J)-A(I,J)*A(I,J))/(DD*A(I,I)*A(I,I)))
    IF(SIGMA(J)-9999999.)2005,2005,1075
1075 SIGMA(J)=9999999.99999
    WRITE(3,5400)I,J,J
    GO TO 2141
5400 FORMAT(1H ,2I4,9H ESTACION,I4,10H ELIMINADA)
2005 WRITE(3,540)I,J,B(J),SIGMA(J)
2141 TC=TC-SUMA(J)*B(J)
200 CONTINUE
    WRITE (3,545) TC
    IF(A(I,I))2006,2007,2006
2007 ERROR=0.0
    R=0.0
    GO TO 2050
2006 IF(SB(I))2010,2009,2010
2009 R=0.0
    GO TO 2008
2010 R=SQRTF(1.-1./(A(I,I)*SB(I)))
2008 ERROR=1./SQRTF(D*DD*A(I,I))
2050 WRITE(3,550)I,R
    WRITE (3,555) I,ERROR
    WRITE(3,506)
    WRITE(3,560)
    DO 265 KQ=1,KSQ
    FETCH(KF) NANO,(V(IL),IL=1,N)
    IV=V(I)
    TEM=IV
    UC=V(I)-TEM
    IF(UC-0.2) 265,265,260
260 YEST=TC
    DO 250 J=1,N
    IF(I-J)245,250,245

```

```
245 IV=V(J)
    VI=IV
    YEST=YEST+B(J)*VI
250 CONTINUE
    IF(YEST)9988,9989,9989
9988 YEST=0.0
9989 YEST=YEST/10.0
    WRITE(3,565) NANO,YEST
265 CONTINUE
    IF(L-12)820,753,820
820 L=L+1
    GO TO 754
999 WRITE(3,888)
753 CALL EXIT
    1 FORMAT (I4)
    2 FORMAT(A1,19X,9A6,A2,I4)
    3 FORMAT(I2,2X,12F6.1,I4)
506 FORMAT(1H0)
515 FORMAT(1H ,10HMEDIA DE X,I2,1H=,F10.4,5X,13HDESV. TIPICA=,F10.4)
520 FORMAT(1H0,35HCOEF. DE CORR. TOTALES (ORDEN CERO))
525 FORMAT(1H ,2I4,F15.8)
530 FORMAT(1H0,30HCOEF. DE CORRELACION PARCIALES)
535 FORMAT(1H0,45H VARIABLES      COEF.REGR.      ERROR COEF. REGR.)
540 FORMAT(1H ,2I4,F15.5,F17.5)
545 FORMAT(1H0,18HTERMINO CONSTANTE=,F10.4)
550 FORMAT(1H0,28HCOEF. CORRELACION MULTIPLE R,I2,1H=,F11.8)
555 FORMAT(1H0,28HERROR STAND. DE ESTIMACION S,I2,1H=,F 1.4)
560 FORMAT(1H0,25HNANO          ESTIMACION)
565 FORMAT(1H ,I2,8X,F14.1)
570 FORMAT(1H0,10X,24H VARIABLE  DEPENDIENTE  X,I2
888 FORMAT(20H ERROR DE SECUENCIA )
904 FORMAT(1H1)
END
```

| *  | EL CARITE |        |        | DTO.FEDERAL |        | INOS   |
|----|-----------|--------|--------|-------------|--------|--------|
|    |           |        |        |             |        |        |
| 48 | .9        | .9     | .9     | .9          | .9     | .9     |
|    | .9        | .9     | .9     | .9          | 480.6  | 240.0  |
| 49 | 10.0      | 70.0   | 40.0   | 0.0         | 320.0  | 1670.0 |
|    | 520.0     | 1980.0 | 1180.0 | 2770.0      | 1150.0 | 600.0  |
| 50 | 450.0     | 220.0  | 110.0  | 290.0       | 1680.0 | 1960.0 |
|    | 690.0     | 1560.0 | 320.0  | 1570.0      | 1340.0 | 260.0  |
| 51 | 500.0     | 1640.0 | 120.0  | 380.0       | 1440.0 | 2160.0 |
|    | 1310.0    | 620.0  | 1480.0 | 910.6       | 1060.0 | 490.0  |
| 52 | 20.0      | 0.0    | 60.0   | 1150.0      | 880.0  | 1590.0 |
|    | 1400.0    | 1120.0 | 1800.0 | 520.0       | 1140.0 | 680.0  |
| 53 | 520.0     | 120.0  | 10.0   | 60.0        | 1000.0 | 1210.0 |
|    | 1540.0    | 770.0  | 1650.0 | 760.0       | 530.0  | 360.0  |
| 54 | 110.0     | 410.6  | 0.0    | 1410.0      | 390.0  | 1160.0 |
|    | 1400.0    | 1040.0 | 1380.0 | 2450.0      | 460.0  | 810.0  |
| 55 | 600.0     | 30.0   | 240.0  | 320.0       | 400.0  | 1640.0 |
|    | 830.0     | 600.0  | 1070.0 | 1150.0      | 1020.0 | 190.0  |
| 56 | 930.0     | 380.0  | 210.0  | 0.0         | 930.0  | 830.0  |
|    | 930.0     | 1180.0 | 890.0  | 1490.0      | 350.0  | 1040.0 |
| 57 | 150.0     | 30.0   | 0.0    | 0.0         | 840.0  | 1340.0 |
|    | 890.0     | 1150.0 | 720.0  | 970.0       | 1170.0 | 160.0  |
| 58 | 63.0      | 88.0   | 13.0   | 651.4       | 1176.5 | 2438.0 |
|    | 1748.0    | 1874.0 | 1756.0 | 346.0       | 591.0  | 34.0   |
| 59 | 4.0       | 10.0   | 0.0    | 228.0       | 1324.0 | 1144.0 |
|    | 849.0     | 1249.0 | 815.0  | 1217.0      | 648.0  | 58.0   |
| 60 | 106.0     | 55.0   | 0.0    | 397.0       | 1045.0 | 1222.0 |
|    | 1337.0    | 1957.0 | 859.0  | 1742.0      | 942.0  | 892.0  |
| 61 | 26.0      | 25.0   | 8.0    | 35.0        | 43.0   | 207.0  |
|    | 2496.0    | 1143.0 | 1117.0 | 1109.0      | 1255.0 | 347.0  |
| 62 | 23.0      | 48.0   | 319.0  | 112.4       | 1112.5 | 1403.0 |
|    | 1196.0    | 1114.0 | 942.0  | 778.0       | 342.0  | 256.0  |
| 63 | 134.0     | 7.0    | 40.0   | 402.4       | 2693.5 | 1826.0 |
|    | 613.0     | 420.0  | 1282.2 | 1377.0      | 1117.0 | 130.0  |
| 64 | 42.0      | 16.0   | 4.0    | 58.0        | 493.0  | 1746.0 |
|    | 2245.0    | 2101.0 | 1203.0 | 721.0       | 541.0  | 151.0  |
| 65 | 659.0     | 369.0  | 2.0    | 363.0       | 694.0  | 2082.0 |
|    | 1418.0    | 1669.0 | 718.0  | 590.0       | 1237.0 | 137.0  |
| 66 | 158.0     | 89.0   | 2.0    | 176.0       | 955.0  | 2660.0 |
|    | 1651.0    | 864.0  | 777.0  | 1336.0      | 943.0  | 938.0  |

| *  | SABANETA DF |        |        | DTO.FEDERAL |        | INOS   |
|----|-------------|--------|--------|-------------|--------|--------|
|    |             |        |        |             |        |        |
| 49 | .9          | .9     | .9     | .9          | .9     | .9     |
|    | .9          | 1350.6 | 548.0  | 1858.0      | 1350.0 | 1484.0 |
| 50 | 1374.0      | 284.0  | 214.0  | 316.0       | 2638.0 | 2746.0 |
|    | 890.0       | 1044.0 | 544.0  | 1828.0      | 1236.0 | 436.0  |
| 51 | 686.6       | 2572.6 | 274.0  | 464.0       | 814.0  | 2532.0 |
|    | 1284.0      | 410.0  | 698.0  | 1380.0      | 324.0  | 630.0  |
| 52 | 71.0        | 6.0    | 58.0   | 776.0       | 1506.0 | 1319.0 |
|    | 1149.0      | 1506.0 | 1113.0 | 538.0       | 533.0  | 233.0  |
| 53 | 925.0       | 345.0  | 41.0   | 409.0       | 1012.0 | 965.0  |
|    | 1721.0      | 813.0  | 1441.0 | 282.0       | 484.0  | 519.0  |
| 54 | 129.0       | 240.0  | 22.0   | 1058.0      | 522.0  | 1376.0 |
|    | 1220.0      | 732.0  | 716.0  | 2184.0      | 544.0  | 807.0  |
| 55 | 498.0       | 164.0  | 317.0  | 626.0       | 778.0  | 1740.0 |
|    | 1600.0      | 764.0  | 1404.0 | 974.0       | 419.0  | 242.0  |
| 56 | 1547.0      | 223.0  | 756.0  | 165.0       | 744.0  | 724.0  |
|    | 875.0       | 1726.0 | 638.0  | 787.0       | 612.0  | 1424.0 |
| 57 | 276.0       | 89.0   | 0.0    | 473.0       | 896.0  | 1008.0 |

|    |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|
|    | 597.0  | 1170.0 | 780.0  | 967.0  | 1110.0 | 203.0  |
| 58 | 64.0   | 110.0  | 40.0   | 533.0  | 869.0  | 1995.0 |
|    | 2022.0 | 816.0  | 1462.0 | 913.0  | 462.0  | 84.0   |
| 59 | 77.0   | 8.0    | 0.0    | 39.0   | 1587.0 | 1258.0 |
|    | 1025.0 | 1300.0 | 715.0  | 661.0  | 667.0  | 89.0   |
| 60 | 34.0   | 6.0    | 154.0  | 289.0  | 804.0  | 1330.0 |
|    | 967.0  | 1822.0 | 557.0  | 1111.0 | 1143.0 | 1028.0 |
| 61 | 89.0   | 41.0   | 0.0    | 58.0   | 96.0   | 484.0  |
|    | 1916.0 | 1423.0 | 675.0  | 912.0  | 983.0  | 350.0  |
| 62 | 73.4   | 89.5   | 300.0  | 459.0  | 401.0  | 1654.0 |
|    | 915.0  | 1667.0 | 666.0  | 695.0  | 459.0  | 419.0  |
| 63 | 285.0  | 6.0    | 430.0  | 575.0  | 2050.0 | 1679.0 |
|    | 620.0  | 799.0  | 1300.0 | 789.0  | 786.0  | 259.0  |
| 64 | 50.0   | 11.0   | 24.0   | 85.0   | 649.0  | 1325.0 |
|    | 1600.0 | 1092.0 | 1085.0 | 1017.0 | 348.0  | 460.0  |
| 65 | 814.0  | 321.0  | 14.0   | 41.0   | 1058.0 | 2011.0 |
|    | 1237.0 | 1099.0 | 1373.0 | 995.0  | 553.0  | 174.0  |
| 66 | 228.0  | 229.0  | 0.0    | 375.0  | 836.0  | 2109.0 |
|    | 1351.0 | 608.0  | 839.0  | 2072.0 | 1063.0 | 1098.0 |

| *  | LLANO DE CURA |        |        | D.T.O. FEDERAL |        | INOS   |
|----|---------------|--------|--------|----------------|--------|--------|
| 49 | .9            | .9     | .9     | 50.2           | 500.2  | 1000.0 |
|    | 280.0         | 1400.1 | 650.1  | 2500.0         | 490.0  | 830.0  |
| 50 | 670.0         | 50.0   | 20.0   | 350.1          | 960.0  | 1460.0 |
|    | 410.0         | 900.0  | 360.0  | 1210.0         | 500.0  | 140.0  |
| 51 | 210.0         | 950.0  | 30.0   | 390.0          | 900.1  | 1550.0 |
|    | 610.0         | 290.0  | 720.0  | 360.0          | 1030.0 | 510.0  |
| 52 | 90.0          | 0.0    | 60.0   | 830.0          | 920.0  | 880.0  |
|    | 620.0         | 690.0  | 1150.0 | 620.0          | 640.0  | 660.0  |
| 53 | 460.0         | 170.0  | 10.0   | 310.0          | 1200.0 | 800.0  |
|    | 1040.0        | 480.0  | 900.0  | 370.0          | 500.0  | 310.0  |
| 54 | 170.0         | 160.0  | 10.0   | 860.0          | 370.0  | 680.0  |
|    | 1220.0        | 460.0  | 700.0  | 1490.0         | 350.0  | 870.0  |
| 55 | 450.0         | 60.0   | 60.0   | 290.0          | 370.0  | 1830.0 |
|    | 1620.0        | 620.0  | 1320.0 | 1830.0         | 820.0  | 120.0  |
| 56 | 1260.0        | 120.0  | 800.0  | 150.0          | 1010.0 | 1110.0 |
|    | 920.0         | 1380.0 | 960.0  | 870.0          | 750.0  | 1170.0 |
| 57 | 290.0         | 20.0   | 0.0    | 200.0          | 1120.0 | 910.0  |
|    | .9            | 880.0  | 930.0  | 1260.0         | 1000.0 | 90.0   |
| 58 | 108.0         | 210.0  | 2.0    | 392.0          | 887.0  | 2290.0 |
|    | 1909.0        | 1114.0 | 836.0  | 591.0          | 193.0  | 60.6   |
| 59 | 22.6          | 2.0    | 16.0   | 68.0           | 1207.0 | 588.0  |
|    | 666.0         | 963.0  | 642.0  | 1785.0         | 168.0  | 58.0   |
| 60 | 114.0         | 19.0   | 0.0    | 1136.0         | 674.0  | 1174.0 |
|    | 838.0         | 1322.0 | 590.0  | 988.0          | 1728.0 | 767.0  |
| 61 | 52.0          | 46.0   | 304.0  | 154.0          | 289.0  | 580.0  |
|    | 2446.0        | 1298.0 | 986.0  | 665.0          | 1201.0 | 176.0  |
| 62 | 81.0          | 40.0   | 421.0  | 352.0          | 589.0  | 1113.0 |
|    | 805.0         | 966.0  | 785.0  | 1014.0         | 577.0  | 151.0  |
| 63 | 137.0         | 30.0   | 44.0   | 424.0          | 2756.0 | 1579.0 |
|    | 733.0         | 540.0  | 1885.0 | 1228.0         | 1069.0 | 233.0  |
| 64 | 38.0          | 2.0    | 10.0   | 227.0          | 936.0  | 1156.0 |
|    | 1733.0        | 1212.0 | 1390.0 | 1021.0         | 393.0  | 105.0  |
| 65 | 541.0         | 251.0  | 0.0    | 252.0          | 827.0  | 1892.0 |
|    | 1337.0        | 1436.0 | 561.0  | 1092.0         | 1030.0 | 165.0  |
| 66 | 241.0         | 90.0   | 4.0    | 252.0          | 931.0  | 2711.0 |
|    | 1335.0        | 955.0  | 857.0  | 1546.0         | 1190.0 | 937.0  |

MES DE ENERO

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 283.4285 | DESV. TIPICA= | 280.6881 |
| MEDIA DE X 2= | 456.0000 | DESV. TIPICA= | 491.5678 |
| MEDIA DE X 3= | 330.0714 | DESV. TIPICA= | 321.2452 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .88373875 |
| 1 | 3 | .92806545 |
| 2 | 3 | .93734070 |

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .10654840 |
| 1 | 3 | .61147197 |
| 2 | 3 | .67231252 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .06503      | .18297            |
| 1 3       | .71762      | .27999            |

TERMINO CONSTANTE= 16.9077

COEF. CORRELACION MULTIPLE R 1= .92891335

ERROR STAND. DE ESTIMACION S 1= 117.2578

NANO

ESTIMACION



VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .17457      | .49119            |
| 2 3       | 1.29275     | .42917            |

TERMINO CONSTANTE= -20.1799

COEF. CORRELACION MULTIPLE R 2= .93807554

ERROR STAND. DE ESTIMACION S 2= 192.1178

| NANO | ESTIMACION |
|------|------------|
| 49   | 0.0        |
| 51   | 33.8       |
| 62   | 8.8        |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .52102      | .20328            |
| 3 2       | .34964      | .11607            |

TERMINO CONSTANTE= 22.9608

COEF. CORRELACION MULTIPLE R 3= .96124709

ERROR STAND. DE ESTIMACION S 3= 99.9131

| NANO | ESTIMACION |
|------|------------|
| 49   | 2.8        |
| 59   | 5.1        |

MES DE FEBRERO

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 102.7857 | DESV. TIPICA= | 124.4910 |
| MEDIA DE X 2= | 131.6428 | DESV. TIPICA= | 122.8138 |
| MEDIA DE X 3= | 76.4285  | DESV. TIPICA= | 78.6526  |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .73319127 |
| 1 | 3 | .66372990 |
| 2 | 3 | .71631766 |

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .49385318 |
| 1 | 3 | .29195236 |
| 2 | 3 | .45155236 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .53661      | .28487            |
| 1 3       | .45034      | .44482            |

TERMINO CONSTANTE= -2.2744

COEF. CORRELACION MULTIPLE R 1= .75959546

ERROR STAND. DE ESTIMACION S 1= 91.3447

NANO  
54

ESTIMACION  
19.8

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .45450      | .24128            |
| 2 3       | .64103      | .38190            |

TERMINO CONSTANTE= 35.9333

COEF. CORRELACION MULTIPLE R 2= .79489548

ERROR STAND. DE ESTIMACION S 2= 84.0663

| NANO | ESTIMACION |
|------|------------|
| 49   | 6.7        |
| 51   | 139.0      |
| 62   | 8.3        |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .18926      | .18694            |
| 3 2       | .31808      | .18950            |

TERMINO CONSTANTE= 15.1014

COEF. CORRELACION MULTIPLE R 3= .74472247

ERROR STAND. DE ESTIMACION S 3= 59.2175

| NANO | ESTIMACION |
|------|------------|
| 49   | 2.8        |

MES DE MARZO

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 66.9411  | DESV. TIPICA= | 96.8136  |
| MEDIA DE X 2= | 155.5294 | DESV. TIPICA= | 201.2014 |
| MEDIA DE X 3= | 105.3529 | DESV. TIPICA= | 207.5036 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .69970088 |
| 1 | 3 | .61658404 |
| 2 | 3 | .71492285 |

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .47030433 |
| 1 | 3 | .23291994 |
| 2 | 3 | .50402628 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .25480      | .12778            |
| 1 3       | .11103      | .12390            |

TERMINO CONSTANTE= 15.6125

COEF. CORRELACION MULTIPLE R 1= .71921652

ERROR STAND. DE ESTIMACION S 1= 74.1221

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .86804      | .43532            |
| 2 3       | .44349      | .20310            |

TERMINO CONSTANTE= 50.6980

COEF. CORRELACION MULTIPLE R 2= .78692398

ERROR STAND. DE ESTIMACION S 2= 136.8081

| NANO | ESTIMACION |
|------|------------|
| 49   | 8.5        |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .48858      | .54519            |
| 3 2       | .57282      | .26233            |

TERMINO CONSTANTE= -16.4436

COEF. CORRELACION MULTIPLE R 3= .73323771

ERROR STAND. DE ESTIMACION S 3= 155.4810

| NANO | ESTIMACION |
|------|------------|
| 49   | .3         |

MES DE ABRIL

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 347.6428 | DESV. TIPICA= | 407.9608 |
| MEDIA DE X 2= | 369.5714 | DESV. TIPICA= | 289.4054 |
| MEDIA DE X 3= | 390.6428 | DESV. TIPICA= | 305.5144 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .78029152 |
| 1 | 3 | .71511193 |
| 2 | 3 | .57844752 |

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .64300121 |
| 1 | 3 | .51699884 |
| 2 | 3 | .04678191 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .77672      | .27893            |
| 1 3       | .52930      | .26423            |

TERMINO CONSTANTE= -146.1801

COEF. CORRELACION MULTIPLE R 1= .84463198

ERROR STAND. DE ESTIMACION S 1= 246.3893

| NANO | ESTIMACION |
|------|------------|
| 58   | 47.5       |
| 62   | 39.6       |
| 63   | 52.4       |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .53230      | .19116            |
| 2 3       | .03964      | .25526            |

TERMINO CONSTANTE= 169.0318

COEF. CORRELACION MULTIPLE R 2= .78083987

ERROR STAND. DE ESTIMACION S 2= 203.9706

NANO ESTIMACION  
49 17.1

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .50498      | .25208            |
| 3 2       | .05519      | .35535            |

TERMINO CONSTANTE= 194.6906

COEF. CORRELACION MULTIPLE R 3= .71585922

ERROR STAND. DE ESTIMACION S 3= 240.6617

NANO ESTIMACION

MES DE MAYO

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 865.2857 | DESV. TIPICA= | 427.1574 |
| MEDIA DE X 2= | 995.7142 | DESV. TIPICA= | 578.2575 |
| MEDIA DE X 3= | 836.7142 | DESV. TIPICA= | 291.1137 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .76244859 |
| 1 | 3 | .68593583 |
| 2 | 3 | .50198872 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .66437719  |
| 1 | 3 | .54179180  |
| 2 | 3 | -.04460627 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .41291      | .14005            |
| 1 3       | .59476      | .27820            |

TERMINO CONSTANTE= -43.5015

COEF. CORRELACION MULTIPLE R 1= .83918066

ERROR STAND. DE ESTIMACION S 1= 262.0818

| NANO | ESTIMACION |
|------|------------|
| 58   | 84.2       |
| 62   | 47.2       |
| 63   | 244.2      |



VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | 1.06898     | .36258            |
| 2 3       | -.07878     | .53203            |

TERMINO CONSTANTE= 136.6609

COEF. CORRELACION MULTIPLE R 2= .76299469

ERROR STAND. DE ESTIMACION S 2= 421.6902

| NANO | ESTIMACION |
|------|------------|
| 49   | 43.9       |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .49354      | .23085            |
| 3 2       | -.02525     | .17053            |

TERMINO CONSTANTE= 434.8062

COEF. CORRELACION MULTIPLE R 3= .68670336

ERROR STAND. DE ESTIMACION S 3= 238.7413

| NANO | ESTIMACION |
|------|------------|
|      |            |

MES DE JUNIO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1565.7647 | DESV. TIPICA= | 588.7081 |
| MEDIA DE X 2= | 1544.4117 | DESV. TIPICA= | 589.2837 |
| MEDIA DE X 3= | 1311.9411 | DESV. TIPICA= | 587.2080 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .83653140 |
| 1 | 3 | .85253914 |
| 2 | 3 | .67295891 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .67978569  |
| 1 | 3 | .71452960  |
| 2 | 3 | -.14043311 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .47987      | .13836            |
| 1 3       | .53064      | .13885            |

TERMINO CONSTANTE= 128.4742

COEF. CORRELACION MULTIPLE R 1= .92361270

ERROR STAND. DE ESTIMACION S 1= 248.6736

NANO ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .96298      | .27767            |
| 2 3       | -.14773     | .27837            |

TERMINO CONSTANTE= 230.4339

COEF. CORRELACION MULTIPLE R 2= .84006277

ERROR STAND. DE ESTIMACION S 2= 352.2702

| NANO | ESTIMACION |
|------|------------|
| 49   | 169.0      |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .96214      | .25177            |
| 3 2       | -.13348     | .25152            |

TERMINO CONSTANTE= 11.6121

COEF. CORRELACION MULTIPLE R 3= .85569295

ERROR STAND. DE ESTIMACION S 3= 334.8492

| NANO | ESTIMACION |
|------|------------|
|      |            |

MES DE JULIO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1353.3125 | DESV. TIPICA= | 506.8869 |
| MEDIA DE X 2= | 1274.5000 | DESV. TIPICA= | 389.6687 |
| MEDIA DE X 3= | 1140.1250 | DESV. TIPICA= | 541.9083 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .74010486 |
| 1 | 3 | .75160903 |
| 2 | 3 | .81309442 |

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .33589243 |
| 1 | 3 | .38273831 |
| 2 | 3 | .57898045 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .49508      | .38504            |
| 1 3       | .41357      | .27687            |

TERMINO CONSTANTE= 250.7996

COEF. CORRELACION MULTIPLE R 1= .78358402

ERROR STAND. DE ESTIMACION S 1= 349.3742

NANO ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .22788      | .17723            |
| 2 3       | .42445      | .16578            |

TERMINO CONSTANTE= 482.1632

COEF. CORRELACION MULTIPLE R 2= .83627505

ERROR STAND. DE ESTIMACION S 2= 237.0337

| NANO | ESTIMACION |
|------|------------|
| 49   | 71.9       |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .35420      | .23712            |
| 3 2       | .78975      | .30845            |

TERMINO CONSTANTE= -345.7672

COEF. CORRELACION MULTIPLE R 3= .84306834

ERROR STAND. DE ESTIMACION S 3= 323.3256

| NANO | ESTIMACION |
|------|------------|
| 57   | 44.0       |

MES DE AGOSTO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1201.8235 | DESV. TIPICA= | 475.2196 |
| MEDIA DE X 2= | 1105.3529 | DESV. TIPICA= | 403.7717 |
| MEDIA DE X 3= | 912.1176  | DESV. TIPICA= | 343.0638 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .43085818 |
| 1 | 3 | .72662449 |
| 2 | 3 | .64162098 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.06709925 |
| 1 | 3 | .65037955  |
| 2 | 3 | .52992290  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.07073     | .28111            |
| 1 3       | 1.05995     | .33086            |

TERMINO CONSTANTE= 313.2100

COEF. CORRELACION MULTIPLE R 1= .72808538

ERROR STAND. DE ESTIMACION S 1= 358.9662

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.06364     | .25294            |
| 2 3       | .81922      | .35038            |

TERMINO CONSTANTE= 434.6171

COEF. CORRELACION MULTIPLE R 2= .64368182

ERROR STAND. DE ESTIMACION S 2= 340.5055

| NANO | ESTIMACION |
|------|------------|
| 49   | 145.5      |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .39906      | .12456            |
| 3 2       | .34278      | .14661            |

TERMINO CONSTANTE= 53.6100

COEF. CORRELACION MULTIPLE R 3= .81273250

ERROR STAND. DE ESTIMACION S 3= 220.2589

| NANO | ESTIMACION |
|------|------------|
|      |            |

MES DE SEPTIEMBRE

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1108.8333 | DESV. TIPICA= | 387.7983 |
| MEDIA DE X 2= | 919.6666  | DESV. TIPICA= | 332.3503 |
| MEDIA DE X 3= | 901.2222  | DESV. TIPICA= | 348.3571 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .48205873 |
| 1 | 3 | .37588305 |
| 2 | 3 | .50439809 |

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .36551133 |
| 1 | 3 | .17545262 |
| 2 | 3 | .39808439 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .45770      | .30095            |
| 1 3       | .19818      | .28712            |

TERMINO CONSTANTE= 509.2896

COEF. CORRELACION MULTIPLE R 1= .50597502

ERROR STAND. DE ESTIMACION S 1= 366.4206

NANO ESTIMACION



VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .29188      | .19192            |
| 2 3       | .35908      | .21365            |

TERMINO CONSTANTE= 272.3980

COEF. CORRELACION MULTIPLE R 2= .59500098

ERROR STAND. DE ESTIMACION S 2= 292.6134

NANO ESTIMACION  
49 135.3

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .15532      | .22503            |
| 3 2       | .44132      | .26258            |

TERMINO CONSTANTE= 323.1196

COEF. CORRELACION MULTIPLE R 3= .52665849

ERROR STAND. DE ESTIMACION S 3= 324.3946

NANO ESTIMACION

MES DE OCTUBRE

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1229.1764 | DESV. TIPICA= | 632.7544 |
| MEDIA DE X 2= | 1093.1176 | DESV. TIPICA= | 535.8829 |
| MEDIA DE X 3= | 1181.1764 | DESV. TIPICA= | 517.1160 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .69967403 |
| 1 | 3 | .67974031 |
| 2 | 3 | .57528200 |

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .51444480 |
| 1 | 3 | .47438632 |
| 2 | 3 | .19023038 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .54468      | .24265            |
| 1 3       | .50702      | .25146            |

TERMINO CONSTANTE= 34.8842

COEF. CORRELACION MULTIPLE R 1= .77744327

ERROR STAND. DE ESTIMACION S 1= 438.5446

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 51   | 96.9       |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR | COEF. REGR. |
|-----------|-------------|-------|-------------|
| 2 1       | .48588      |       | .21645      |
| 2 3       | .19202      |       | .26486      |

TERMINO CONSTANTE= 269.0616

COEF. CORRELACION MULTIPLE R 2= .71275236

ERROR STAND. DE ESTIMACION S 2= 414.1960

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .44384      | .22012            |
| 3 2       | .18844      | .25992            |

TERMINO CONSTANTE= 429.6122

COEF. CORRELACION MULTIPLE R 3= .69391219

ERROR STAND. DE ESTIMACION S 3= 410.3145

NANO

ESTIMACION

MES DE NOVIEMBRE

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 879.7777 | DESV. TIPICA= | 328.4445 |
| MEDIA DE X 2= | 726.4444 | DESV. TIPICA= | 322.2404 |
| MEDIA DE X 3= | 757.1666 | DESV. TIPICA= | 397.8813 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .53969877 |
| 1 | 3 | .47510022 |
| 2 | 3 | .36047462 |

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .44889049 |
| 1 | 3 | .35727374 |
| 2 | 3 | .14047886 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .43161      | .22184            |
| 1 3       | .26617      | .17966            |

TERMINO CONSTANTE= 364.6907

COEF. CORRELACION MULTIPLE R 1= .61785084

ERROR STAND. DE ESTIMACION S 1= 282.9035

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 51   | 105.6      |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .46685      | .23995            |
| 2 3       | .10884      | .19808            |

TERMINO CONSTANTE= 233.2969

COEF. CORRELACION MULTIPLE R 2= .55250427

ERROR STAND. DE ESTIMACION S 2= 294.2263

NANO ESTIMACION

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .47954      | .32368            |
| 3 2       | .18129      | .32992            |

TERMINO CONSTANTE= 203.5717

COEF. CORRELACION MULTIPLE R 3= .49091761

ERROR STAND. DE ESTIMACION S 3= 379.7214

NANO ESTIMACION

MES DE DICIEMBRE

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 441.1176 | DESV. TIPICA= | 313.8420 |
| MEDIA DE X 2= | 579.7058 | DESV. TIPICA= | 423.9884 |
| MEDIA DE X 3= | 428.9411 | DESV. TIPICA= | 354.5252 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .80957967 |
| 1 | 3 | .96308669 |
| 2 | 3 | .86159856 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.14794062 |
| 1 | 3 | .89123872  |
| 2 | 3 | .51831519  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.05807     | .10376            |
| 1 3       | .91241      | .12409            |

TERMINO CONSTANTE= 83.4140

COEF. CORRELACION MULTIPLE R 1= .96390973

ERROR STAND. DE ESTIMACION S 1= 92.0719

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.37686     | .67332            |
| 2 3       | 1.35171     | .59605            |

TERMINO CONSTANTE= 166.1402

COEF. CORRELACION MULTIPLE R 2= .86486477

ERROR STAND. DE ESTIMACION S 2= 234.5429

| NANO | ESTIMACION |
|------|------------|
| 48   | 7.5        |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .87055      | .11839            |
| 3 2       | .19874      | .08764            |

TERMINO CONSTANTE= -70.2929

COEF. CORRELACION MULTIPLE R 3= .97314104

ERROR STAND. DE ESTIMACION S 3= 89.9355

| NANO | ESTIMACION |
|------|------------|
| 48   | 13.8       |
| 58   | 0.0        |



| *  | MACARAO |        |        | DTO.FEDERAL |        | INOS   |
|----|---------|--------|--------|-------------|--------|--------|
|    |         |        |        |             |        |        |
| 36 | 0.0     | 0.0    | 0.0    | 150.0       | 1510.0 | 1640.0 |
|    | 980.0   | 700.0  | 390.0  | 1190.0      | 1020.0 | 220.0  |
| 37 | 700.0   | 190.0  | .2     | 500.0       | 1230.0 | 1380.0 |
|    | 1000.0  | 720.0  | 1540.0 | 860.0       | 800.0  | 630.0  |
| 38 | 400.2   | 600.2  | 200.2  | 100.2       | 1600.2 | 500.2  |
|    | 1000.2  | 2300.2 | 1700.2 | 980.0       | 2000.0 | 750.0  |
| 39 | 0.0     | .2     | .2     | 0.0         | 140.0  | 1570.0 |
|    | 870.0   | 1330.0 | 940.0  | 2600.0      | 1800.0 | 960.0  |
| 40 | 0.0     | 150.0  | 210.0  | 1000.0      | 860.0  | 1730.0 |
|    | 1980.0  | 1370.0 | 690.0  | 1540.0      | 520.0  | 490.0  |
| 41 | 160.0   | 0.0    | 0.0    | 200.0       | 1070.0 | 1880.0 |
|    | 1600.0  | 1920.0 | 1300.0 | 1680.0      | 820.0  | 100.0  |
| 42 | 400.0   | 50.0   | 180.0  | 600.0       | 3360.0 | 2710.0 |
|    | 1190.0  | 340.0  | 1910.0 | 1160.0      | 1420.0 | 670.0  |
| 43 | 350.0   | 130.0  | 220.0  | 540.0       | 1200.0 | 900.0  |
|    | 1350.0  | 1060.0 | 1260.0 | 1610.0      | 450.0  | 240.0  |
| 44 | 210.0   | 0.0    | 30.0   | 180.0       | 1400.0 | 1500.0 |
|    | 1130.0  | 1430.0 | 1310.0 | 1390.0      | 2600.0 | 230.0  |
| 45 | .2      | .2     | .2     | 370.0       | 1490.0 | 1850.0 |
|    | 610.0   | 280.0  | 420.0  | 1280.0      | 340.0  | 40.0   |
| 46 | 50.2    | 50.2   | .2     | 600.2       | 1400.2 | 1300.2 |
|    | 1100.2  | 1400.2 | 1600.2 | 1500.2      | 500.2  | 700.2  |
| 47 | 800.0   | 0.0    | 0.0    | 370.0       | 420.0  | 1050.0 |
|    | 1180.0  | 980.0  | 920.0  | 480.0       | 90.0   | 130.0  |
| 48 | 110.0   | 0.0    | 300.0  | 220.0       | 600.0  | 1510.0 |
|    | 1510.0  | 1250.0 | 1030.0 | 300.0       | 500.2  | 200.2  |
| 49 | .2      | 260.0  | 240.0  | 30.0        | 250.0  | 1700.0 |
|    | 280.0   | 2040.0 | 790.0  | 1990.0      | 1100.0 | 650.0  |
| 50 | 440.0   | 140.0  | 80.0   | 460.0       | 1890.0 | 1900.0 |
|    | 590.0   | 1560.0 | 330.0  | 1540.0      | 1070.0 | 310.0  |
| 51 | 300.0   | 1730.0 | 130.0  | 870.0       | 1710.0 | 2280.0 |
|    | 1190.0  | 250.0  | 770.0  | 740.0       | 800.0  | 460.0  |
| 52 | 120.0   | 0.0    | 34.0   | 1076.0      | 1036.0 | 1148.0 |
|    | 1145.0  | 618.6  | 1460.0 | 398.0       | 822.0  | 206.0  |
| 53 | 747.0   | 86.0   | 4.0    | 399.0       | 324.6  | 357.0  |
|    | 564.0   | 283.0  | 930.0  | 860.0       | 152.6  | 335.0  |
| 54 | 117.0   | 256.0  | 2.0    | 745.0       | 272.0  | 522.0  |
|    | 770.0   | 179.0  | 475.0  | 2596.0      | 442.0  | 469.0  |
| 55 | 611.0   | 29.0   | 182.0  | 434.0       | 455.0  | 1746.0 |
|    | 1663.0  | 883.0  | 1420.0 | 2010.0      | 656.0  | 153.0  |
| 56 | 1002.0  | 316.0  | 251.0  | 6.0         | 833.0  | 728.0  |
|    | 862.0   | 962.0  | 987.0  | 1232.0      | 524.0  | 1718.0 |
| 57 | 118.0   | 10.0   | 0.0    | .6          | 796.0  | 1004.0 |
|    | 820.0   | 1048.0 | 677.0  | 1314.0      | 820.0  | 120.0  |
| 58 | 8.0     | 78.0   | 33.0   | 310.0       | 949.0  | 1763.0 |
|    | 1964.0  | 873.0  | 1260.0 | 384.0       | 239.0  | 22.0   |
| 59 | 13.0    | 4.0    | 0.0    | 114.0       | 1236.0 | 1015.0 |
|    | 762.0   | 998.0  | 610.0  | 639.0       | 366.0  | 74.0   |
| 60 | 30.0    | 13.0   | 8.0    | 576.0       | 809.0  | 1047.0 |
|    | 1348.0  | 1595.0 | 656.0  | 772.0       | 704.0  | 405.0  |
| 61 | 35.0    | 22.0   | 2.0    | 58.0        | 94.0   | 718.0  |
|    | 1809.0  | 1286.0 | 627.0  | 691.0       | 736.0  | 211.0  |
| 62 | 88.0    | 12.0   | 225.0  | 853.0       | 807.0  | 900.0  |
|    | 793.0   | 1370.0 | 630.0  | 768.0       | 238.0  | 198.0  |
| 63 | 98.0    | 0.0    | 183.0  | 410.0       | 1928.0 | 1563.0 |
|    | 1119.0  | 512.0  | 1779.0 | 678.0       | 658.0  | 127.0  |
| 64 | 0.0     | 0.0    | 2.0    | 220.0       | 414.0  | 1695.0 |

|    |        |        |        |        |       |        |
|----|--------|--------|--------|--------|-------|--------|
|    | 1821.0 | 1339.0 | 1406.0 | 956.0  | 0.0   | 2.0    |
| 65 | 735.0  | 232.0  | 2.0    | 158.0  | 883.0 | 1633.0 |
|    | 1203.0 | 1042.0 | 856.0  | 921.0  | 533.0 | 51.0   |
| 66 | 179.0  | 100.0  | 0.0    | 124.0  | 925.0 | 1931.0 |
|    | 1231.0 | 919.0  | 705.0  | 1123.0 | 531.0 | 689.0  |

|    | CARICUAO |        |        | DTO.FEDERAL |        | INOS   |
|----|----------|--------|--------|-------------|--------|--------|
| *  |          |        |        |             |        |        |
| 53 | .9       | .9     | .9     | 190.0       | 1260.0 | 780.0  |
|    | 1110.0   | 780.0  | 1450.0 | 640.0       | 760.0  | 780.0  |
| 54 | 160.0    | 240.0  | 70.0   | 1050.0      | 390.0  | 890.0  |
|    | 1160.0   | 630.0  | 760.0  | 1980.0      | 300.0  | 510.0  |
| 55 | 470.0    | 40.0   | 80.0   | 310.0       | 750.0  | 950.0  |
|    | 1420.0   | 640.0  | 1670.0 | 2210.0      | 590.0  | 130.0  |
| 55 | .9       | .9     | .9     | 310.0       | 750.0  | 950.0  |
|    | 1420.0   | 640.0  | 1670.0 | 2210.0      | 590.0  | 130.0  |
| 56 | 660.0    | 240.0  | 570.0  | .9          | .9     | .9     |
|    | .9       | .9     | .9     | .9          | .9     | .9     |
| 56 | 660.0    | 240.0  | 570.0  | 10.0        | 620.0  | 770.0  |
|    | 700.0    | .8     | 720.0  | 790.0       | 550.0  | 1170.0 |
| 57 | 510.0    | 20.0   | 0.0    | 380.0       | 710.0  | 1040.0 |
|    | 690.0    | 1060.0 | 740.0  | 710.0       | 1010.0 | 140.0  |
| 58 | 4.6      | 55.0   | 49.0   | 503.0       | 937.0  | 1200.0 |
|    | 1467.0   | 807.0  | 996.0  | 189.0       | 645.0  | 30.0   |
| 59 | 22.0     | 8.0    | 2.0    | 6.0         | 949.0  | 975.0  |
|    | 679.0    | 1286.0 | 950.0  | 542.0       | 361.0  | 80.0   |
| 60 | 24.0     | 39.0   | 0.0    | 1093.0      | 829.0  | 1417.0 |
|    | 892.0    | 1923.0 | 865.0  | 813.0       | 956.0  | 502.0  |
| 61 | 47.0     | 24.0   | 0.0    | 60.0        | 40.0   | 271.0  |
|    | 1949.0   | 850.0  | 723.0  | 391.0       | 736.0  | 169.0  |
| 62 | 32.0     | 32.0   | 166.0  | 266.0       | 888.0  | 1356.0 |
|    | 830.0    | 1463.0 | 777.0  | 817.0       | 506.0  | 612.0  |
| 63 | 161.0    | 55.0   | 136.0  | 375.0       | 1877.0 | 2202.0 |
|    | 1361.0   | 666.0  | 2349.0 | 840.0       | 610.0  | 158.0  |
| 64 | 18.0     | 8.0    | 12.0   | 95.0        | 512.0  | 1365.0 |
|    | 1806.0   | 886.0  | 794.0  | 1055.0      | 423.0  | 277.0  |
| 65 | 386.0    | 356.0  | 0.0    | 36.0        | 686.0  | 1879.0 |
|    | 1309.0   | 1269.0 | 1041.0 | 893.0       | 608.0  | 76.0   |
| 66 | 141.0    | 90.0   | 0.0    | 297.0       | 982.0  | 2668.0 |
|    | 1255.0   | 629.0  | 609.0  | 1166.0      | 997.0  | 788.0  |

|    | HDA.MONTALBAN |        |        | DTO.FEDERAL |        | INOS   |
|----|---------------|--------|--------|-------------|--------|--------|
| *  |               |        |        |             |        |        |
| 58 | .9            | .9     | .9     | .9          | .9     | .9     |
|    | .9            | .9     | .9     | 372.6       | 396.0  | 57.0   |
| 59 | 17.0          | 6.0    | 2.0    | 16.0        | 1402.0 | 815.0  |
|    | 959.0         | 915.0  | 1032.0 | 1232.0      | 933.0  | 199.0  |
| 60 | 175.0         | 71.0   | 168.0  | 911.0       | 547.0  | 998.0  |
|    | 1137.0        | 1474.0 | 788.0  | 642.0       | 1252.0 | 615.0  |
| 61 | 32.0          | 22.0   | 196.0  | 29.0        | 29.0   | 598.0  |
|    | 1918.0        | 535.0  | 1218.0 | 391.0       | 1218.0 | 328.0  |
| 62 | 145.0         | 42.0   | 244.0  | 223.0       | 1032.0 | 1459.0 |
|    | 810.0         | 1324.0 | 423.0  | 303.0       | 680.0  | 229.0  |
| 63 | 170.0         | 0.0    | 230.0  | 542.0       | 2094.0 | 1626.0 |
|    | 1372.0        | 584.0  | 1333.0 | 1456.0      | 836.0  | 278.0  |
| 64 | 17.0          | 3.0    | 11.0   | 91.0        | 1347.0 | 1592.0 |
|    | 1578.0        | 1188.0 | 1118.0 | 1182.0      | 151.0  | 114.0  |
| 66 | 91.0          | 115.0  | 0.0    | 450.0       | 904.0  | 2435.4 |
|    | 1293.5        | 817.0  | 834.0  | 1623.0      | 615.0  | 568.0  |

MES DE ENERO

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 189.1666 | DESV. TIPICA= | 250.3779 |
| MEDIA DE X 2= | 50.6666  | DESV. TIPICA= | 50.2250  |
| MEDIA DE X 3= | 92.6666  | DESV. TIPICA= | 71.4485  |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .94813689 |
| 1 | 3 | .39080832 |
| 2 | 3 | .47481863 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .94134171  |
| 1 | 3 | -.21228136 |
| 2 | 3 | .35640728  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | 4.90805     | 1.01582           |
| 1 3       | -.26867     | .71407            |

TERMINO CONSTANTE= -34.6109

COEF. CORRELACION MULTIPLE R 1= .95053490

ERROR STAND. DE ESTIMACION S 1= 109.9860

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 64   | 185.5      |
| 66   | 65.7       |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .18054      | .03736            |
| 2 3       | .08651      | .13094            |

TERMINO CONSTANTE= 8.4963

COEF. CORRELACION MULTIPLE R 2= .95488105

ERROR STAND. DE ESTIMACION S 2= 21.0947

| NANO | ESTIMACION |
|------|------------|
| 36   | .8         |
| 37   | 13.4       |
| 38   | 8.0        |
| 39   | .8         |
| 40   | .8         |
| 41   | 3.7        |
| 42   | 8.0        |
| 43   | 7.1        |
| 44   | 4.6        |
| 45   | .8         |
| 46   | 1.7        |
| 47   | 15.2       |
| 48   | 2.8        |
| 49   | .8         |
| 50   | 8.7        |
| 51   | 6.2        |
| 52   | 3.0        |
| 53   | 14.3       |
| 55   | 18.9       |
| 58   | 1.3        |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | -.16772     | .44576            |
| 3 2       | 1.46821     | 2.22220           |

TERMINO CONSTANTE= 50.0045

COEF. CORRELACION MULTIPLE R 3= .51025136

ERROR STAND. DE ESTIMACION S 3= 86.8999

| NANO | ESTIMACION |
|------|------------|
| 36   | 5.0        |
| 37   | 0.0        |
| 38   | 0.0        |
| 39   | 5.0        |
| 40   | 5.0        |
| 41   | 2.3        |
| 42   | 0.0        |
| 43   | 0.0        |
| 44   | 1.4        |
| 45   | 5.0        |
| 46   | 4.1        |
| 47   | 0.0        |
| 48   | 3.1        |
| 49   | 5.0        |
| 50   | 0.0        |
| 51   | 0.0        |
| 52   | 2.9        |
| 53   | 0.0        |
| 54   | 26.5       |
| 55   | 63.7       |
| 55   | 0.0        |
| 56   | 99.9       |
| 56   | 101.7      |
| 57   | 79.6       |
| 58   | 4.4        |
| 66   | 25.7       |

MES DE FEBRERO

|               |         |               |         |
|---------------|---------|---------------|---------|
| MEDIA DE X 1= | 61.0000 | DESV. TIPICA= | 83.7914 |
| MEDIA DE X 2= | 27.6666 | DESV. TIPICA= | 16.7398 |
| MEDIA DE X 3= | 24.0000 | DESV. TIPICA= | 25.4230 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |            |
|---|---|------------|
| 1 | 2 | .48455736  |
| 1 | 3 | -.58678938 |
| 2 | 3 | .28549382  |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .84027011  |
| 1 | 3 | -.86494349 |
| 2 | 3 | .80446830  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | 3.55364     | 1.32381           |
| 1 3       | -2.60201    | .87166            |

TERMINO CONSTANTE= 25.1307

COEF. CORRELACION MULTIPLE R 1= .89847978

ERROR STAND. DE ESTIMACION S 1= 52.0228

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 6'   | 128.2      |
| 66   | 34.4       |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .19868      | .07401            |
| 2 3       | .57223      | .24394            |

TERMINO CONSTANTE= 1.8132

COEF. CORRELACION MULTIPLE R 2= .85440765

ERROR STAND. DE ESTIMACION S 2= 12.3009

| NANO | ESTIMACION |
|------|------------|
| 36   | .1         |
| 37   | 3.9        |
| 38   | 12.1       |
| 39   | .1         |
| 40   | 3.1        |
| 41   | .1         |
| 42   | 1.1        |
| 43   | 2.7        |
| 44   | .1         |
| 45   | .1         |
| 46   | 1.1        |
| 47   | .1         |
| 48   | .1         |
| 49   | 5.3        |
| 50   | 2.9        |
| 51   | 34.5       |
| 52   | .1         |
| 53   | 1.8        |
| 55   | 6.4        |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | -.28751     | .09631            |
| 3 2       | 1.13094     | .48212            |

TERMINO CONSTANTE= 10.2490

COEF. CORRELACION MULTIPLE R 3= .87673061

ERROR STAND. DE ESTIMACION S 3= 17.2930

| NANO | ESTIMACION |
|------|------------|
| 36   | 1.0        |
| 37   | 0.0        |
| 38   | 0.0        |
| 39   | 1.0        |
| 40   | 0.0        |
| 41   | 1.0        |
| 42   | 0.0        |
| 43   | 0.0        |
| 44   | 1.0        |
| 45   | 1.0        |
| 46   | 0.0        |
| 47   | 1.0        |
| 48   | 1.0        |
| 49   | 0.0        |
| 50   | 0.0        |
| 51   | 0.0        |
| 52   | 1.0        |
| 53   | 0.0        |
| 54   | 20.8       |
| 55   | 4.7        |
| 55   | 0.0        |
| 56   | 27.8       |
| 56   | 25.9       |
| 57   | 3.1        |
| 58   | 6.8        |
| 66   | 11.2       |



MES DE MARZO

|               |          |               |         |
|---------------|----------|---------------|---------|
| MEDIA DE X 1= | 69.0000  | DESV. TIPICA= | 96.2288 |
| MEDIA DE X 2= | 52.6666  | DESV. TIPICA= | 70.1870 |
| MEDIA DE X 3= | 141.8333 | DESV. TIPICA= | 98.7427 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |            |
|---|---|------------|
| 1 | 2 | -.52304634 |
| 1 | 3 | .27890884  |
| 2 | 3 | .65172791  |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.96768531 |
| 1 | 3 | .95878946  |
| 2 | 3 | .97449844  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -1.67984    | .25272            |
| 1 3       | 1.05000     | .17964            |

TERMINO CONSTANTE= 8.5467

COEF. CORRELACION MULTIPLE R 1= .97023768

ERROR STAND. DE ESTIMACION S 1= 32.9543

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 64   | 2.0        |
| 66   | .8         |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.55744     | .08386            |
| 2 3       | .61476      | .08173            |

TERMINO CONSTANTE= 3.9352

COEF. CORRELACION MULTIPLE R 2= .98154093

ERROR STAND. DE ESTIMACION S 2= 18.9835

| NANO | ESTIMACION |
|------|------------|
| 36   | .3         |
| 37   | .3         |
| 38   | 0.0        |
| 39   | .3         |
| 40   | 0.0        |
| 41   | .3         |
| 42   | 0.0        |
| 43   | 0.0        |
| 44   | 0.0        |
| 45   | .3         |
| 46   | .3         |
| 47   | .3         |
| 48   | 0.0        |
| 49   | 0.0        |
| 50   | 0.0        |
| 51   | 0.0        |
| 52   | 0.0        |
| 53   | .1         |
| 55   | 0.0        |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .87550      | .14978            |
| 3 2       | 1.54472     | .20536            |

TERMINO CONSTANTE= .0684

COEF. CORRELACION MULTIPLE R 3= .97650610

ERROR STAND. DE ESTIMACION S 3= 30.0917

| NANO | ESTIMACION |
|------|------------|
| 36   | 0.0        |
| 37   | 0.0        |
| 38   | 17.5       |
| 39   | 0.0        |
| 40   | 18.3       |
| 41   | 0.0        |
| 42   | 15.7       |
| 43   | 19.2       |
| 44   | 2.6        |
| 45   | 0.0        |
| 46   | 0.0        |
| 47   | 0.0        |
| 48   | 26.2       |
| 49   | 21.0       |
| 50   | 7.0        |
| 51   | 11.3       |
| 52   | 2.9        |
| 53   | .3         |
| 54   | 10.9       |
| 55   | 28.2       |
| 55   | 21.9       |
| 56   | 88.0       |
| 56   | 90.9       |
| 57   | 0.0        |
| 58   | 8.2        |
| 66   | 0.0        |

MES DE ABRIL

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 303.8333 | DESV. TIPICA= | 268.9252 |
| MEDIA DE X 2= | 315.8333 | DESV. TIPICA= | 369.7266 |
| MEDIA DE X 3= | 302.0000 | DESV. TIPICA= | 325.4658 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .85666426 |
| 1 | 3 | .73375351 |
| 2 | 3 | .96465604 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .83137377  |
| 1 | 3 | -.68142835 |
| 2 | 3 | .95886500  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | 1.55912     | .60169            |
| 1 3       | -1.10227    | .68352            |

TERMINO CONSTANTE= 144.2952

COEF. CORRELACION MULTIPLE R 1= .92598487

ERROR STAND. DE ESTIMACION S 1= 143.5930

| NANO | ESTIMACION |
|------|------------|
| 56   | 14.4       |
| 64   | 10.0       |
| 66   | 60.7       |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .44331      | .17108            |
| 2 3       | .82706      | .14136            |

TERMINO CONSTANTE= -68.6345

COEF. CORRELACION MULTIPLE R 2= .98921994

ERROR STAND. DE ESTIMACION S 2= 76.5680

| NANO | ESTIMACION |
|------|------------|
| 36   | 0.0        |
| 37   | 15.3       |
| 38   | 0.0        |
| 39   | 0.0        |
| 40   | 37.4       |
| 41   | 2.0        |
| 42   | 19.7       |
| 43   | 17.0       |
| 44   | 1.1        |
| 45   | 9.5        |
| 46   | 19.7       |
| 47   | 9.5        |
| 48   | 2.8        |
| 49   | 0.0        |
| 50   | 13.5       |
| 51   | 31.7       |
| 52   | 40.8       |
| 56   | 0.0        |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | -.42126     | .26122            |
| 3 2       | 1.11166     | .19000            |

TERMINO CONSTANTE= 78.8922

COEF. CORRELACION MULTIPLE R 3= .98122615

ERROR STAND. DE ESTIMACION S 3= 88.7695

| NANO | ESTIMACION |
|------|------------|
| 36   | 1.5        |
| 37   | 0.0        |
| 38   | 3.6        |
| 39   | 7.8        |
| 40   | 0.0        |
| 41   | 0.0        |
| 42   | 0.0        |
| 43   | 0.0        |
| 44   | .3         |
| 45   | 0.0        |
| 46   | 0.0        |
| 47   | 0.0        |
| 48   | 0.0        |
| 49   | 6.6        |
| 50   | 0.0        |
| 51   | 0.0        |
| 52   | 0.0        |
| 53   | 12.2       |
| 54   | 93.2       |
| 55   | 24.0       |
| 55   | 42.0       |
| 56   | 7.8        |
| 56   | 0.0        |
| 57   | 45.3       |
| 58   | 39.5       |
| 66   | 40.9       |

MES DE MAYO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 841.8333  | DESV. TIPICA= | 567.4326 |
| MEDIA DE X 2= | 849.1666  | DESV. TIPICA= | 553.2863 |
| MEDIA DE X 3= | 1075.1666 | DESV. TIPICA= | 657.5234 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |            |
|---|---|------------|
| 1 | 2 | -.50707675 |
| 1 | 3 | -.57147852 |
| 2 | 3 | .84463578  |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.05550868 |
| 1 | 3 | -.31031616 |
| 2 | 3 | .78447578  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.08726     | .90624            |
| 1 3       | -.43115     | .76257            |

TERMINO CONSTANTE= 1379.4990

COEF. CORRELACION MULTIPLE R 1= .57329105

ERROR STAND. DE ESTIMACION S 1= 657.5060

| NANO | ESTIMACION |
|------|------------|
| 53   | 126.9      |
| 64   | 73.8       |
| 66   | 129.3      |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.03530     | .36668            |
| 2 3       | .69332      | .31644            |

TERMINO CONSTANTE= 133.4542

COEF. CORRELACION MULTIPLE R 2= .84515836

ERROR STAND. DE ESTIMACION S 2= .418.2400

| NANO | ESTIMACION |
|------|------------|
| 36   | 8.0        |
| 37   | 9.0        |
| 38   | 7.6        |
| 39   | 12.8       |
| 40   | 10.3       |
| 41   | 9.5        |
| 42   | 1.4        |
| 43   | 9.1        |
| 44   | 8.4        |
| 45   | 8.0        |
| 46   | 8.4        |
| 47   | 11.8       |
| 48   | 11.2       |
| 49   | 12.4       |
| 50   | 6.6        |
| 51   | 7.3        |
| 52   | 9.6        |
| 56   | 10.5       |



VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | -.22334     | .39502            |
| 3 2       | .88761      | .40512            |

TERMINO CONSTANTE= 509.4532

COEF. CORRELACION MULTIPLE R 3= .86081772

ERROR STAND. DE ESTIMACION S 3= 473.2276

| NANO | ESTIMACION |
|------|------------|
| 36   | 17.2       |
| 37   | 23.4       |
| 38   | 15.2       |
| 39   | 47.8       |
| 40   | 31.7       |
| 41   | 27.0       |
| 42   | 0.0        |
| 43   | 24.1       |
| 44   | 19.6       |
| 45   | 17.6       |
| 46   | 19.6       |
| 47   | 41.5       |
| 48   | 37.5       |
| 49   | 45.3       |
| 50   | 8.7        |
| 51   | 12.7       |
| 52   | 27.8       |
| 53   | 162.7      |
| 54   | 79.4       |
| 55   | 107.3      |
| 55   | 98.9       |
| 56   | 33.1       |
| 56   | 84.7       |
| 57   | 86.3       |
| 58   | 116.0      |
| 66   | 138.1      |

MES DE JUNIO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1406.6666 | DESV. TIPICA= | 440.5869 |
| MEDIA DE X 2= | 1264.3333 | DESV. TIPICA= | 576.1202 |
| MEDIA DE X 3= | 1181.3333 | DESV. TIPICA= | 398.2384 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .16943726 |
| 1 | 3 | .61743466 |
| 2 | 3 | .82899223 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.77833762 |
| 1 | 3 | .86537589  |
| 2 | 3 | .93437898  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.83721     | .38990            |
| 1 3       | 1.68715     | .56407            |

TERMINO CONSTANTE= 472.1018

COEF. CORRELACION MULTIPLE R 1= .86953146

ERROR STAND. DE ESTIMACION S 1= 307.7272

| NANO | ESTIMACION |
|------|------------|
| 64   | 158.4      |
| 66   | 0.0        |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.72359     | .33699            |
| 2 3       | 1.69356     | .37282            |

TERMINO CONSTANTE= 281.5310

COEF. CORRELACION MULTIPLE R 2= .93632701

ERROR STAND. DE ESTIMACION S 2= 286.0850

| NANO | ESTIMACION |
|------|------------|
| 36   | 0.0        |
| 37   | 0.0        |
| 38   | 0.0        |
| 39   | 0.0        |
| 40   | 0.0        |
| 41   | 0.0        |
| 42   | 0.0        |
| 43   | 0.0        |
| 44   | 0.0        |
| 45   | 0.0        |
| 46   | 0.0        |
| 47   | 0.0        |
| 48   | 0.0        |
| 49   | 0.0        |
| 50   | 0.0        |
| 51   | 0.0        |
| 52   | 0.0        |
| 56   | 0.0        |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .44386      | .14840            |
| 3 2       | .51551      | .11348            |

TERMINO CONSTANTE= -94.8312

COEF. CORRELACION MULTIPLE R 3= .95992463

ERROR STAND. DE ESTIMACION S 3= 157.8398

| NANO | ESTIMACION |
|------|------------|
| 36   | 63.3       |
| 37   | 51.7       |
| 38   | 12.7       |
| 39   | 60.2       |
| 40   | 67.3       |
| 41   | 73.9       |
| 42   | 110.8      |
| 43   | 30.4       |
| 44   | 57.0       |
| 45   | 72.6       |
| 46   | 48.2       |
| 47   | 37.1       |
| 48   | 57.5       |
| 49   | 65.9       |
| 50   | 74.8       |
| 51   | 91.7       |
| 52   | 41.4       |
| 53   | 46.5       |
| 54   | 59.5       |
| 55   | 116.9      |
| 55   | 71.8       |
| 56   | 35.0       |
| 56   | 108.4      |
| 57   | 89.1       |
| 58   | 98.8       |
| 66   | 128.0      |

MES DE JULIO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1329.3333 | DESV. TIPICA= | 371.7838 |
| MEDIA DE X 2= | 1252.8333 | DESV. TIPICA= | 490.0025 |
| MEDIA DE X 3= | 1295.6666 | DESV. TIPICA= | 375.7723 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |            |
|---|---|------------|
| 1 | 2 | -.46118806 |
| 1 | 3 | -.57678145 |
| 2 | 3 | .95356902  |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .36098531  |
| 1 | 3 | -.51268688 |
| 2 | 3 | .94857912  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .74290      | 1.10806           |
| 1 3       | -1.49441    | 1.44489           |

TERMINO CONSTANTE= 2334.8646

COEF. CORRELACION MULTIPLE R 1= .64779317

ERROR STAND. DE ESTIMACION S 1= 400.5490

| NANO | ESTIMACION |
|------|------------|
| 64   | 94.9       |
| 66   | 326.7      |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR | COEF. REGR. |
|-----------|-------------|-------|-------------|
| 2 1       | .17540      |       | .26162      |
| 2 3       | 1.34353     |       | .25884      |

TERMINO CONSTANTE= -721.1212

COEF. CORRELACION MULTIPLE R 2= .95974675

ERROR STAND. DE ESTIMACION S 2= 194.6317

| NANO | ESTIMACION |
|------|------------|
| 36   | 0.0        |
| 37   | 0.0        |
| 38   | 0.0        |
| 39   | 0.0        |
| 40   | 0.0        |
| 41   | 0.0        |
| 42   | 0.0        |
| 43   | 0.0        |
| 44   | 0.0        |
| 45   | 0.0        |
| 46   | 0.0        |
| 47   | 0.0        |
| 48   | 0.0        |
| 49   | 0.0        |
| 50   | 0.0        |
| 51   | 0.0        |
| 52   | 0.0        |
| 56   | 0.0        |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR | COEF. REGR. |
|-----------|-------------|-------|-------------|
| 3 1       | -.17588     |       | .17005      |
| 3 2       | .66972      |       | .12903      |

TERMINO CONSTANTE= 690.4249

COEF. CORRELACION MULTIPLE R 3= .96598954

ERROR STAND. DE ESTIMACION S 3= 137.4158

| NANO | ESTIMACION |
|------|------------|
| 36   | 51.8       |
| 37   | 51.4       |
| 38   | 51.4       |
| 39   | 53.7       |
| 40   | 34.2       |
| 41   | 40.9       |
| 42   | 48.1       |
| 43   | 45.2       |
| 44   | 49.1       |
| 45   | 58.3       |
| 46   | 49.6       |
| 47   | 48.2       |
| 48   | 42.4       |
| 49   | 64.1       |
| 50   | 58.6       |
| 51   | 48.1       |
| 52   | 48.9       |
| 53   | 133.4      |
| 54   | 133.1      |
| 55   | 134.8      |
| 55   | 148.9      |
| 56   | 54.6       |
| 56   | 81.3       |
| 57   | 101.8      |
| 58   | 143.5      |
| 66   | 153.0      |

MES DE AGOSTO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1078.0000 | DESV. TIPICA= | 300.9933 |
| MEDIA DE X 2= | 1179.0000 | DESV. TIPICA= | 428.7384 |
| MEDIA DE X 3= | 1003.3333 | DESV. TIPICA= | 356.2385 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .72957285 |
| 1 | 3 | .70500377 |
| 2 | 3 | .81502276 |

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .37713861 |
| 1 | 3 | .27855853 |
| 2 | 3 | .61990662 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .32406      | .45947            |
| 1 3       | .27779      | .55298            |

TERMINO CONSTANTE= 417.2012

COEF. CORRELACION MULTIPLE R 1= .75403546

ERROR STAND. DE ESTIMACION S 1= 279.5936

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 64   | 115.8      |
| 66   | 62.1       |



VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .43890      | .62228            |
| 2 3       | .71945      | .52578            |

TERMINO CONSTANTE= -15.9841

COEF. CORRELACION MULTIPLE R 2= .84380998

ERROR STAND. DE ESTIMACION S 2= 325.3809

| NANO | ESTIMACION |
|------|------------|
| 36   | 29.1       |
| 37   | 30.0       |
| 38   | 99.3       |
| 39   | 56.7       |
| 40   | 58.5       |
| 41   | 82.6       |
| 42   | 13.3       |
| 43   | 44.9       |
| 44   | 61.1       |
| 45   | 10.6       |
| 46   | 59.8       |
| 47   | 41.4       |
| 48   | 53.2       |
| 49   | 87.9       |
| 50   | 66.8       |
| 51   | 9.3        |
| 56   | 44.3       |
| 56   | 36.7       |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .27932      | .55601            |
| 3 2       | .53413      | .39035            |

TERMINO CONSTANTE= 72.4783

COEF. CORRELACION MULTIPLE R 3= .83085115

ERROR STAND. DE ESTIMACION S 3= 280.3605

| NANO | ESTIMACION |
|------|------------|
| 36   | 26.8       |
| 37   | 27.3       |
| 38   | 71.4       |
| 39   | 44.3       |
| 40   | 45.5       |
| 41   | 60.8       |
| 42   | 16.7       |
| 43   | 36.8       |
| 44   | 47.1       |
| 45   | 15.0       |
| 46   | 46.3       |
| 47   | 34.6       |
| 48   | 42.1       |
| 49   | 64.2       |
| 50   | 50.8       |
| 51   | 14.2       |
| 53   | 56.8       |
| 54   | 45.8       |
| 55   | 66.0       |
| 55   | 68.3       |
| 56   | 36.5       |
| 56   | 31.6       |
| 57   | 91.7       |
| 58   | 94.9       |
| 66   | 40.8       |

MES DE SEPTIEMBRE

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1000.5000 | DESV. TIPICA= | 438.8366 |
| MEDIA DE X 2= | 1076.3333 | DESV. TIPICA= | 573.6519 |
| MEDIA DE X 3= | 985.3333  | DESV. TIPICA= | 302.7494 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |            |
|---|---|------------|
| 1 | 2 | -.24591295 |
| 1 | 3 | -.10117854 |
| 2 | 3 | .50567438  |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.22690224 |
| 1 | 3 | .02771161  |
| 2 | 3 | .49858384  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.20016     | .49603            |
| 1 3       | .04512      | .93988            |

TERMINO CONSTANTE= 1171.4756

COEF. CORRELACION MULTIPLE R 1= .24737557

ERROR STAND. DE ESTIMACION S 1= 601.3199

| NANO | ESTIMACION |
|------|------------|
| 64   | 101.3      |
| 66   | 104.9      |

# VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.25721     | .63740            |
| 2 3       | .92043      | .92391            |

TERMINO CONSTANTE= 426.7401

COEF. CORRELACION MULTIPLE R 2= .54224187

ERROR STAND. DE ESTIMACION S 2= 681.6442

| NANO | ESTIMACION |
|------|------------|
| 36   | 32.6       |
| 37   | 3.0        |
| 38   | 0.0        |
| 39   | 18.4       |
| 40   | 24.9       |
| 41   | 9.2        |
| 42   | 0.0        |
| 43   | 10.2       |
| 44   | 8.9        |
| 45   | 31.8       |
| 46   | 1.5        |
| 47   | 19.0       |
| 48   | 16.1       |
| 49   | 22.3       |
| 50   | 34.1       |
| 51   | 22.8       |
| 52   | 5.1        |
| 56   | 25.2       |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .01701      | .35438            |
| 3 2       | .27007      | .27109            |

TERMINO CONSTANTE= 677.6182

COEF. CORRELACION MULTIPLE R 3= .50623922

ERROR STAND. DE ESTIMACION S 3= 369.2356

| NANO | ESTIMACION |
|------|------------|
| 36   | 68.4       |
| 37   | 70.3       |
| 38   | 70.6       |
| 39   | 69.3       |
| 40   | 68.9       |
| 41   | 69.9       |
| 42   | 71.0       |
| 43   | 69.9       |
| 44   | 69.9       |
| 45   | 68.4       |
| 46   | 70.4       |
| 47   | 69.3       |
| 48   | 69.5       |
| 49   | 69.1       |
| 50   | 68.3       |
| 51   | 69.0       |
| 52   | 70.2       |
| 53   | 108.5      |
| 54   | 89.0       |
| 55   | 115.2      |
| 55   | 114.5      |
| 56   | 68.9       |
| 56   | 89.3       |
| 57   | 88.7       |
| 58   | 95.7       |
| 66   | 84.2       |

MES DE OCTUBRE

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 856.1666 | DESV. TIPICA= | 159.2518 |
| MEDIA DE X 2= | 743.0000 | DESV. TIPICA= | 216.5771 |
| MEDIA DE X 3= | 867.6666 | DESV. TIPICA= | 442.4675 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .90204093 |
| 1 | 3 | .26087246 |
| 2 | 3 | .33412860 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .89557552  |
| 1 | 3 | -.09960909 |
| 2 | 3 | .23712513  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .67448      | .19345            |
| 1 3       | -.01641     | .09469            |

TERMINO CONSTANTE= 369.2669

COEF. CORRELACION MULTIPLE R 1= .90306507

ERROR STAND. DE ESTIMACION S 1= 96.7311

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 64   | 95.2       |
| 66   | 115.5      |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | 1.18912     | .34106            |
| 2 3       | .05189      | .12275            |

TERMINO CONSTANTE= -320.1229

COEF. CORRELACION MULTIPLE R 2= .90782951

ERROR STAND. DE ESTIMACION S 2= 128.4379

| NANO | ESTIMACION |
|------|------------|
| 36   | 109.4      |
| 37   | 70.2       |
| 38   | 84.5       |
| 39   | 277.1      |
| 40   | 151.1      |
| 41   | 167.7      |
| 42   | 105.9      |
| 43   | 159.4      |
| 44   | 133.2      |
| 45   | 120.1      |
| 46   | 146.3      |
| 47   | 25.0       |
| 48   | 3.6        |
| 49   | 204.6      |
| 50   | 151.1      |
| 51   | 55.9       |
| 52   | 15.3       |
| 56   | 124.2      |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | -.60430     | 3.48524           |
| 3 2       | 1.08345     | 2.56274           |

TERMINO CONSTANTE= 580.0500

COEF. CORRELACION MULTIPLE R 3= .34706798

ERROR STAND. DE ESTIMACION S 3= 586.8474

| NANO | ESTIMACION |
|------|------------|
| 36   | 0.0        |
| 37   | 6.0        |
| 38   | 0.0        |
| 39   | 0.0        |
| 40   | 0.0        |
| 41   | 0.0        |
| 42   | 0.0        |
| 43   | 0.0        |
| 44   | 0.0        |
| 45   | 0.0        |
| 46   | 0.0        |
| 47   | 28.9       |
| 48   | 39.8       |
| 49   | 0.0        |
| 50   | 0.0        |
| 51   | 13.2       |
| 52   | 33.9       |
| 53   | 75.3       |
| 54   | 115.6      |
| 55   | 175.9      |
| 55   | 222.9      |
| 56   | 0.0        |
| 56   | 120.3      |
| 57   | 96.3       |
| 58   | 31.8       |
| 66   | 184.3      |



MES DE NOVIEMBRE

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 485.7142 | DESV. TIPICA= | 251.1520 |
| MEDIA DE X 2= | 605.2857 | DESV. TIPICA= | 186.8717 |
| MEDIA DE X 3= | 780.8571 | DESV. TIPICA= | 376.8790 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |            |
|---|---|------------|
| 1 | 2 | -.23326887 |
| 1 | 3 | -.09697472 |
| 2 | 3 | .59841058  |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.21975822 |
| 1 | 3 | .05469974  |
| 2 | 3 | .59492876  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.36690     | .81438            |
| 1 3       | .04424      | .40380            |

TERMINO CONSTANTE= 673.2486

COEF. CORRELACION MULTIPLE R 1= .23925638

ERROR STAND. DE ESTIMACION S 1= 322.5933

| NANO | ESTIMACION |
|------|------------|
| 53   | 39.4       |
| 64   | 45.6       |
| 66   | 30.7       |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.13162     | .29215            |
| 2 3       | .28820      | .19469            |

TERMINO CONSTANTE= 444.1672

COEF. CORRELACION MULTIPLE R 2= .62377493

ERROR STAND. DE ESTIMACION S 2= 193.2188

| NANO | ESTIMACION |
|------|------------|
| 36   | 30.9       |
| 37   | 33.8       |
| 38   | 18.0       |
| 39   | 20.7       |
| 40   | 37.5       |
| 41   | 33.6       |
| 42   | 25.7       |
| 43   | 38.4       |
| 44   | 10.1       |
| 45   | 39.9       |
| 46   | 37.8       |
| 47   | 43.2       |
| 48   | 37.8       |
| 49   | 29.9       |
| 50   | 30.3       |
| 51   | 33.8       |
| 52   | 33.5       |
| 56   | 33.6       |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .06762      | .61726            |
| 3 2       | 1.22806     | .82958            |

TERMINO CONSTANTE= 4.6788

COEF. CORRELACION MULTIPLE R 3= .60001320

ERROR STAND. DE ESTIMACION S 3= 398.8463

| NANO | ESTIMACION |
|------|------------|
| 36   | 7.3        |
| 37   | 5.8        |
| 38   | 13.9       |
| 39   | 12.6       |
| 40   | 3.9        |
| 41   | 6.0        |
| 42   | 10.0       |
| 43   | 3.5        |
| 44   | 18.0       |
| 45   | 2.7        |
| 46   | 3.8        |
| 47   | 1.0        |
| 48   | 3.8        |
| 49   | 7.9        |
| 50   | 7.7        |
| 51   | 5.8        |
| 52   | 6.0        |
| 53   | 93.8       |
| 54   | 40.2       |
| 55   | 77.3       |
| 55   | 76.4       |
| 56   | 6.0        |
| 56   | 69.6       |
| 57   | 126.9      |
| 66   | 122.9      |

MES DE DICIEMBRE

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 240.4285 | DESV. TIPICA= | 219.2727 |
| MEDIA DE X 2= | 261.1428 | DESV. TIPICA= | 202.3903 |
| MEDIA DE X 3= | 260.0000 | DESV. TIPICA= | 168.2600 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |            |
|---|---|------------|
| 1 | 2 | -.28803868 |
| 1 | 3 | -.44875818 |
| 2 | 3 | .51246887  |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.07566485 |
| 1 | 3 | -.36621991 |
| 2 | 3 | .44778979  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.08531     | .56213            |
| 1 3       | -.53222     | .67616            |

TERMINO CONSTANTE= 401.0854

COEF. CORRELACION MULTIPLE R 1= .45382388

ERROR STAND. DE ESTIMACION S 1= 258.4793

| NANO | ESTIMACION |
|------|------------|
| 64   | 33.3       |
| 66   | 33.3       |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.06710     | .44218            |
| 2 3       | .57717      | .57624            |

TERMINO CONSTANTE= 127.2123

COEF. CORRELACION MULTIPLE R 2= .51657133

ERROR STAND. DE ESTIMACION S 2= 229.2484

| NANO | ESTIMACION |
|------|------------|
| 36   | 11.2       |
| 37   | 8.4        |
| 38   | 7.6        |
| 39   | 6.2        |
| 40   | 9.4        |
| 41   | 12.0       |
| 42   | 8.2        |
| 43   | 11.1       |
| 44   | 11.1       |
| 45   | 12.4       |
| 46   | 8.0        |
| 47   | 11.8       |
| 48   | 11.3       |
| 49   | 8.3        |
| 50   | 10.6       |
| 51   | 9.6        |
| 52   | 11.3       |
| 56   | 11.9       |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | -.25199     | .32014            |
| 3 2       | .34740      | .34685            |

TERMINO CONSTANTE= 229.8630

COEF. CORRELACION MULTIPLE R 3= .60126448

ERROR STAND. DE ESTIMACION S 3= 177.8582

| NANO | ESTIMACION |
|------|------------|
| 36   | 17.4       |
| 37   | 7.1        |
| 38   | 4.0        |
| 39   | 0.0        |
| 40   | 10.6       |
| 41   | 20.4       |
| 42   | 6.1        |
| 43   | 16.9       |
| 44   | 17.1       |
| 45   | 21.9       |
| 46   | 5.3        |
| 47   | 19.7       |
| 48   | 17.9       |
| 49   | 6.6        |
| 50   | 15.1       |
| 51   | 11.3       |
| 52   | 17.7       |
| 53   | 41.6       |
| 54   | 28.8       |
| 55   | 23.6       |
| 55   | 0.0        |
| 56   | 19.9       |
| 56   | 63.0       |
| 57   | 25.9       |
| 66   | 50.3       |

| *  | ALTO \$O LEON |        |        | DTO.FEDERAL |        | INOS   |
|----|---------------|--------|--------|-------------|--------|--------|
|    | .9            | .9     | .9     | .2          | 660.0  |        |
| 48 | 2110.0        | 1500.0 | 1040.0 | 1370.0      | 820.0  | 1900.1 |
| 49 | 320.0         | 520.0  | 600.0  | 70.0        | 1090.0 | 420.0  |
|    | 230.0         | 2200.0 | 600.0  | 3040.0      | 1480.0 | 2220.0 |
| 50 | 1860.0        | 600.0  | 390.0  | 1350.0      | 1700.1 | 2050.0 |
|    | 900.1         | 1400.1 | 900.1  | 1600.1      | 930.0  | 1400.1 |
| 51 | 730.0         | 2080.0 | 880.0  | 370.0       | 940.0  | 70.0   |
|    | 720.0         | 460.0  | 480.0  | 250.0       | 490.0  | 1 90.0 |
| 52 | 430.0         | 20.0   | 150.0  | 1070.0      | 1430.0 | 10.0   |
|    | 1280.0        | 1050.0 | 1460.0 | 1070.0      | 1590.0 | 1090.0 |
| 53 | 1140.0        | 890.0  | 110.0  | 1070.0      | 2460.0 | 830.0  |
|    | 1350.0        | 670.0  | 2140.0 | 950.0       | 350.0  | 1340.0 |
| 54 | 380.0         | 390.0  | 40.0   | 1710.0      | 660.0  | 330.0  |
|    | 1510.0        | 670.6  | 1360.0 | 1800.0      | 1130.0 | 1880.0 |
| 55 | 500.0         | 320.0  | 660.0  | 670.0       | 440.0  | 1490.0 |
|    | 1690.0        | 630.0  | 730.0  | 1600.0      | 740.0  | 1350.0 |
| 56 | 2210.0        | 130.0  | 210.0  | 50.0        | 730.0  | 130.0  |
|    | 1020.0        | 1870.0 | 1230.0 | 1500.0      | 830.0  | 740.0  |
| 57 | 510.0         | 80.0   | 10.0   | 200.0       | 1060.0 | 1660.0 |
|    | 1650.0        | 1000.0 | 1230.0 | 2240.0      | 1020.0 | 1310.0 |
| 58 | 89.0          | 162.0  | 53.0   | 269.0       | 1344.0 | 420.0  |
|    | 1881.0        | 1037.0 | 739.0  | 492.0       | 727.0  | 2006.0 |
| 59 | 96.0          | 28.0   | 62.0   | 202.0       | 1950.0 | 176.0  |
|    | 821.0         | 1298.0 | 1101.0 | 1287.0      | 648.0  | 801.0  |
| 60 | 131.0         | 148.0  | 35.0   | 930.0       | 604.0  | 92.0   |
|    | 899.0         | 1732.0 | 1064.0 | 856.0       | 1268.0 | 932.0  |
| 61 | 79.0          | 83.0   | 266.0  | 270.0       | 248.0  | 1696.0 |
|    | 2221.0        | 1429.0 | 922.0  | 669.0       | 1153.0 | 629.0  |
| 62 | 164.0         | 142.0  | 696.0  | 766.0       | 964.0  | 165.0  |
|    | 800.0         | 1188.0 | 568.0  | 1125.0      | 677.0  | 1293.0 |
| 63 | 232.0         | 696.0  | 434.0  | 499.0       | 2836.0 | 365.0  |
|    | 572.0         | 813.0  | 2060.0 | 670.0       | 1839.0 | 1549.0 |
| 64 | 67.0          | 10.0   | 42.0   | 546.0       | 1102.0 | 340.0  |
|    | 1481.0        | 1077.0 | 1055.0 | 1235.0      | 512.0  | 1106.0 |
| 65 | 468.0         | 321.0  | 19.0   | 334.0       | 1128.0 | 591.0  |
|    | 1398.0        | 1397.0 | 868.0  | 949.0       | 1227.0 | 2435.0 |
| 66 | 247.0         | 345.0  | 14.0   | 947.0       | 1301.0 | 191.0  |
|    | 1526.0        | 840.0  | 1228.0 | 1576.0      | 1280.0 | 1803.0 |

| *  | ALTO IZCARAGUA |        |        | DTO.FEDERAL |        | INOS   |
|----|----------------|--------|--------|-------------|--------|--------|
|    |                |        |        |             |        |        |
| 49 | 280.0          | 280.0  | 440.0  | 50.0        | 830.0  | 1510.0 |
|    | 160.0          | 1510.0 | 650.0  | 1190.0      | 840.0  | 410.0  |
| 50 | 1080.0         | 440.0  | 200.0  | 510.0       | 1130.0 | 1090.0 |
|    | 900.1          | 1400.2 | 900.1  | 1300.1      | 600.0  | 130.0  |
| 51 | 500.1          | 1540.0 | 400.1  | 430.0       | 680.0  | 1020.0 |
|    | 950.0          | 520.0  | 480.0  | 630.0       | 480.0  | 580.0  |
| 52 | 120.0          | 30.0   | 90.0   | 530.0       | 630.0  | 1600.0 |
|    | 920.0          | 1330.0 | 1360.0 | 950.0       | 1200.0 | 800.0  |
| 53 | 1260.0         | 550.0  | 130.0  | 500.0       | 920.0  | 1290.0 |
|    | 1660.0         | 540.0  | 1290.0 | 540.0       | 890.0  | 480.0  |
| 54 | 350.0          | 360.0  | 30.0   | 890.6       | 550.0  | 1350.0 |
|    | 1350.0         | 710.0  | 960.0  | 1610.0      | 1120.0 | 990.0  |
| 55 | 390.0          | 260.0  | 450.0  | 350.0       | 630.0  | 1320.0 |
|    | 1680.0         | 500.0  | 1500.0 | 1930.0      | 690.0  | 460.0  |
| 56 | 2230.0         | 210.0  | 660.0  | 160.0       | 650.0  | 810.0  |
|    | 980.0          | 1710.0 | 840.0  | 1300.0      | 530.0  | 1420.0 |
| 57 | 400.0          | 120.0  | 30.0   | 340.0       | 1200.0 | 920.0  |

|    |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|
| 58 | 960.0  | 930.0  | 1170.0 | 1470.0 | 1010.0 | 390.0  |
|    | 94.0   | 249.0  | 46.0   | 396.0  | 1009.0 | 1277.0 |
| 59 | 1705.0 | 716.0  | 1066.0 | 379.6  | 422.0  | 145.0  |
|    | 38.0   | 41.0   | 21.0   | 162.0  | 1082.0 | 1367.0 |
| 60 | 784.6  | 1237.0 | 1163.0 | 1276.0 | 756.0  | 188.0  |
|    | 329.0  | 27.0   | 55.0   | 986.0  | 890.0  | 925.0  |
| 61 | 742.0  | 1387.0 | 809.0  | 1167.0 | 1256.0 | 1187.0 |
|    | 40.0   | 74.0   | 119.0  | 276.0  | 160.0  | 593.0  |
| 62 | 1785.0 | 1374.0 | 758.0  | 938.0  | 1430.0 | 156.0  |
|    | 205.0  | 45.0   | 553.0  | 639.0  | 691.0  | 923.0  |
| 63 | 937.0  | 1466.0 | 417.0  | 787.0  | 399.0  | 283.0  |
|    | 248.0  | 56.0   | 154.0  | 540.0  | 1781.0 | 1654.0 |
| 64 | 1364.0 | 912.0  | 1021.0 | 1049.0 | 1199.0 | 274.0  |
|    | 37.0   | 16.0   | 43.0   | 594.0  | 674.0  | 1057.0 |
| 65 | 1615.0 | 603.0  | 1213.0 | 744.0  | 693.0  | 861.0  |
|    | 1242.0 | 255.0  | 10.0   | 453.0  | 827.0  | 940.0  |
|    | 845.0  | 1508.0 | 1067.0 | 1687.0 | 752.0  | 106.0  |



MES DE ENERO

MEDIA DE X 1= 553.2941 DESV. TIPICA= 606.7506

MEDIA DE X 2= 520.1764 DESV. TIPICA= 577.6199

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .88151621

COEF. DE CORRELACION PARCIALES

1 2 .88151621

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .92597      | .12805            |

TERMINO CONSTANTE= 71.6247

COEF. CORRELACION MULTIPLE R 1= .88151621

ERROR STAND. DE ESTIMACION S 1= 304.9808

NANO ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .83919      | .11605            |

TERMINO CONSTANTE= 55.8554

COEF. CORRELACION MULTIPLE R 2= .88151621

ERROR STAND. DE ESTIMACION S 2= 290.3384

NANO ESTIMACION  
66. 26.3

MES DE FEBRERO

MEDIA DE X 1= 389.4117

DESV. TIPICA= 491.8593

MEDIA DE X 2= 267.8235

DESV. TIPICA= 353.4392

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .93709381

COEF. DE CORRELACION PARCIALES

1 2 .93709381

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

1.30409

.12543

TERMINO CONSTANTE= 40.1444

COEF. CORRELACION MULTIPLE R 1= .93709381

ERROR STAND. DE ESTIMACION S 1= 182.7855

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

2 1

.67337

.06476

TERMINO CONSTANTE= 5.6034

COEF. CORRELACION MULTIPLE R 2= .93709381

ERROR STAND. DE ESTIMACION S 2= 131.3456

NANO

ESTIMACION

66

23.7

MES DE MARZO

MEDIA DE X 1= 273.9411 DESV. TIPICA= 274.4284  
 MEDIA DE X 2= 201.8235 DESV. TIPICA= 205.4064

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .74096020

COEF. DE CORRELACION PARCIALES

1 2 .74096020

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .98994      | .23165            |

TERMINO CONSTANTE= 74.1474

COEF. CORRELACION MULTIPLE R 1= .74096020

ERROR STAND. DE ESTIMACION S 1= 196.1939

NANO ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .55459      | .12978            |

TERMINO CONSTANTE= 49.8958

COEF. CORRELACION MULTIPLE R 2= .74096020

ERROR STAND. DE ESTIMACION S 2= 146.8488

NANO ESTIMACION  
 66 5.7

MES DE ABRIL

MEDIA DE X 1= 541.6250 DESV. TIPICA= 383.0936  
 MEDIA DE X 2= 432.2500 DESV. TIPICA= 215.3568

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .66902266

COEF. DE CORRELACION PARCIALES

1 2 .66902266

VARIABLE PENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | 1.19011     | .35335            |

TERMINO CONSTANTE= 27.1999

COEF. CORRELACION MULTIPLE R 1= .66902266

ERROR STAND. DE ESTIMACION S 1= 304.3905

NANO ESTIMACION

VARIABLE PENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .37609      | .11166            |

TERMINO CONSTANTE= 228.5489

COEF. CORRELACION MULTIPLE R 2= .66902266

ERROR STAND. DE ESTIMACION S 2= 171.1137

NANO ESTIMACION

|    |      |
|----|------|
| 48 | 22.8 |
| 54 | 87.1 |
| 66 | 58.4 |

MES DE MAYO

MEDIA DE X 1= 1216.8235

DESV. TIPICA= 671.5576

MEDIA DE X 2= 843.1764

DESV. TIPICA= 337.9401

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .78008385

COEF. DE CORRELACION PARCIALES

1 2 .78008385

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

1.55018

.32103

TERMINO CONSTANTE= -90.2597

COEF. CORRELACION MULTIPLE R 1= .78008385

ERROR STAND. DE ESTIMACION S 1= 447.3123

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

2 1

.39255

.08129

TERMINO CONSTANTE= 365.5092

COEF. CORRELACION MULTIPLE R 2= .78008385

ERROR STAND. DE ESTIMACION S 2= 225.0958

NANO

ESTIMACION

48

62.4

66

87.6

MES DE JUNIO

MEDIA DE X 1= 1398.2941

DESV. TIPICA= 500.7972

MEDIA DE X 2= 1155.6470

DESV. TIPICA= 286.0937

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .34219138

COEF. DE CORRELACION PARCIALES

1 2 .34219138

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .59899      | .42468            |

TERMINO CONSTANTE= 706.0682

COEF. CORRELACION MULTIPLE R 1= .34219138

ERROR STAND. DE ESTIMACION S 1= 500.9538

NANO ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .19548      | .13859            |

TERMINO CONSTANTE= 882.3002

COEF. CORRELACION MULTIPLE R 2= .34219138

ERROR STAND. DE ESTIMACION S 2= 286.1832

| NANO | ESTIMACION |
|------|------------|
| 48   | 125.3      |
| 66   | 123.4      |

MES DE JULIO

MEDIA DE X 1= 1225.1250

DESV. TIPICA= 507.4785

MEDIA DE X 2= 1159.5625

DESV. TIPICA= 437.1903

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .73877704

COEF. DE CORRELACION PARCIALES

1 2 .73877704

VARIABLE DEPENDIENTE X 1

VARIABLES COEF. REGR. ERROR COEF. REGR.

1 2 .85755 .20907

TERMINO CONSTANTE= 230.7396

COEF. CORRELACION MULTIPLE R 1= .73877704

ERROR STAND. DE ESTIMACION S 1= 365.6295

NANO ESTIMACION

VARIABLE DEPENDIENTE X 2

VARIABLES COEF. REGR. ERROR COEF. REGR.

2 1 .63645 .15517

TERMINO CONSTANTE= 379.8282

COEF. CORRELACION MULTIPLE R 2= .73877704

ERROR STAND. DE ESTIMACION S 2= 314.9880

NANO ESTIMACION

48 172.2

59 90.2

66 135.1

MES DE AGOSTO

MEDIA DE X 1= 1203.1875

DESV. TIPICA= 452.7779

MEDIA DE X 2= 1102.6875

DESV. TIPICA= 405.3029

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .83352134

COEF. DE CORRELACION PARCIALES

1 2 .83352134

VARIABLE DEPENDIENTE X 1

VARIABLES COEF. REGR. ERROR COEF. REGR.

1 2 .93115 .16495

TERMINO CONSTANTE= 176.4138

COEF. CORRELACION MULTIPLE R 1= .83352134

ERROR STAND. DE ESTIMACION S 1= 267.4259

NANO

ESTIMACION

54

83.7

VARIABLE DEPENDIENTE X 2

VARIABLES COEF. REGR. ERROR COEF. REGR.

2 1 .74612 .13217

TERMINO CONSTANTE= 204.9601

COEF. CORRELACION MULTIPLE R 2= .83352134

ERROR STAND. DE ESTIMACION S 2= 239.3855

NANO

ESTIMACION

48

132.4

66

83.1



MES DE SEPTIEMBRE

MEDIA DE X 1= 1088.6470

DESV. TIPICA= 456.6813

MEDIA DE X 2= 980.2352

DESV. TIPICA= 290.2551

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .48023063

COEF. DE CORRELACION PARCIALES

1 2 .48023063

VARIABLE DEPENDIENTE X 1

VARIABLES COEF. REGR. ERROR COEF. REGR.

1 2 .75558 .35633

TERMINO CONSTANTE= 347.9961

COEF. CORRELACION MULTIPLE R 1= .48023063

ERROR STAND. DE ESTIMACION S 1= 426.4441

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

VARIABLES COEF. REGR. ERROR COEF. REGR.

2 1 .30522 .14394

TERMINO CONSTANTE= 647.9557

COEF. CORRELACION MULTIPLE R 2= .48023063

ERROR STAND. DE ESTIMACION S 2= 271.0371

NANO

ESTIMACION

48 96.5

66 102.2

MES DE OCTUBRE

MEDIA DE X 1= 1302.5625

DESV. TIPICA= 652.3712

MEDIA DE X 2= 1160.5000

DESV. TIPICA= 379.6396

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .45527889

COEF. DE CORRELACION PARCIALES

1 2 .45527889

VARIABLE DEPENDIENTE X 1

VARIABLES COEF. REGR. ERROR COEF. REGR.

1 2 .78234 .40890

TERMINO CONSTANTE= 394.6459

COEF. CORRELACION MULTIPLE R 1= .45527889

ERROR STAND. DE ESTIMACION S 1= 620.9419

NANO ESTIMACION

VARIABLE DEPENDIENTE X 2

VARIABLES COEF. REGR. ERROR COEF. REGR.

2 1 .26494 .13847

TERMINO CONSTANTE= 815.3937

COEF. CORRELACION MULTIPLE R 2= .45527889

ERROR STAND. DE ESTIMACION S 2= 361.3497

NANO ESTIMACION

48 117.8

58 94.5

66 123.2

MES DE NOVIEMBRE

MEDIA DE X 1= 977.1176 DESV. TIPICA= 403.1119  
 MEDIA DE X 2= 839.2352 DESV. TIPICA= 306.8666

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1 2 .64307807

COEF. DE CORRELACION PARCIALES  
 1 2 .64307807

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .84477      | .25974            |

TERMINO CONSTANTE= 268.1547

COEF. CORRELACION MULTIPLE R 1= .64307807

ERROR STAND. DE ESTIMACION S 1= 328.6398

NANO ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .48953      | .15051            |

TERMINO CONSTANTE= 360.8977

COEF. CORRELACION MULTIPLE R 2= .64307807

ERROR STAND. DE ESTIMACION S 2= 250.1751

| NANO | ESTIMACION |
|------|------------|
| 48   | 76.2       |
| 66   | 98.7       |

MES DE DICIEMBRE

MEDIA DE X 1= 665.0588

DESV. TIPICA= 621.2327

MEDIA DE X 2= 521.1764

DESV. TIPICA= 385.9116

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .72738774

COEF. DE CORRELACION PARCIALES

1 2 .72738774

VARIABLE DEPENDIENTE X 1

VARIABLES COEF.REGR. ERROR COEF. REGR.

1 2 1.17093 .28522

TERMINO CONSTANTE= 54.7955

COEF. CORRELACION MULTIPLE R 1= .72738774

ERROR STAND. DE ESTIMACION S 1= 453.8379

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

VARIABLES COEF.REGR. ERROR COEF. REGR.

2 1 .45185 .11006

TERMINO CONSTANTE= 220.6660

COEF. CORRELACION MULTIPLE R 2= .72738774

ERROR STAND. DE ESTIMACION S 2= 281.9254

NANO

ESTIMACION

48 41.0

66 96.6

| *  | LA MARIPOSA          |        |        | EDO.MIRANDA |        | INOS   |
|----|----------------------|--------|--------|-------------|--------|--------|
|    | .9                   | .9     | .9     | .9          | .9     | .9     |
| 49 | .9                   | 828.6  | 732.0  | 2084.0      | 774.0  | 766.0  |
| 50 | 788.0                | 68.0   | 14.0   | 100.0       | 1216.0 | 2242.0 |
|    | 810.0                | 1334.0 | 526.0  | 1690.0      | 1308.0 | 444.0  |
| 51 | 388.0                | 1202.0 | 158.0  | 522.0       | 1360.0 | 2434.0 |
|    | 1418.0               | 788.0  | 860.0  | 834.0       | 678.0  | 1426.0 |
| 52 | 78.0                 | 0.0    | 86.0   | 1122.0      | 800.0  | 1164.0 |
|    | 1590.0               | 1050.0 | 1748.0 | 30.0        | 806.0  | 88.0   |
| 53 | 676.0                | 179.0  | 19.0   | 10.0        | 1971.0 | 1262.0 |
|    | 1425.0               | 1122.0 | 1405.0 | 758.0       | 569.0  | 383.0  |
| 54 | 8.0                  | 113.0  | 42.0   | 1286.0      | 461.0  | 1083.0 |
|    | 1592.0               | 1014.0 | 1049.0 | 1830.0      | 988.0  | 805.0  |
| 55 | 409.0                | 22.0   | 96.0   | 277.0       | 645.0  | 2053.0 |
|    | 1731.0               | 951.0  | 1993.0 | 3.6         | 579.6  | 145.0  |
| 56 | 972.0                | 105.0  | 381.0  | 63.0        | 956.0  | 1185.0 |
|    | 832.0                | 1398.0 | 383.0  | 1153.0      | 510.0  | 898.0  |
| 57 | 98.0                 | 49.0   | 0.0    | 141.0       | 1039.0 | 1054.0 |
|    | 1102.0               | 958.0  | 742.0  | 950.0       | 933.0  | 0.0    |
| 58 | 22.0                 | 80.0   | 0.0    | 257.0       | 1358.0 | 1746.0 |
|    | 1691.0               | 1319.0 | 1040.0 | 672.0       | 749.0  | 96.0   |
| 59 | 10.0                 | 8.0    | 0.0    | 200.0       | 1226.0 | 1141.0 |
|    | 774.0                | 1580.0 | 785.0  | 1175.0      | 348.0  | 121.0  |
| 60 | 16.0                 | 97.0   | 0.0    | 541.0       | 827.0  | 1549.0 |
|    | 1256.0               | 2130.0 | 1161.0 | 470.0       | 972.0  | 714.0  |
| 61 | 44.0                 | 29.0   | 4.0    | 64.0        | 15.0   | 588.0  |
|    | 1695.0               | 1479.0 | 832.0  | 735.0       | 754.0  | 231.0  |
| 62 | 43.0                 | 26.0   | 158.0  | 113.0       | 742.0  | 1367.0 |
|    | 979.0                | 973.0  | 929.0  | 601.0       | 847.0  | 548.0  |
| 63 | 124.0                | 88.0   | 547.0  | 435.0       | 2168.0 | 1866.0 |
|    | 977.0                | 429.0  | 2059.0 | 667.0       | 1570.0 | 158.0  |
| 64 | 28.0                 | 0.0    | 8.0    | 99.0        | 698.0  | 1269.0 |
|    | 1310.0               | 1083.0 | 537.0  | 892.0       | 315.0  | 154.0  |
| 65 | 360.0                | 543.0  | 0.0    | 154.0       | 588.0  | 2437.0 |
|    | 1852.0               | 2460.0 | 545.0  | 623.0       | 1103.0 | 86.0   |
| 66 | 398.0                | 125.0  | 0.0    | 444.0       | 893.0  | 2434.0 |
|    | 1736.0               | 991.0  | 712.0  | 854.0       | 1417.0 | 665.0  |
|    |                      |        |        |             |        |        |
| *  | CARACAS LA RINCONADA |        |        | DTO.FEDERAL |        | MOP    |
|    |                      |        |        |             |        |        |
| 65 | 177.6                | 322.0  | 4.0    | 344.0       | 452.0  | 1846.0 |
|    | 2173.0               | 1883.0 | 639.0  | 441.0       | 758.0  | 149.0  |
| 66 | 328.0                | 105.0  | .8     | 392.0       | 829.0  | 2152.0 |
|    | 1706.0               | 617.0  | 575.0  | 887.0       | 1469.0 | 371.0  |

MES DE ENERO

NUMERO DE ANOS COMUNES= 1 MENOR QUE NUMERO DE ESTACIONES= 2

| *  | CARACAS CAGIGAL |        |        | DTO.FEDERAL |        | SMN    |
|----|-----------------|--------|--------|-------------|--------|--------|
|    |                 |        |        |             |        |        |
| 1  | 164.0           | 4.0    | 11.0   | 9.0         | 386.0  | 769.0  |
|    | 1929.0          | 1193.0 | 754.0  | 1414.0      | 1281.0 | 380.0  |
| 2  | 616.0           | 0.0    | 0.0    | 153.0       | 844.0  | 1149.0 |
|    | 932.0           | 755.0  | 1780.0 | 525.0       | 270.0  | 683.0  |
| 3  | 69.0            | 0.0    | 0.0    | 302.0       | 738.0  | 1094.0 |
|    | 1300.0          | 1261.0 | 661.0  | 1216.0      | 837.0  | 857.0  |
| 4  | 159.0           | 34.0   | 1012.0 | 1266.0      | 396.0  | 955.0  |
|    | 756.0           | 1244.0 | 828.0  | 749.0       | 419.0  | 123.0  |
| 5  | 97.0            | 26.0   | 98.0   | 1051.0      | 1650.0 | 617.0  |
|    | 1169.0          | 1178.0 | 1097.0 | 609.0       | 1596.0 | 588.0  |
| 6  | 16.0            | 62.0   | 3.0    | 41.0        | 951.0  | 1834.0 |
|    | 1262.0          | 1035.0 | 1108.0 | 1338.0      | 558.0  | 942.0  |
| 7  | 993.0           | 74.0   | 691.0  | 87.0        | 1074.0 | 862.0  |
|    | 1844.0          | 813.0  | 476.0  | 1051.0      | 806.0  | 97.0   |
| 8  | 0.0             | 11.0   | 4.0    | 497.0       | 621.0  | 909.0  |
|    | 671.0           | 938.0  | 2069.0 | 1138.0      | 584.0  | 412.0  |
| 9  | 426.0           | 45.0   | 17.0   | 1245.0      | 488.0  | 900.0  |
|    | 972.0           | 1574.0 | 345.0  | 1274.0      | 975.0  | 1422.0 |
| 10 | 441.0           | 594.0  | 248.0  | 204.0       | 1421.0 | 1336.0 |
|    | 299.0           | 947.0  | 577.0  | 606.0       | 867.0  | 292.0  |
| 11 | 105.0           | 255.0  | 64.0   | 400.0       | 950.0  | 1628.0 |
|    | 1537.0          | 1748.0 | 452.0  | 613.0       | 852.0  | 391.0  |
| 12 | 18.0            | 0.0    | 0.0    | 32.0        | 269.0  | 1152.0 |
|    | 1387.0          | 1025.0 | 865.0  | 547.0       | 812.0  | 312.0  |
| 13 | 449.0           | 8.0    | 122.0  | 0.0         | 536.0  | 783.0  |
|    | 662.0           | 903.0  | 1136.0 | 735.0       | 879.0  | 435.0  |
| 14 | 0.0             | 0.0    | 10.0   | 59.0        | 793.0  | 1312.0 |
|    | 345.0           | 600.0  | 398.0  | 352.0       | 473.0  | 247.0  |
| 15 | 195.0           | 437.0  | 0.0    | 1221.0      | 527.0  | 1282.0 |
|    | 770.0           | 1182.0 | 1694.0 | 1201.0      | 235.0  | 56.0   |
| 16 | 116.0           | 307.0  | 139.0  | 33.0        | 423.0  | 800.0  |
|    | 1268.0          | 1689.0 | 1744.0 | 585.0       | 1457.0 | 422.0  |
| 17 | 144.0           | 104.0  | 63.0   | 309.0       | 313.0  | 1811.0 |
|    | 1416.0          | 733.0  | 800.0  | 625.0       | 288.0  | 1019.0 |
| 18 | 127.0           | 142.0  | 128.0  | 201.0       | 1012.0 | 872.0  |
|    | 1397.0          | 1196.0 | 268.0  | 916.0       | 440.0  | 107.0  |
| 19 | 0.0             | 3.0    | 232.0  | 1130.0      | 354.0  | 1228.0 |
|    | 639.0           | 1044.0 | 1081.0 | 959.0       | 1231.0 | 47.0   |
| 20 | 22.0            | 13.0   | 60.0   | 0.0         | 945.0  | 1316.0 |
|    | 985.0           | 796.0  | 2095.0 | 439.0       | 785.0  | 186.0  |
| 21 | 251.0           | 3.0    | 335.0  | 169.0       | 591.0  | 2302.0 |
|    | 951.0           | 1479.0 | 1516.0 | 1418.0      | 1456.0 | 907.0  |
| 22 | 334.0           | 41.0   | 70.0   | 9.0         | 1298.0 | 695.0  |
|    | 410.0           | 789.0  | 1094.0 | 1360.0      | 755.0  | 476.0  |
| 23 | 674.0           | 0.0    | 62.0   | 94.0        | 670.0  | 426.0  |
|    | 898.0           | 747.0  | 756.0  | 1256.0      | 589.0  | 660.0  |
| 24 | 34.0            | 16.0   | 0.0    | 452.0       | 603.0  | 743.0  |
|    | 1522.0          | 1541.0 | 2519.0 | 1984.0      | 1519.0 | 80.0   |
| 25 | 47.0            | 18.0   | 98.0   | 63.0        | 544.0  | 1013.0 |
|    | 493.0           | 1729.0 | 1304.0 | 1005.0      | 428.0  | 110.0  |
| 26 | 9.0             | 0.0    | 3.0    | 0.0         | 481.0  | 724.0  |
|    | 1336.0          | 1704.0 | 1209.0 | 1858.0      | 1353.0 | 1175.0 |
| 27 | 337.0           | 735.0  | 303.0  | 670.0       | 846.0  | 1183.0 |
|    | 1381.0          | 860.0  | 2881.0 | 672.0       | 2171.0 | 395.0  |
| 28 | 524.0           | 11.0   | 27.0   | 44.0        | 184.0  | 1332.0 |
|    | 1140.0          | 2520.0 | 681.0  | 1312.0      | 1435.0 | 408.0  |
| 29 | 0.0             | 19.0   | 193.0  | 117.0       | 1452.0 | 619.0  |

|    |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|
|    | 421.0  | 644.0  | 1070.0 | 500.0  | 37.0   | 73.0   |
| 30 | 170.0  | 50.0   | 10.0   | 356.0  | 336.0  | 1024.0 |
|    | 625.0  | 531.0  | 1369.0 | 1689.0 | 1401.0 | 180.0  |
| 31 | 13.0   | 0.0    | 0.0    | 94.0   | 1139.0 | 1307.0 |
|    | 2323.0 | 744.0  | 776.0  | 1386.0 | 1495.0 | 326.0  |
| 32 | 507.0  | 28.0   | 125.0  | 246.0  | 1359.0 | 888.0  |
|    | 1463.0 | 2150.0 | 821.0  | 1615.0 | 1301.0 | 780.0  |
| 33 | 384.0  | 156.0  | 148.0  | 251.0  | 229.0  | 698.0  |
|    | 1976.0 | 1697.0 | 1837.0 | 1382.0 | 1459.0 | 1320.0 |
| 34 | 292.0  | 27.0   | 40.0   | 0.0    | 669.0  | 173.0  |
|    | 357.0  | 457.0  | 686.0  | 1773.0 | 249.0  | 248.0  |
| 35 | 41.0   | 107.0  | 42.0   | 381.0  | 1334.0 | 320.0  |
|    | 674.0  | 1250.0 | 408.0  | 510.0  | 991.0  | 375.0  |
| 36 | 5.0    | 46.0   | 92.0   | 129.0  | 1067.0 | 1089.0 |
|    | 1256.0 | 534.0  | 661.0  | 2261.0 | 908.0  | 289.0  |
| 37 | 637.0  | 68.0   | 0.0    | 389.0  | 817.0  | 1009.0 |
|    | 502.0  | 905.0  | 827.0  | 506.0  | 956.0  | 222.0  |
| 38 | 451.0  | 418.0  | 368.0  | 507.0  | 1677.0 | 542.0  |
|    | 877.0  | 2185.0 | 1681.0 | 1361.0 | 1532.0 | 1091.0 |
| 39 | 50.0   | 29.0   | 25.0   | 37.0   | 182.0  | 617.0  |
|    | 295.0  | 1346.0 | 403.0  | 787.0  | 968.0  | 294.0  |
| 40 | 6.0    | 30.0   | 53.0   | 71.0   | 221.0  | 789.0  |
|    | 865.0  | 1079.0 | 485.0  | 1318.0 | 827.0  | 210.0  |
| 41 | 41.0   | 9.0    | 0.0    | 109.0  | 778.0  | 750.0  |
|    | 950.0  | 758.0  | 1213.0 | 846.0  | 366.0  | 26.0   |
| 42 | 245.0  | 2.0    | 128.0  | 462.0  | 1672.0 | 1424.0 |
|    | 651.0  | 616.0  | 1720.0 | 1929.0 | 826.0  | 657.0  |
| 43 | 391.0  | 255.0  | 224.0  | 725.0  | 1183.0 | 449.0  |
|    | 627.0  | 607.0  | 1292.0 | 1326.0 | 928.0  | 393.0  |
| 44 | 81.0   | 21.0   | 2.0    | 123.0  | 1489.0 | 1126.0 |
|    | 860.0  | 1275.0 | 1268.0 | 601.0  | 1911.0 | 182.0  |
| 45 | 6.0    | 9.0    | 15.0   | 311.0  | 1583.0 | 1682.0 |
|    | 454.0  | 580.0  | 678.0  | 1131.0 | 379.0  | 183.0  |
| 46 | 49.0   | 12.0   | 37.0   | 337.0  | 1129.0 | 881.0  |
|    | 649.0  | 1298.0 | 1200.0 | 1059.0 | 180.0  | 395.0  |
| 47 | 115.0  | 5.0    | 0.0    | 10.0   | 476.0  | 985.0  |
|    | 1191.0 | 1347.0 | 612.0  | 636.0  | 315.0  | 123.0  |
| 48 | 129.0  | 13.0   | 236.0  | 769.0  | 605.0  | 1470.0 |
|    | 1393.0 | 1794.0 | 502.0  | 658.0  | 428.0  | 232.0  |
| 49 | 4.0    | 127.0  | 214.0  | 0.0    | 168.0  | 1613.0 |
|    | 610.0  | 656.0  | 456.0  | 2212.0 | 1224.0 | 811.0  |
| 50 | 992.0  | 158.0  | 43.0   | 129.0  | 1147.0 | 2352.0 |
|    | 570.0  | 1407.0 | 1136.0 | 2284.0 | 1550.0 | 377.0  |
| 51 | 375.0  | 2240.0 | 466.0  | 612.0  | 569.0  | 971.0  |
|    | 1022.0 | 450.0  | 610.0  | 391.0  | 1052.0 | 448.0  |
| 52 | 52.0   | 0.0    | 54.0   | 497.0  | 1202.0 | 526.0  |
|    | 665.0  | 942.0  | 1440.0 | 1071.0 | 483.0  | 1148.0 |
| 53 | 294.0  | 247.0  | 19.0   | 98.0   | 978.0  | 875.0  |
|    | 988.0  | 873.0  | 1250.0 | 1048.0 | 708.0  | 330.0  |
| 54 | 114.0  | 99.0   | 4.0    | 763.0  | 542.0  | 1417.0 |
|    | 1827.0 | 1496.0 | 841.0  | 3274.0 | 605.0  | 982.0  |
| 55 | 375.0  | 35.0   | 118.0  | 585.0  | 368.0  | 1566.0 |
|    | 1375.0 | 869.0  | 1544.0 | 1389.0 | 756.0  | 130.0  |
| 56 | 727.0  | 61.0   | 232.0  | 31.0   | 392.0  | 749.0  |
|    | 850.0  | 1214.0 | 614.0  | 737.0  | 360.0  | 637.0  |
| 57 | 233.0  | 15.0   | 0.0    | 371.0  | 724.0  | 881.0  |
|    | 563.0  | 740.0  | 1081.0 | 1151.0 | 488.0  | 124.0  |
| 58 | 28.0   | 39.0   | 9.0    | 148.0  | 1514.0 | 2606.0 |

|    |                     |        |        |             |        |        |
|----|---------------------|--------|--------|-------------|--------|--------|
|    | 1451.0              | 1789.0 | 1424.0 | 583.0       | 351.0  | 46.0   |
| 59 | 2.0                 | 0.0    | 0.0    | 9.0         | 1850.0 | 574.0  |
|    | 948.0               | 563.0  | 1001.0 | 771.0       | 899.0  | 78.0   |
| 60 | 54.0                | 73.0   | 81.0   | 1251.0      | 736.0  | 959.0  |
|    | 1139.0              | 1798.0 | 934.0  | 578.0       | 1219.0 | 818.0  |
| 61 | 6.0                 | 34.0   | 38.0   | 12.0        | 98.0   | 444.0  |
|    | 1676.0              | 1202.0 | 1111.0 | 616.0       | 929.0  | 386.0  |
| 62 | 60.0                | 32.0   | 84.0   | 12.0        | 911.0  | 1439.0 |
|    | 903.0               | 1595.0 | 670.0  | 862.0       | 631.0  | 404.0  |
| 63 | 288.0               | 0.0    | 6.0    | 503.0       | 2079.0 | 1471.0 |
|    | 905.0               | 930.0  | 1582.0 | 666.0       | 940.0  | 134.0  |
| 64 | 20.0                | 0.0    | 0.0    | 62.0        | 1038.0 | 1972.0 |
|    | 1536.0              | 1612.0 | 1079.0 | 1014.0      | 523.0  | 299.0  |
| 65 | 370.0               | 498.0  | 0.0    | 60.0        | 817.0  | 1245.0 |
|    | 1953.0              | 1108.0 | 805.0  | 668.0       | 537.0  | 58.0   |
| 66 | 210.0               | 200.0  | 0.0    | 71.0        | 45.0   | 142.0  |
|    | 108.0               | 102.0  | 68.0   | 166.0       | 190.0  | 52.0   |
|    |                     |        |        |             |        |        |
| *  | CARACAS LA CAROLINA |        |        | DTO.FEDERAL |        | MOP    |
| 48 | 0.0                 | 0.0    | 0.0    | 520.0       | 830.0  | 1370.0 |
|    | 1780.0              | 1510.0 | 750.0  | 740.0       | 310.0  | 290.0  |
| 49 | 20.0                | 130.0  | 140.0  | 0.0         | 160.0  | 2490.0 |
|    | 510.0               | 980.0  | 620.0  | 2260.0      | 1100.0 | 770.0  |
| 50 | 770.0               | 100.0  | 70.0   | 40.0        | 1040.0 | 2130.0 |
|    | 610.0               | 1890.0 | 890.0  | 1880.0      | 1680.0 | 310.0  |
| 51 | 70.0                | 1910.0 | 360.0  | 650.0       | 570.0  | 1580.0 |
|    | 1200.0              | 560.0  | 780.0  | 620.0       | 850.0  | 370.0  |
| 52 | 30.0                | 0.0    | 30.0   | 970.0       | 1180.0 | 730.0  |
|    | 760.0               | 970.0  | 1710.0 | 1000.0      | 910.0  | 780.0  |
| 53 | 320.0               | 250.0  | 0.0    | 90.0        | 920.0  | 1190.0 |
|    | 1150.0              | 820.0  | 1490.0 | 830.0       | 540.0  | 390.0  |
| 54 | 120.0               | 80.0   | 0.0    | 880.0       | 540.0  | 1500.0 |
|    | 1520.0              | 1290.0 | 710.0  | 3360.0      | 680.0  | 880.0  |
| 55 | 190.0               | 20.0   | 100.0  | 650.0       | 590.0  | 1800.0 |
|    | 1640.0              | 750.0  | 1760.0 | 1440.0      | 700.0  | 130.0  |



ENERO

MEDIA DE X 1= 291.8750      DESV. TIPICA= 296.3483  
 MEDIA DE X 2= 190.0000      DESV. TIPICA= 240.6241

COEF. DE CORR. TOTALES (ORDEN CERO)

1    2      .92395954

COEF. DE CORRELACION PARCIALES

1    2      .92395954

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1    2    | 1.13793     | .19231            |

TERMINO CONSTANTE= 75.6679

COEF. CORRELACION MULTIPLE R 1= .92395954

ERROR STAND. DE ESTIMACION S 1= 130.8857

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

VARIABLES      COEF. REGR.      ERROR COEF. REGR.  
 2      1      .75022      .12678

TERMINO CONSTANTE= -28.9709

COEF. CORRELACION MULTIPLE R 2= .92395954

ERROR STAND. DE ESTIMACION S 2= 106.2744

| NANO | ESTIMACION |
|------|------------|
| 1    | 9.4        |
| 2    | 43.3       |
| 3    | 2.2        |
| 4    | 9.0        |
| 5    | 4.3        |
| 6    | 0.0        |
| 7    | 71.5       |
| 8    | 0.0        |
| 9    | 29.0       |
| 10   | 30.1       |
| 11   | 4.9        |
| 12   | 0.0        |
| 13   | 30.7       |
| 14   | 0.0        |
| 15   | 11.7       |
| 16   | 5.8        |
| 17   | 7.9        |
| 18   | 6.6        |
| 19   | 0.0        |
| 20   | 0.0        |
| 21   | 15.9       |
| 22   | 22.1       |
| 23   | 47.6       |
| 24   | 0.0        |
| 25   | .6         |
| 26   | 0.0        |
| 27   | 22.3       |
| 28   | 36.4       |
| 29   | 0.0        |
| 30   | 9.8        |
| 31   | 0.0        |
| 32   | 35.1       |
| 33   | 25.9       |
| 34   | 19.0       |
| 35   | .1         |

|    |      |
|----|------|
| 36 | 0.0  |
| 37 | 44.8 |
| 38 | 30.9 |
| 39 | .8   |
| 40 | 0.0  |
| 41 | .1   |
| 42 | 15.4 |
| 43 | 26.4 |
| 44 | 3.1  |
| 45 | 0.0  |
| 46 | .7   |
| 47 | 5.7  |
| 56 | 51.6 |
| 57 | 14.5 |
| 58 | 0.0  |
| 59 | 0.0  |
| 60 | 1.1  |
| 61 | 0.0  |
| 62 | 1.6  |
| 63 | 18.7 |
| 64 | 0.0  |
| 65 | 24.8 |
| 66 | 12.8 |

MES DE FEBRERO

MEDIA DE X 1= 364.8750

DESV. TIPICA= 712.9013

MEDIA DE X 2= 311.2500

DESV. TIPICA= 609.2297

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .99941726

COEF. DE CORRELACION PARCIALES

1 2 .99941726

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

1.16948

.01630

TERMINO CONSTANTE= .8723

COEF. CORRELACION MULTIPLE R 1= .99941726

ERROR STAND. DE ESTIMACION S 1= 28.0987

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

VARIABLES COEF. REGR. ERROR COEF. REGR.  
2 1 .85407 .01190

TERMINO CONSTANTE= -.3824

COEF. CORRELACION MULTIPLE R 2= .99941726

ERROR STAND. DE ESTIMACION S 2= 24.0125

| NANO | ESTIMACION |
|------|------------|
| 1    | .3         |
| 2    | 0.0        |
| 3    | 0.0        |
| 4    | 2.8        |
| 5    | 2.1        |
| 6    | 5.2        |
| 7    | 6.2        |
| 8    | .9         |
| 9    | 3.8        |
| 10   | 50.6       |
| 11   | 21.7       |
| 12   | 0.0        |
| 13   | .6         |
| 14   | 0.0        |
| 15   | 37.2       |
| 16   | 26.1       |
| 17   | 8.8        |
| 18   | 12.0       |
| 19   | .2         |
| 20   | 1.0        |
| 21   | .2         |
| 22   | 3.4        |
| 23   | 0.0        |
| 24   | 1.3        |
| 25   | 1.4        |
| 26   | 0.0        |
| 27   | 62.7       |
| 28   | .9         |
| 29   | 1.5        |
| 30   | 4.2        |
| 31   | 0.0        |
| 32   | 2.3        |
| 33   | 13.2       |
| 34   | 2.2        |
| 35   | 9.1        |

|    |      |
|----|------|
| 36 | 3.8  |
| 37 | 5.7  |
| 38 | 35.6 |
| 39 | 2.4  |
| 40 | 2.5  |
| 41 | .7   |
| 42 | .1   |
| 43 | 21.7 |
| 44 | 1.7  |
| 45 | .7   |
| 46 | .9   |
| 47 | .3   |
| 56 | 5.1  |
| 57 | 1.2  |
| 58 | 3.2  |
| 59 | 0.0  |
| 60 | 6.1  |
| 61 | 2.8  |
| 62 | 2.6  |
| 63 | 0.0  |
| 64 | 0.0  |
| 65 | 42.4 |
| 66 | 17.0 |

MES DE MARZO

MEDIA DE X 1= 144.2500 DESV. TIPICA= 146.3085

MEDIA DE X 2= 87.5000 DESV. TIPICA= 113.8804

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .84906667

COEF. DE CORRELACION PARCIALES

1 2 .84906667

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | 1.09084     | .27708            |

TERMINO CONSTANTE= 48.8012

COEF. CORRELACION MULTIPLE R 1= .84906667

ERROR STAND. DE ESTIMACION S 1= 89.2499

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

VARIABLES      COEF. REGR.      ERROR COEF. REGR.  
2      1      .66087      .16786

TERMINO CONSTANTE=      -7.8316

COEF. CORRELACION MULTIPLE R 2=      .84906667

ERROR STAND. DE ESTIMACION S 2=      69.4683

| NANO | ESTIMACION |
|------|------------|
| 1    | 0.0        |
| 2    | 0.0        |
| 3    | 0.0        |
| 4    | 66.0       |
| 5    | 5.6        |
| 6    | 0.0        |
| 7    | 44.8       |
| 8    | 0.0        |
| 9    | .3         |
| 10   | 15.6       |
| 11   | 3.4        |
| 12   | 0.0        |
| 13   | 7.2        |
| 14   | 0.0        |
| 15   | 0.0        |
| 16   | 8.4        |
| 17   | 3.3        |
| 18   | 7.6        |
| 19   | 14.5       |
| 20   | 3.1        |
| 21   | 21.3       |
| 22   | 3.8        |
| 23   | 3.3        |
| 24   | 0.0        |
| 25   | 5.6        |
| 26   | 0.0        |
| 27   | 19.2       |
| 28   | 1.0        |
| 29   | 11.9       |
| 30   | 0.0        |
| 31   | 0.0        |
| 32   | 7.4        |
| 33   | 8.9        |
| 34   | 1.8        |
| 35   | 1.9        |



|    |      |
|----|------|
| 36 | 5.2  |
| 37 | 0.0  |
| 38 | 23.5 |
| 39 | .8   |
| 40 | 2.7  |
| 41 | 0.0  |
| 42 | 7.6  |
| 43 | 14.0 |
| 44 | 0.0  |
| 45 | .2   |
| 46 | 1.6  |
| 47 | 0.0  |
| 56 | 14.5 |
| 57 | 0.0  |
| 58 | 0.0  |
| 59 | 0.0  |
| 60 | 4.5  |
| 61 | 1.7  |
| 62 | 4.7  |
| 63 | 0.0  |
| 64 | 0.0  |
| 65 | 0.0  |
| 66 | 0.0  |

MES DE ABRIL

MEDIA DE X 1= 431.6250

DESV. TIPICA= 290.0758

MEDIA DE X 2= 475.0000

DESV. TIPICA= 359.7568

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .84477630

COEF. DE CORRELACION PARCIALES

1 2 .84477630

1 2 .68115 .17614

TERMINO CONSTANTE= 108.0776

COEF. CORRELACION MULTIPLE R 1= .84477630

ERROR STAND. DE ESTIMACION S 1= 179.2386

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

VARIABLES      COEF. REGR.      ERROR COEF. REGR.  
 2      1      1.04770      .27093

TERMINO CONSTANTE=      22.7840

COEF. CORRELACION MULTIPLE R 2=      .84477630

ERROR STAND. DE ESTIMACION S 2=      222.2948

| NANO | ESTIMACION |
|------|------------|
| 1    | 3.2        |
| 2    | 18.3       |
| 3    | 33.9       |
| 4    | 134.9      |
| 5    | 112.3      |
| 6    | 6.5        |
| 7    | 11.3       |
| 8    | 54.3       |
| 9    | 132.7      |
| 10   | 23.6       |
| 11   | 44.1       |
| 12   | 5.6        |
| 13   | 2.2        |
| 14   | 8.4        |
| 15   | 130.2      |
| 16   | 5.7        |
| 17   | 34.6       |
| 18   | 23.3       |
| 19   | 120.6      |
| 20   | 2.2        |
| 21   | 19.9       |
| 22   | 3.2        |
| 23   | 12.1       |
| 24   | 49.6       |
| 25   | 8.8        |
| 26   | 2.2        |
| 27   | 72.4       |
| 28   | 6.8        |
| 29   | 14.5       |
| 30   | 39.5       |
| 31   | 12.1       |
| 32   | 28.0       |
| 33   | 28.5       |
| 34   | 2.2        |
| 35   | 42.1       |

|    |       |
|----|-------|
| 36 | 15.7  |
| 37 | 43.0  |
| 38 | 55.3  |
| 39 | 6.1   |
| 40 | 9.7   |
| 41 | 13.6  |
| 42 | 50.6  |
| 43 | 78.2  |
| 44 | 15.1  |
| 45 | 34.8  |
| 46 | 37.5  |
| 47 | 3.3   |
| 56 | 5.5   |
| 57 | 41.1  |
| 58 | 17.7  |
| 59 | 3.2   |
| 60 | 133.3 |
| 61 | 3.5   |
| 62 | 3.5   |
| 63 | 54.9  |
| 64 | 8.7   |
| 65 | 8.5   |
| 66 | 9.7   |

MES DE MAYO

MEDIA DE X 1= 697.3750

DESV. TIPICA= 348.8265

MEDIA DE X 2= 728.7500

DESV. TIPICA= 306.3673

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .94562413

COEF. DE CORRELACION PARCIALES

1 2 .94562413

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | 1.07667     | .15119            |

TERMINO CONSTANTE= -87.2537

COEF. CORRELACION MULTIPLE R 1= .94562413

ERROR STAND. DE ESTIMACION S 1= 131.0121

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .83052      | .11662            |

TERMINO CONSTANTE= 149.5643

COEF. CORRELACION MULTIPLE R 2= .94562413

ERROR STAND. DE ESTIMACION S 2= 115.0652

| NANO | ESTIMACION |
|------|------------|
| 1    | 47.0       |
| 2    | 85.0       |
| 3    | 76.2       |
| 4    | 47.8       |
| 5    | 151.9      |
| 6    | 93.9       |
| 7    | 104.1      |
| 8    | 66.5       |
| 9    | 55.4       |
| 10   | 132.9      |
| 11   | 93.8       |
| 12   | 37.2       |
| 13   | 59.4       |
| 14   | 80.8       |
| 15   | 58.7       |
| 16   | 50.0       |
| 17   | 40.9       |
| 18   | 99.0       |
| 19   | 44.3       |
| 20   | 93.4       |
| 21   | 64.0       |
| 22   | 122.7      |
| 23   | 70.6       |
| 24   | 65.0       |
| 25   | 60.1       |
| 26   | 54.9       |
| 27   | 85.2       |
| 28   | 30.2       |
| 29   | 135.5      |
| 30   | 42.8       |
| 31   | 109.5      |
| 32   | 127.8      |
| 33   | 33.9       |
| 34   | 70.5       |
| 35   | 125.7      |

|    |       |
|----|-------|
| 36 | 103.5 |
| 37 | 82.8  |
| 38 | 154.2 |
| 39 | 30.0  |
| 40 | 33.3  |
| 41 | 79.5  |
| 42 | 153.8 |
| 43 | 113.2 |
| 44 | 138.6 |
| 45 | 146.4 |
| 46 | 108.7 |
| 47 | 54.4  |
| 56 | 47.5  |
| 57 | 75.0  |
| 58 | 140.6 |
| 59 | 168.6 |
| 60 | 76.0  |
| 61 | 23.0  |
| 62 | 90.6  |
| 63 | 187.6 |
| 64 | 101.1 |
| 65 | 82.8  |
| 66 | 18.6  |

MES DE JUNIO

MEDIA DE X 1= 1348.7500

DESV. TIPICA= 522.8464

MEDIA DE X 2= 1598.7500

DESV. TIPICA= 512.5045

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .78986595

COEF. DE CORRELACION PARCIALES

1 2 .78986595

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .80580      | .25542            |

TERMINO CONSTANTE= 60.4696

COEF. CORRELACION MULTIPLE R 1= .78986595

ERROR STAND. DE ESTIMACION S 1= 370.2559

NANO ESTIMACION



VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .77424      | .24541            |

TERMINO CONSTANTE= 554.4905

COEF. CORRELACION MULTIPLE R 2= .78986595

ERROR STAND. DE ESTIMACION S 2= 362.9322

| NANO | ESTIMACION |
|------|------------|
| 1    | 114.9      |
| 2    | 144.4      |
| 3    | 140.1      |
| 4    | 129.3      |
| 5    | 103.2      |
| 6    | 197.4      |
| 7    | 122.1      |
| 8    | 125.8      |
| 9    | 125.1      |
| 10   | 158.8      |
| 11   | 181.4      |
| 12   | 144.6      |
| 13   | 116.0      |
| 14   | 157.0      |
| 15   | 154.7      |
| 16   | 117.3      |
| 17   | 195.6      |
| 18   | 122.9      |
| 19   | 150.5      |
| 20   | 157.3      |
| 21   | 233.6      |
| 22   | 109.2      |
| 23   | 88.4       |
| 24   | 112.9      |
| 25   | 133.8      |
| 26   | 111.5      |
| 27   | 147.0      |
| 28   | 158.5      |
| 29   | 103.3      |
| 30   | 134.7      |
| 31   | 156.6      |
| 32   | 124.2      |
| 33   | 109.4      |
| 34   | 68.8       |
| 35   | 80.2       |

|    |       |
|----|-------|
| 36 | 139.7 |
| 37 | 133.5 |
| 38 | 97.4  |
| 39 | 103.2 |
| 40 | 116.5 |
| 41 | 113.5 |
| 42 | 165.7 |
| 43 | 90.2  |
| 44 | 142.6 |
| 45 | 185.6 |
| 46 | 123.6 |
| 47 | 131.7 |
| 56 | 113.4 |
| 57 | 123.6 |
| 58 | 257.2 |
| 59 | 99.8  |
| 60 | 129.6 |
| 61 | 89.8  |
| 62 | 166.8 |
| 63 | 169.3 |
| 64 | 208.1 |
| 65 | 151.8 |
| 66 | 66.4  |

MES DE JULIO

MEDIA DE X 1= 1056.2500

DESV. TIPICA= 418.8590

MEDIA DE X 2= 1146.2500

DESV. TIPICA= 451.3296

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .89434929

COEF. DE CORRELACION PARCIALES

1 2 .89434929

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

.83000

.16949

TERMINO CONSTANTE= 104.8555

COEF. CORRELACION MULTIPLE R 1= .89434929

ERROR STAND. DE ESTIMACION S 1= 216.3732

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .96368      | .19679            |

TERMINO CONSTANTE= 128.3624

COEF. CORRELACION MULTIPLE R 2= .89434929

ERROR STAND. DE ESTIMACION S 2= 233.1467

| NANO | ESTIMACION |
|------|------------|
| 1    | 198.7      |
| 2    | 102.6      |
| 3    | 138.1      |
| 4    | 85.6       |
| 5    | 125.4      |
| 6    | 134.4      |
| 7    | 190.5      |
| 8    | 77.4       |
| 9    | 106.5      |
| 10   | 41.6       |
| 11   | 160.9      |
| 12   | 146.4      |
| 13   | 76.6       |
| 14   | 46.0       |
| 15   | 87.0       |
| 16   | 135.0      |
| 17   | 149.2      |
| 18   | 147.4      |
| 19   | 74.4       |
| 20   | 107.7      |
| 21   | 104.4      |
| 22   | 52.3       |
| 23   | 99.3       |
| 24   | 159.5      |
| 25   | 60.3       |
| 26   | 141.5      |
| 27   | 145.9      |
| 28   | 122.6      |
| 29   | 53.4       |
| 30   | 73.0       |
| 31   | 236.6      |
| 32   | 153.8      |
| 33   | 203.2      |
| 34   | 47.2       |
| 35   | 77.7       |

|    |       |
|----|-------|
| 36 | 133.8 |
| 37 | 61.2  |
| 38 | 97.3  |
| 39 | 41.2  |
| 40 | 96.1  |
| 41 | 104.3 |
| 42 | 75.5  |
| 43 | 73.2  |
| 44 | 95.7  |
| 45 | 56.5  |
| 46 | 75.3  |
| 47 | 127.6 |
| 56 | 94.7  |
| 57 | 67.0  |
| 58 | 152.6 |
| 59 | 104.1 |
| 60 | 122.5 |
| 61 | 174.3 |
| 62 | 99.8  |
| 63 | 100.0 |
| 64 | 160.8 |
| 65 | 201.0 |
| 66 | 23.2  |

MES DE AGOSTO

MEDIA DE X 1= 1060.8750

DESV. TIPICA= 428.6526

MEDIA DE X 2= 1096.2500

DESV. TIPICA= 411.0941

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .83020420

COEF. DE CORRELACION PARCIALES

1 2 .83020420

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

.86566

.23730

TERMINO CONSTANTE= 111.8913

COEF. CORRELACION MULTIPLE R 1= .83020420

ERROR STAND. DE ESTIMACION S 1= 275.9231

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .79619      | .21825            |

TERMINO CONSTANTE= 251.5841

COEF. CORRELACION MULTIPLE R 2= .83020420

ERROR STAND. DE ESTIMACION S 2= 264.6207

| NANO | ESTIMACION |
|------|------------|
| 1    | 120.1      |
| 2    | 85.2       |
| 3    | 125.5      |
| 4    | 124.2      |
| 5    | 118.9      |
| 6    | 107.5      |
| 7    | 89.8       |
| 8    | 99.8       |
| 9    | 150.4      |
| 10   | 100.5      |
| 11   | 164.3      |
| 12   | 106.7      |
| 13   | 97.0       |
| 14   | 72.9       |
| 15   | 119.2      |
| 16   | 159.6      |
| 17   | 83.5       |
| 18   | 120.3      |
| 19   | 108.2      |
| 20   | 88.5       |
| 21   | 142.9      |
| 22   | 87.9       |
| 23   | 84.6       |
| 24   | 147.8      |
| 25   | 162.8      |
| 26   | 160.8      |
| 27   | 93.6       |
| 28   | 225.8      |
| 29   | 76.4       |
| 30   | 67.4       |
| 31   | 84.3       |
| 32   | 196.3      |
| 33   | 160.2      |
| 34   | 61.5       |
| 35   | 124.6      |

|    |       |
|----|-------|
| 36 | 67.6  |
| 37 | 97.2  |
| 38 | 199.1 |
| 39 | 132.3 |
| 40 | 111.0 |
| 41 | 85.5  |
| 42 | 74.2  |
| 43 | 73.4  |
| 44 | 126.6 |
| 45 | 71.3  |
| 46 | 128.5 |
| 47 | 132.4 |
| 56 | 121.8 |
| 57 | 84.0  |
| 58 | 167.5 |
| 59 | 69.9  |
| 60 | 168.3 |
| 61 | 120.8 |
| 62 | 152.1 |
| 63 | 99.2  |
| 64 | 153.5 |
| 65 | 113.3 |
| 66 | 33.2  |



MES DE SEPTIEMBRE

MEDIA DE X 1= 972.3750

DESV. TIPICA= 400.8970

MEDIA DE X 2= 1088.7500

DESV. TIPICA= 448.6490

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .91467562

COEF. DE CORRELACION PARCIALES

1 2 .91467562

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .81732      | .14744            |

TERMINO CONSTANTE= 82.5154

COEF. CORRELACION MULTIPLE R 1= .91467562

ERROR STAND. DE ESTIMACION S 1= 187.1054

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | 1.02362     | .18466            |

TERMINO CONSTANTE= 93.4025

COEF. CORRELACION MULTIPLE R 2= .91467562

ERROR STAND. DE ESTIMACION S 2= 209.3920

| NANO | ESTIMACION |
|------|------------|
| 1    | 86.5       |
| 2    | 191.5      |
| 3    | 77.0       |
| 4    | 94.0       |
| 5    | 121.6      |
| 6    | 122.7      |
| 7    | 58.0       |
| 8    | 221.1      |
| 9    | 44.6       |
| 10   | 68.4       |
| 11   | 55.6       |
| 12   | 97.8       |
| 13   | 125.6      |
| 14   | 50.0       |
| 15   | 182.7      |
| 16   | 187.8      |
| 17   | 91.2       |
| 18   | 36.7       |
| 19   | 119.9      |
| 20   | 223.7      |
| 21   | 164.5      |
| 22   | 121.3      |
| 23   | 86.7       |
| 24   | 267.1      |
| 25   | 142.8      |
| 26   | 133.0      |
| 27   | 304.2      |
| 28   | 79.0       |
| 29   | 118.8      |
| 30   | 149.4      |
| 31   | 88.7       |
| 32   | 93.3       |
| 33   | 197.3      |
| 34   | 79.5       |
| 35   | 51.1       |

|    |       |
|----|-------|
| 36 | 77.0  |
| 37 | 93.9  |
| 38 | 181.4 |
| 39 | 50.5  |
| 40 | 58.9  |
| 41 | 133.5 |
| 42 | 185.4 |
| 43 | 141.5 |
| 44 | 139.1 |
| 45 | 78.7  |
| 46 | 132.1 |
| 47 | 71.9  |
| 56 | 72.1  |
| 57 | 119.9 |
| 58 | 155.1 |
| 59 | 111.8 |
| 60 | 104.9 |
| 61 | 123.0 |
| 62 | 77.9  |
| 63 | 171.2 |
| 64 | 119.7 |
| 65 | 91.7  |
| 66 | 16.3  |

MES DE OCTUBRE

MEDIA DE X 1= 1540.8750

DESV. TIPICA= 907.9386

MEDIA DE X 2= 1516.2500

DESV. TIPICA= 882.7504

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .97837444

COEF. DE CORRELACION PARCIALES

1 2 .97837444

VARIABLE DEPENDIENTE X 1

VARIABLES COEF. REGR. ERROR COEF. REGR.

1 2 1.00629 .08685

TERMINO CONSTANTE= 15.0860

COEF. CORRELACION MULTIPLE R 1= .97837444

ERROR STAND. DE ESTIMACION S 1= 216.8521

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .95123      | .08210            |

TERMINO CONSTANTE= 50.5200

COEF. CORRELACION MULTIPLE R 2= .97837444

ERROR STAND. DE ESTIMACION S 2= 210.8362

| NANO | ESTIMACION |
|------|------------|
| 1    | 139.5      |
| 2    | 54.9       |
| 3    | 120.7      |
| 4    | 76.2       |
| 5    | 62.9       |
| 6    | 132.3      |
| 7    | 105.0      |
| 8    | 113.3      |
| 9    | 126.2      |
| 10   | 62.6       |
| 11   | 63.3       |
| 12   | 57.0       |
| 13   | 74.9       |
| 14   | 38.5       |
| 15   | 119.2      |
| 16   | 60.6       |
| 17   | 64.5       |
| 18   | 92.1       |
| 19   | 96.2       |
| 20   | 46.8       |
| 21   | 139.9      |
| 22   | 134.4      |
| 23   | 124.5      |
| 24   | 193.7      |
| 25   | 100.6      |
| 26   | 181.7      |
| 27   | 68.9       |
| 28   | 129.8      |
| 29   | 52.6       |
| 30   | 165.7      |
| 31   | 136.8      |
| 32   | 158.6      |
| 33   | 136.5      |
| 34   | 173.7      |
| 35   | 53.5       |

|    |       |
|----|-------|
| 36 | 220.1 |
| 37 | 53.1  |
| 38 | 134.5 |
| 39 | 79.9  |
| 40 | 130.4 |
| 41 | 85.5  |
| 42 | 188.5 |
| 43 | 131.1 |
| 44 | 62.2  |
| 45 | 112.6 |
| 46 | 105.7 |
| 47 | 65.5  |
| 56 | 75.1  |
| 57 | 114.5 |
| 58 | 60.5  |
| 59 | 78.3  |
| 60 | 60.0  |
| 61 | 63.6  |
| 62 | 87.0  |
| 63 | 68.4  |
| 64 | 101.5 |
| 65 | 68.5  |
| 66 | 20.8  |

MES DE NOVIEMBRE

MEDIA DE X 1= 850.7500

DESV. TIPICA= 366.1409

MEDIA DE X 2= 846.2500

DESV. TIPICA= 386.3268

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .86616469

COEF. DE CORRELACION PARCIALES

1 2 .86616469

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .82090      | .19336            |

TERMINO CONSTANTE= 156.0575

COEF. CORRELACION MULTIPLE R 1= .86616469

ERROR STAND. DE ESTIMACION S 1= 211.2895

NANO

ESTIMACION



VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .91391      | .21527            |

TERMINO CONSTANTE= 68.7345

COEF. CORRELACION MULTIPLE R 2= .86616469

ERROR STAND. DE ESTIMACION S 2= 222.9382

| NANO | ESTIMACION |
|------|------------|
| 1    | 123.9      |
| 2    | 31.5       |
| 3    | 83.3       |
| 4    | 45.1       |
| 5    | 152.7      |
| 6    | 57.8       |
| 7    | 80.5       |
| 8    | 60.2       |
| 9    | 95.9       |
| 10   | 86.1       |
| 11   | 84.7       |
| 12   | 81.0       |
| 13   | 87.2       |
| 14   | 50.1       |
| 15   | 28.3       |
| 16   | 140.0      |
| 17   | 33.1       |
| 18   | 47.0       |
| 19   | 119.3      |
| 20   | 78.6       |
| 21   | 139.9      |
| 22   | 75.8       |
| 23   | 60.7       |
| 24   | 145.6      |
| 25   | 45.9       |
| 26   | 130.5      |
| 27   | 205.2      |
| 28   | 138.0      |
| 29   | 68.4       |
| 30   | 134.9      |
| 31   | 143.5      |
| 32   | 125.7      |
| 33   | 140.2      |
| 34   | 29.6       |
| 35   | 97.4       |

|    |       |
|----|-------|
| 36 | 89.8  |
| 37 | 94.2  |
| 38 | 146.8 |
| 39 | 95.3  |
| 40 | 82.4  |
| 41 | 40.3  |
| 42 | 82.3  |
| 43 | 91.6  |
| 44 | 181.5 |
| 45 | 41.5  |
| 46 | 23.3  |
| 47 | 35.6  |
| 56 | 39.7  |
| 57 | 51.4  |
| 58 | 38.9  |
| 59 | 89.0  |
| 60 | 118.2 |
| 61 | 91.7  |
| 62 | 64.5  |
| 63 | 92.7  |
| 64 | 54.6  |
| 65 | 55.9  |
| 66 | 24.2  |

MES DE DICIEMBRE

MEDIA DE X 1= 557.2500

DESV. TIPICA= 349.6758

MEDIA DE X 2= 490.0000

DESV. TIPICA= 260.0480

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .95559865

COEF. DE CORRELACION PARCIALES

1 2 .95559865

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

1.28495

.16176

TERMINO CONSTANTE= -72.3773

COEF. CORRELACION MULTIPLE R 1= .95559865

ERROR STAND. DE ESTIMACION S 1= 118.9797

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .71066      | .08946            |

TERMINO CONSTANTE= 93.9831

COEF. CORRELACION MULTIPLE R 2= .95559865

ERROR STAND. DE ESTIMACION S 2= 88.4832

| NANO | ESTIMACION |
|------|------------|
| 1    | 36.4       |
| 2    | 57.9       |
| 3    | 70.3       |
| 4    | 18.1       |
| 5    | 51.1       |
| 6    | 76.3       |
| 7    | 16.2       |
| 8    | 38.6       |
| 9    | 110.4      |
| 10   | 30.1       |
| 11   | 37.1       |
| 12   | 31.5       |
| 13   | 40.3       |
| 14   | 26.9       |
| 15   | 13.3       |
| 16   | 39.3       |
| 17   | 81.8       |
| 18   | 17.0       |
| 19   | 12.7       |
| 20   | 22.6       |
| 21   | 73.8       |
| 22   | 43.2       |
| 23   | 56.3       |
| 24   | 15.0       |
| 25   | 17.2       |
| 26   | 92.9       |
| 27   | 37.4       |
| 28   | 38.3       |
| 29   | 14.5       |
| 30   | 22.1       |
| 31   | 32.5       |
| 32   | 64.8       |
| 33   | 103.2      |
| 34   | 27.0       |
| 35   | 36.0       |

|    |      |
|----|------|
| 36 | 29.9 |
| 37 | 25.1 |
| 38 | 86.9 |
| 39 | 30.2 |
| 40 | 24.3 |
| 41 | 11.2 |
| 42 | 56.0 |
| 43 | 37.3 |
| 44 | 22.3 |
| 45 | 22.4 |
| 46 | 37.4 |
| 47 | 18.1 |
| 56 | 54.6 |
| 57 | 18.2 |
| 58 | 12.6 |
| 59 | 14.9 |
| 60 | 67.5 |
| 61 | 36.8 |
| 62 | 38.1 |
| 63 | 18.9 |
| 64 | 30.6 |
| 65 | 13.5 |
| 66 | 13.0 |

| *  | EL HATILLO |        |        | EDO.MIRANDA |        | INOS   |
|----|------------|--------|--------|-------------|--------|--------|
|    | .9         | .9     | .9     | .9          | 24.6   | 723.0  |
| 56 | 932.0      | 1625.0 | 1043.0 | 1052.0      | 647.0  | 1125.0 |
| 57 | 349.0      | 171.0  | 0.0    | 206.0       | 828.0  | 1904.0 |
|    | 1503.0     | 1219.0 | 1067.0 | 601.0       | 1082.0 | 363.0  |
| 58 | 90.0       | 133.0  | 10.0   | 326.0       | 1057.0 | 3257.0 |
|    | 2439.0     | 1088.0 | 219.0  | 791.0       | 780.0  | 119.0  |
| 59 | 18.0       | 12.0   | 8.0    | 24.0        | 1112.0 | 1281.0 |
|    | 1215.0     | 1209.0 | 730.0  | 807.0       | 742.0  | 50.0   |
| 60 | 34.0       | 14.0   | 0.0    | 728.0       | 892.0  | 1633.0 |
|    | 1869.0     | 2599.0 | 1262.0 | 160.0       | 1318.0 | 435.0  |
| 61 | 148.0      | 166.0  | 2.0    | 52.0        | 71.0   | 1103.0 |
|    | 2107.0     | 1701.0 | 1374.0 | 1394.0      | 715.0  | 89.0   |
| 62 | 74.0       | 81.0   | 155.0  | 12.0        | 1573.0 | 1981.0 |
|    | 1498.0     | 1313.0 | 948.0  | 867.0       | 663.0  | 459.0  |
| 63 | 131.0      | 190.0  | 402.0  | 486.0       | 2804.4 | 2842.5 |
|    | 1294.0     | 452.0  | 1104.0 | 819.0       | 386.0  | 328.0  |
| 64 | 104.0      | 6.0    | 79.0   | 66.0        | 377.0  | 2248.0 |
|    | 1533.0     | 1158.0 | 791.0  | 1080.0      | 313.0  | 417.0  |
| 65 | 835.0      | 604.0  | 50.0   | 41.0        | 700.0  | 2592.0 |
|    | 3074.0     | 1584.0 | 819.0  | 889.0       | 772.0  | 321.0  |
| 66 | 375.0      | 73.0   | 2.0    | 409.0       | 714.0  | 4486.0 |
|    | 2048.0     | 726.0  | 1328.0 | 817.0       | 1175.0 | 570.0  |
|    |            |        |        |             |        |        |
| *  | LAS MARIAS |        |        | EDO.MIRANDA |        | INOS   |
|    | .9         | .9     | .9     | .9          | .9     | .9     |
| 66 | 811.6      | 555.0  | 925.0  | 1314.0      | 869.0  | 608.0  |

MES DE ENERO

NUMERO DE ANOS COMUNES= 0 MENOR QUE NUMERO DE ESTACIONES= 2

| *  | CARACAS EDIF. LA PAZ |        |        | DTO.FEDERAL |        | INOS   |
|----|----------------------|--------|--------|-------------|--------|--------|
|    |                      |        |        |             |        |        |
| 47 | .9                   | .9     | .9     | 200.2       | 1070.0 | 1370.0 |
|    | 1360.0               | 1510.0 | 800.0  | 610.0       | 300.0  | 220.0  |
| 48 | 110.0                | 10.0   | 260.0  | 930.0       | 680.0  | 1720.0 |
|    | 1510.0               | 1620.6 | 870.0  | 340.0       | 520.0  | 80.6   |
| 49 | 0.0                  | 190.0  | 20.0   | .9          | .9     | .9     |
|    | .9                   | .9     | .9     | .9          | .9     | .9     |
| 50 | .9                   | .9     | .9     | 240.0       | 1220.0 | 2200.0 |
|    | 610.0                | 1580.0 | 790.0  | 1930.0      | 1600.0 | 370.0  |
| 51 | 310.0                | 1690.0 | 530.0  | 610.0       | 520.0  | 920.0  |
|    | 1150.0               | 500.0  | 700.0  | 500.0       | 1340.0 | 740.0  |
| 52 | 0.0                  | 0.0    | 30.0   | 660.0       | 1470.0 | 620.0  |
|    | 980.0                | 1140.0 | 1200.0 | 1080.0      | 1210.0 | 670.0  |
| 53 | 290.0                | 330.0  | 30.0   | 530.0       | 1380.0 | 1000.0 |
|    | 1010.0               | 680.0  | 1690.0 | 700.0       | 760.0  | 320.0  |
| 54 | 150.0                | 70.0   | 240.0  | 950.0       | 500.0  | 1560.0 |
|    | 1810.0               | 910.0  | 1150.0 | 3300.0      | 530.0  | 1360.0 |
| 55 | 420.0                | 60.0   | 70.0   | 530.0       | 380.0  | 2120.0 |
|    | 1470.0               | 950.0  | 1730.0 | 2020.0      | 1240.0 | 130.0  |
| 56 | 820.0                | 40.0   | 250.0  | 60.0        | 510.0  | 660.0  |
|    | 800.0                | 1840.0 | 770.0  | 830.0       | 390.0  | 790.0  |
| 57 | 250.0                | 0.0    | 0.0    | 510.0       | 570.0  | 970.0  |
|    | 610.0                | 980.0  | 950.0  | 1130.0      | 590.0  | 180.0  |
| 58 | 90.0                 | 20.0   | 10.0   | .9          | .9     | .9     |
|    | .9                   | .9     | .9     | .9          | .9     | .9     |
| 62 | 110.6                | 8.0    | 97.0   | 15.0        | 708.0  | 1255.0 |
|    | 713.0                | 1313.0 | 318.0  | 1060.6      | 541.6  | 400.0  |
| 63 | 299.0                | 0.0    | 112.0  | 400.0       | 2061.0 | 1382.0 |
|    | 664.0                | 545.0  | 1090.0 | 902.0       | 1068.0 | 85.0   |
| 64 | 16.0                 | 0.0    | 0.0    | 119.0       | 455.0  | 1449.0 |
|    | 1737.0               | 1374.0 | 554.0  | 909.0       | 543.0  | 75.6   |
| 65 | 368.0                | 249.0  | 0.0    | 4.0         | 668.0  | 1209.0 |
|    | 1617.0               | 1961.0 | 508.0  | 211.0       | 469.0  | 51.6   |
| 66 | 211.0                | 202.0  | 0.0    | 1010.0      | 718.0  | 1602.0 |
|    | 1149.0               | 607.0  | 792.0  | 1825.0      | 1146.0 | 511.6  |

| *  | CARACAS JARDIN BOTANICO |        |        | DTO.FEDERAL |        | MOP    |
|----|-------------------------|--------|--------|-------------|--------|--------|
|    |                         |        |        |             |        |        |
| 57 | 150.0                   | 10.0   | 0.0    | 270.0       | 340.0  | 1170.0 |
|    | 720.0                   | 980.0  | 1170.0 | 980.0       | 720.0  | 80.0   |
| 58 | 60.0                    | 40.0   | 10.0   | 150.0       | 1240.0 | 2850.0 |
|    | 1430.0                  | 1390.0 | 790.0  | 570.0       | 340.0  | 80.0   |
| 59 | 0.0                     | 0.0    | 0.0    | 20.0        | 1140.0 | 680.0  |
|    | 1060.0                  | 630.0  | 1310.0 | 740.0       | 40.0   | 40.0   |
| 60 | 120.0                   | 40.0   | 40.0   | 1180.0      | 650.0  | 1120.0 |
|    | 1420.0                  | 1770.0 | 1010.0 | 290.0       | 1210.0 | 860.0  |
| 61 | 20.0                    | 50.0   | 70.0   | 20.0        | 140.0  | 490.0  |
|    | 1740.0                  | 1210.0 | 1990.0 | 630.0       | 1030.0 | 660.0  |
| 62 | 220.0                   | 10.0   | 60.0   | 10.0        | 690.0  | 1530.0 |
|    | 700.0                   | 1680.0 | 480.0  | 0.0         | 0.0    | 0.0    |

| *  |        | CARACAS | LA SALLE | DTO.FEDERAL  | INOS   |
|----|--------|---------|----------|--------------|--------|
| 60 | .9     | .9      | .9       | .9 95.6      | 1992.0 |
|    | 1563.0 | 999.6   | 966.0    | 354.0 1812.0 | 1117.0 |
| 61 | 37.0   | 106.0   | 5.0      | 22.0 324.0   | 449.0  |
|    | 1610.0 | 1249.0  | 1898.0   | 863.0 916.0  | 10.0   |
| 62 | 71.0   | 4.0     | 49.0     | 6.0 924.0    | 1725.0 |
|    | 926.0  | 1621.0  | 388.0    | 809.0 658.0  | 562.0  |
| 63 | 201.0  | 47.0    | 91.0     | 539.0 2101.0 | 1625.0 |
|    | 906.0  | 643.0   | 1072.0   | 576.0 1262.0 | 189.0  |
| 64 | 32.0   | 0.0     | 2.0      | 326.0 301.0  | 1968.0 |
|    | 1883.0 | 1286.0  | 1057.0   | 1174.0 362.0 | 150.0  |
| 65 | 512.0  | 215.0   | 0.0      | 74.0 640.0   | 1377.0 |
|    | 1835.0 | 1983.0  | 546.0    | 285.0 696.0  | 91.0   |
| 66 | 218.0  | 16.0    | 0.0      | 867.0 772.0  | 1594.0 |
|    | 1315.0 | 614.0   | 1239.0   | 613.4 374.6  | 243.6  |

MES DE ENERO

NUMERO DE ANOS COMUNES= 2 MENOR QUE NUMERO DE ESTACIONES= 3



| *  | BARUTA      |        |        | EDO.MIRANDA |        | INOS   |
|----|-------------|--------|--------|-------------|--------|--------|
|    | .9          | .9     | .9     | .9          | .9     |        |
| 52 | 1560.0      | 860.0  | 1380.0 | 770.0       | 490.0  | 540.0  |
| 53 | 350.0       | 70.0   | 30.0   | 860.0       | 760.0  | 640.0  |
| 54 | 1080.0      | 740.0  | 1360.0 | 140.0       | 1420.0 | 1140.0 |
| 55 | 10.0        | 70.0   | 280.0  | 580.0       | 70.0   | 630.0  |
| 56 | 1180.0      | 1180.0 | 680.0  | 950.0       | 480.0  | 1160.0 |
| 57 | 310.0       | 10.0   | 70.0   | 2010.0      | 860.0  | 1150.0 |
| 58 | 1700.0      | 800.0  | 1260.0 | 300.0       | 1050.0 | 1870.0 |
| 59 | 880.0       | 60.0   | 270.0  | 2140.0      | 1170.0 | 190.0  |
| 60 | 840.0       | 1330.0 | 680.0  | 40.0        | 680.0  | 850.0  |
| 61 | 80.0        | 50.0   | 0.0    | 960.0       | 470.0  | 1200.0 |
| 62 | 1020.0      | 1130.0 | 1010.0 | 260.0       | 1220.0 | 890.0  |
| 63 | 35.0        | 46.0   | 0.0    | 940.0       | 1130.0 | 100.0  |
| 64 | 1939.0      | 1627.0 | 772.0  | 278.0       | 1071.0 | 2592.0 |
| 65 | 21.0        | 14.0   | 4.0    | 880.0       | 462.0  | 250.0  |
| 66 | 1080.0      | 1321.0 | 567.0  | 640.0       | 982.0  | 921.0  |
| 67 | 16.0        | 111.0  | 25.0   | 612.0       | 761.0  | 51.0   |
| 68 | 1443.0      | 2247.0 | 509.0  | 1092.0      | 649.0  | 1373.0 |
| 69 | 53.0        | 82.0   | 0.0    | 234.0       | 1088.0 | 750.0  |
| 70 | 2251.0      | 1068.0 | 1632.0 | 70.0        | 65.0   | 921.0  |
| 71 | 184.0       | 60.0   | 45.0   | 922.0       | 829.0  | 255.0  |
| 72 | 1333.0      | 1194.0 | 1235.0 | 43.0        | 1444.0 | 1692.0 |
| 73 | 294.0       | 63.0   | 333.0  | 1646.0      | 548.0  | 336.0  |
| 74 | 729.0       | 173.0  | 679.0  | 513.0       | 2103.0 | 1775.0 |
| 75 | 24.0        | 6.0    | 8.0    | 1030.0      | 1413.0 | 291.0  |
| 76 | 1735.0      | 1104.0 | 718.0  | 28.0        | 458.0  | 1837.0 |
| 77 | 343.0       | 459.0  | 18.0   | 860.0       | 263.0  | 129.0  |
| 78 | 2478.0      | 1794.0 | 558.0  | 57.0        | 411.0  | 2606.0 |
| 79 | 599.0       | 119.0  | 0.0    | 503.0       | 759.0  | 167.0  |
| 80 | 1562.0      | 786.0  | 627.0  | 380.4       | 892.5  | 2907.0 |
|    |             |        |        | 929.0       | 518.0  | 620.0  |
| *  | LA GUAIRITA |        |        | EDO.MIRANDA |        | INOS   |
|    | .9          | .9     | .9     | .9          | .9     |        |
| 58 | .9          | .9     | .9     | .9          | .9     | .9     |
| 59 | 15.0        | 20.6   | 0.0    | 237.0       | 396.0  | 162.0  |
| 60 | 969.0       | 537.0  | 572.0  | 228.0       | 1084.0 | 526.0  |
| 61 | 81.0        | 27.0   | 6.0    | 871.0       | 854.0  | 68.0   |
| 62 | 1545.0      | 1915.0 | 830.6  | 753.0       | 862.0  | 1423.0 |
| 63 | 35.0        | 69.0   | 0.0    | 227.0       | 1311.0 | 601.0  |
| 64 | 1631.0      | 1162.0 | 1389.0 | 128.0       | 81.0   | 752.0  |
|    |             |        |        | 919.0       | 911.0  | 163.0  |

|                                    |        |        |       |       |        |        |
|------------------------------------|--------|--------|-------|-------|--------|--------|
| 62                                 | 303.0  | 8.0    | 149.0 | 51.0  | 1434.0 | 2031.0 |
|                                    | 1067.0 | 572.0  | 773.0 | 794.0 | 516.0  | 328.0  |
| 63                                 | 356.0  | 192.0  | 171.0 | 364.0 | 1762.0 | 1408.0 |
|                                    | 463.0  | 325.0  | 711.0 | 964.0 | 1195.0 | 295.0  |
| 64                                 | 26.0   | 10.0   | 8.0   | 41.0  | 488.0  | 1916.0 |
|                                    | 1304.0 | 885.0  | 399.0 | 744.0 | 512.0  | 162.0  |
| 65                                 | 733.0  | 254.0  | 16.0  | 60.0  | 275.0  | 1392.0 |
|                                    | 2386.0 | 1653.0 | 622.0 | 398.0 | 814.0  | 167.0  |
| 66                                 | 423.0  | 104.0  | 2.0   | 382.0 | 817.0  | 2777.0 |
|                                    | 1260.0 | 635.0  | 595.0 | 756.0 | 635.0  | 959.0  |
| * PRADOS DEL ESTE EDO.MIRANDA INOS |        |        |       |       |        |        |
| 66                                 | 604.0  | 81.0   | 0.0   | 382.0 | 719.0  | 2613.0 |
|                                    | 1798.0 | 708.0  | 380.0 | 982.0 | 992.0  | 502.0  |

MES DE ENERO

NUMERO DE ANOS COMUNES= 1 MENOR QUE NUMERO DE ESTACIONES= 3

| *  | SAN DIEGO MIRANDA |        |        | EDO.MIRANDA |        | INOS   |
|----|-------------------|--------|--------|-------------|--------|--------|
|    | .9                | .9     | .9     | .9          | .9     |        |
| 51 | 2112.0            | 1590.0 | 1974.0 | 402.0       | 1196.0 | 230.6  |
| 52 | 29.0              | 4.0    | 198.0  | 1175.0      | 1529.0 | 874.0  |
|    | 3028.0            | 2649.0 | 1881.0 | 927.0       | 437.0  | 2025.0 |
| 53 | 852.0             | 367.0  | 43.0   | 619.0       | 2932.0 | 567.0  |
|    | 2392.0            | 1552.0 | 1857.0 | 1358.0      | 457.0  | 2159.0 |
| 54 | 71.0              | 86.6   | 26.0   | 1292.0      | 1306.0 | 603.6  |
|    | 2433.0            | 1472.0 | 1575.0 | 4562.0      | 1102.0 | 1784.0 |
| 55 | 449.0             | 82.0   | 295.0  | 471.0       | 681.0  | 456.0  |
|    | 1487.0            | 1037.0 | 1873.0 | 2775.0      | 1013.0 | 3399.0 |
| 56 | 960.0             | 215.0  | 671.0  | 22.0        | 2087.0 | 463.0  |
|    | 1429.0            | 2548.0 | 1282.0 | 1296.0      | 612.0  | 1877.0 |
| 57 | 267.0             | 146.0  | 4.0    | 161.0       | 540.0  | 1506.0 |
|    | 1803.0            | 2318.0 | 773.0  | 1111.0      | 1363.0 | 2230.0 |
| 58 | 111.0             | 115.0  | 4.0    | 585.0       | 1033.0 | 325.0  |
|    | 1887.0            | 1282.0 | 1302.0 | 666.0       | 898.0  | 2540.0 |
| 59 | 44.0              | 16.0   | 4.0    | 61.0        | 1562.6 | 238.0  |
|    | 2115.0            | 2386.0 | 1326.0 | 1482.0      | 999.0  | 1141.0 |
| 60 | 32.0              | 10.0   | 0.0    | 1030.0      | 1212.0 | 223.0  |
|    | 1852.0            | 2935.0 | 1387.0 | 1649.0      | 1369.0 | 1547.0 |
| 61 | 203.0             | 112.0  | 4.0    | 111.0       | 261.0  | 1154.0 |
|    | 3336.0            | 1780.0 | 2392.0 | 1438.0      | 2308.0 | 938.0  |
| 62 | 141.0             | 170.0  | 136.0  | 2.0         | 880.0  | 260.0  |
|    | 1564.0            | 1500.0 | 1398.0 | 1732.0      | 444.0  | 2200.0 |
| 63 | 396.0             | 59.0   | 967.0  | 373.0       | 3226.0 | 220.0  |
|    | 1092.0            | 1097.0 | 2202.0 | 1405.0      | 620.0  | 3301.0 |
| 64 | 116.0             | 20.0   | 54.0   | 8.0         | 849.0  | 328.0  |
|    | 1991.0            | 1401.0 | 1579.0 | 822.0       | 453.0  | 2202.0 |
| 65 | 558.0             | 588.0  | 2.0    | 20.0        | 759.4  | 323.0  |
|    | 2250.0            | 2681.0 | 564.0  | 1185.0      | 1840.0 | 3014.5 |
| 66 | 502.0             | 150.0  | 4.0    | 467.0       | 1049.0 | 451.0  |
|    | 3056.0            | 1156.0 | 1197.0 | 1524.4      | 2072.5 | 3719.0 |
|    |                   |        |        |             |        | 780.0  |
| *  | ALTOS DE PIPE     |        |        | EDO.MIRANDA |        | INOS   |
|    |                   |        |        |             |        |        |
| 56 | 831.6             | 257.6  | 616.0  | 50.0        | 1009.0 | 1177.0 |
|    | 1352.0            | 1750.0 | 852.0  | 2352.0      | 727.0  | 1250.0 |
| 57 | 350.0             | 228.0  | 2.0    | 542.0       | 691.0  | 1560.0 |
|    | 1718.0            | 1655.0 | 1457.0 | 1018.0      | 1414.0 | 367.0  |
| 58 | 66.6              | 176.0  | 36.0   | 108.6       | 769.6  | 1944.0 |
|    | 1854.0            | 599.6  | .8     | .8          | .8     | .8     |
| 59 | .8                | .8     | .8     | .8          | .8     | 1033.6 |
|    | 993.0             | 1594.0 | 743.0  | 1038.0      | 851.0  | 173.0  |
| 60 | 235.0             | 355.0  | 20.0   | 526.0       | 974.0  | 1783.0 |
|    | 1659.0            | 2262.0 | 872.0  | 913.0       | 983.0  | 873.0  |
| 61 | 147.0             | 119.0  | 46.0   | 104.0       | 111.0  | 805.0  |
|    | 2465.0            | 1218.0 | 1276.0 | 943.0       | 983.0  | 462.0  |
| 62 | 172.0             | 216.0  | 238.0  | 67.0        | 1195.0 | 1614.0 |
|    | 1656.0            | 1037.0 | 1019.0 | 1120.0      | 510.0  | 532.0  |
| 63 | 233.4             | 167.4  | 395.5  | 344.0       | 3415.4 | 2380.5 |
|    | 1053.0            | 679.0  | 1551.0 | 2034.0      | 1474.0 | 293.0  |

|    |        |                  |        |             |        |        |
|----|--------|------------------|--------|-------------|--------|--------|
| 64 | 127.0  | 17.0             | 36.0   | 125.0       | 503.0  | 1624.0 |
|    | 2475.0 | 1407.0           | 871.0  | 1289.0      | 373.0  | 380.0  |
| 65 | 672.0  | 505.0            | 20.0   | 294.0       | 702.0  | 2394.0 |
|    | 1738.0 | 2133.0           | 344.0  | 726.0       | 1105.0 | 245.0  |
| 66 | 451.0  | 246.0            | 18.0   | 521.0       | 819.0  | 2743.0 |
|    | 2109.0 | 791.0            | 744.0  | 1166.0      | 947.0  | 1158.0 |
|    |        |                  |        |             |        |        |
| *  |        | CARRIZAL MIRANDA |        | EDO.MIRANDA |        | INOS   |
| 58 | .9     | .9               | .9     | .9          | .9     | .9     |
|    | .9     | .9               | 415.6  | 453.0       | 376.0  | 226.0  |
| 59 | 35.0   | 7.0              | 2.0    | 136.0       | 1946.0 | 1199.0 |
|    | 1648.0 | 2258.0           | 1441.0 | 1923.0      | 845.0  | 51.0   |
| 60 | 21.0   | 11.0             | 0.0    | 643.0       | 922.0  | 1496.0 |
|    | 1825.0 | 3066.0           | 1278.0 | 1270.0      | 1082.0 | 934.0  |
| 61 | 134.0  | 43.0             | 28.0   | 87.0        | 188.0  | 765.0  |
|    | 3256.0 | 1606.0           | 2218.0 | 1475.0      | 1386.0 | 172.0  |
| 62 | 74.0   | 109.0            | 216.0  | 0.0         | 1089.0 | 2146.0 |
|    | 1207.0 | 1378.0           | 1145.0 | 1536.0      | 208.0  | 139.0  |
| 63 | 199.0  | 23.0             | 810.0  | 340.0       | 3216.0 | 3026.0 |
|    | 1343.0 | 886.0            | 2546.0 | 2006.0      | 736.0  | 289.0  |
| 64 | 71.0   | 17.0             | 30.0   | 2.0         | 522.0  | 1761.0 |
|    | 2452.0 | 1318.0           | 1490.0 | 762.0       | 353.0  | 497.0  |
| 65 | 489.0  | 375.0            | 6.0    | 195.0       | 1089.0 | 2869.0 |
|    | 1914.0 | 1963.0           | 715.0  | 843.0       | 1749.0 | 292.0  |
| 66 | 367.0  | 112.0            | 4.0    | 465.0       | 1009.0 | 2961.0 |
|    | 2443.0 | 558.0            | 971.0  | 1808.0      | 1155.0 | 908.0  |

MES DE ENERO

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 258.6666 | DESV. TIPICA= | 198.9503 |
| MEDIA DE X 2= | 300.6666 | DESV. TIPICA= | 197.9601 |
| MEDIA DE X 3= | 192.6666 | DESV. TIPICA= | 173.2057 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .89328614 |
| 1 | 3 | .98967551 |
| 2 | 3 | .93780760 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.70019203 |
| 1 | 3 | .97374182  |
| 2 | 3 | .83423322  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.29052     | .17103            |
| 1 3       | 1.44817     | .19547            |

TERMINO CONSTANTE= 67.0033

COEF. CORRELACION MULTIPLE R 1= .99475067

ERROR STAND. DE ESTIMACION S 1= 28.7909

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -1.68751    | .99344            |
| 2 3       | 2.99017     | 1.14110           |

TERMINO CONSTANTE= 161.0653

COEF. CORRELACION MULTIPLE R 2= .96879759

ERROR STAND. DE ESTIMACION S 2= 69.3884

| NANO | ESTIMACION |
|------|------------|
| 52   | 11.2       |
| 53   | 0.0        |
| 54   | 4.1        |
| 55   | 0.0        |
| 56   | 0.0        |
| 58   | 0.0        |
| 59   | 19.1       |
| 63   | 8.7        |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .65473      | .08837            |
| 3 2       | .23274      | .08881            |

TERMINO CONSTANTE= -46.6703

COEF. CORRELACION MULTIPLE R 3= .99687210

ERROR STAND. DE ESTIMACION S 3= 19.3588

| NANO | ESTIMACION |
|------|------------|
| 52   | 0.0        |
| 53   | 51.1       |
| 54   | 0.0        |
| 55   | 24.7       |
| 56   | 58.1       |
| 57   | 20.9       |
| 58   | 2.6        |

MES DE FEBRERO

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 175.0000 | DESV. TIPICA= | 194.2669 |
| MEDIA DE X 2= | 243.0000 | DESV. TIPICA= | 157.2566 |
| MEDIA DE X 3= | 111.1666 | DESV. TIPICA= | 124.6066 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .72356209 |
| 1 | 3 | .99400513 |
| 2 | 3 | .74593864 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.24588464 |
| 1 | 3 | .98814370  |
| 2 | 3 | .35397866  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.04986     | .11348            |
| 1 3       | 1.59663     | .14322            |

TERMINO CONSTANTE= 9.6240

COEF. CORRELACION MULTIPLE R 1= .99436860

ERROR STAND. DE ESTIMACION S 1= 29.1155

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -1.21247    | 2.75954           |
| 2 3       | 2.82035     | 4.30225           |

TERMINO CONSTANTE= 141.6529

COEF. CORRELACION MULTIPLE R 2= .76370328

ERROR STAND. DE ESTIMACION S 2= 143.5706

| NANO | ESTIMACION |
|------|------------|
| 52   | 13.6       |
| 53   | 0.0        |
| 55   | 4.2        |
| 56   | 0.0        |
| 59   | 14.1       |
| 63   | 13.4       |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .61155      | .05485            |
| 3 2       | .04442      | .06777            |

TERMINO CONSTANTE= -6.6508

COEF. CORRELACION MULTIPLE R 3= .99475827

ERROR STAND. DE ESTIMACION S 3= 18.0193

| NANO | ESTIMACION |
|------|------------|
| 52   | 0.0        |
| 53   | 21.7       |
| 55   | 4.3        |
| 56   | 12.4       |
| 57   | 9.2        |
| 58   | 7.1        |



MES DE MARZO

|               |         |               |         |
|---------------|---------|---------------|---------|
| MEDIA DE X 1= | 33.3333 | DESV. TIPICA= | 49.6342 |
| MEDIA DE X 2= | 63.0000 | DESV. TIPICA= | 78.9155 |
| MEDIA DE X 3= | 47.3333 | DESV. TIPICA= | 76.3209 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .93645188 |
| 1 | 3 | .95338715 |
| 2 | 3 | .99829897 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.87044858 |
| 1 | 3 | .90592672  |
| 2 | 3 | .99664766  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -2.83349    | .92515            |
| 1 3       | 3.54486     | .95660            |

TERMINO CONSTANTE= 44.0535

COEF. CORRELACION MULTIPLE R 1= .98890652

ERROR STAND. DE ESTIMACION S 1= 10.4264

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.26740     | .08730            |
| 2 3       | 1.19803     | .05677            |

TERMINO CONSTANTE= 15.2065

COEF. CORRELACION MULTIPLE R 2= .99958807

ERROR STAND. DE ESTIMACION S 2= 3.2030

| NANO | ESTIMACION |
|------|------------|
| 52   | 0.0        |
| 53   | .3         |
| 54   | .8         |
| 55   | 0.0        |
| 59   | 1.6        |
| 63   | 72.7       |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .23151      | .06247            |
| 3 2       | .82911      | .03929            |

TERMINO CONSTANTE= -12.6182

COEF. CORRELACION MULTIPLE R 3= .99969522

ERROR STAND. DE ESTIMACION S 3= 2.6645

| NANO | ESTIMACION |
|------|------------|
| 52   | 3.3        |
| 53   | 0.0        |
| 54   | 0.0        |
| 55   | 5.5        |
| 56   | 65.3       |
| 57   | 0.0        |
| 58   | 1.8        |

MES DE ABRIL

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 287.2857 | DESV. TIPICA= | 349.1163 |
| MEDIA DE X 2= | 283.0000 | DESV. TIPICA= | 178.5641 |
| MEDIA DE X 3= | 247.4285 | DESV. TIPICA= | 227.5100 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .83149103 |
| 1 | 3 | .93932807 |
| 2 | 3 | .96321454 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.79499488 |
| 1 | 3 | .92720331  |
| 2 | 3 | .95597693  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -1.98398    | .75693            |
| 1 3       | 2.94128     | .59408            |

TERMINO CONSTANTE= 120.9958

COEF. CORRELACION MULTIPLE R 1= .97811149

ERROR STAND. DE ESTIMACION S 1= 96.0998

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.31855     | .12153            |
| 2 3       | 1.21516     | .18650            |

TERMINO CONSTANTE= 73.8509

COEF. CORRELACION MULTIPLE R 2= .98662307

ERROR STAND. DE ESTIMACION S 2= 38.5078

| NANO | ESTIMACION |
|------|------------|
| 52   | 0.0        |
| 53   | 0.0        |
| 54   | 0.0        |
| 55   | 0.0        |
| 58   | 0.0        |
| 59   | 21.9       |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .29228      | .05903            |
| 3 2       | .75207      | .11542            |

TERMINO CONSTANTE= -49.3784

COEF. CORRELACION MULTIPLE R 3= .99492124

ERROR STAND. DE ESTIMACION S 3= 30.2943

| NANO | ESTIMACION |
|------|------------|
| 52   | 29.4       |
| 53   | 13.1       |
| 54   | 32.8       |
| 55   | 8.8        |
| 56   | 0.0        |
| 57   | 40.5       |
| 58   | 12.1       |

MES DE MAYO

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 850.2000 | DESV. TIPICA= | 322.0145 |
| MEDIA DE X 2= | 720.4000 | DESV. TIPICA= | 378.9224 |
| MEDIA DE X 3= | 746.0000 | DESV. TIPICA= | 340.3921 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .79466052 |
| 1 | 3 | .83061758 |
| 2 | 3 | .96462282 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.04476861 |
| 1 | 3 | .40033678  |
| 2 | 3 | .90098582  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.08035     | 1.26796           |
| 1 3       | .87206      | 1.41148           |

TERMINO CONSTANTE= 257.5313

COEF. CORRELACION MULTIPLE R 1= .83099159

ERROR STAND. DE ESTIMACION S 1= 283.2323

| NANO | ESTIMACION |
|------|------------|
| 59   | 195.4      |
| 65   | 115.0      |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.02494     | .39354            |
| 2 3       | 1.09341     | .37229            |

TERMINO CONSTANTE= -74.0792

COEF. CORRELACION MULTIPLE R 2= .96469503

ERROR STAND. DE ESTIMACION S 2= 157.7923

| NANO | ESTIMACION |
|------|------------|
| 52   | 0.0        |
| 53   | 0.0        |
| 54   | 0.0        |
| 55   | 0.0        |
| 58   | 0.0        |
| 59   | 205.3      |
| 63   | 336.1      |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .18378      | .29746            |
| 3 2       | .74242      | .25278            |

TERMINO CONSTANTE= 54.9053

COEF. CORRELACION MULTIPLE R 3= .97037950

ERROR STAND. DE ESTIMACION S 3= 130.0231

| NANO | ESTIMACION |
|------|------------|
| 52   | 33.5       |
| 53   | 59.3       |
| 54   | 29.4       |
| 55   | 18.0       |
| 56   | 118.7      |
| 57   | 66.7       |
| 58   | 24.4       |

MES DE JUNIO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 2121.2000 | DESV. TIPICA= | 926.8625 |
| MEDIA DE X 2= | 1713.8000 | DESV. TIPICA= | 617.7350 |
| MEDIA DE X 3= | 1825.8000 | DESV. TIPICA= | 725.1856 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .93087689 |
| 1 | 3 | .97547899 |
| 2 | 3 | .93016584 |

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .29106791 |
| 1 | 3 | .81719643 |
| 2 | 3 | .27503776 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .26180      | .60848            |
| 1 3       | 1.03932     | .51832            |

TERMINO CONSTANTE= -225.0798

COEF. CORRELACION MULTIPLE R 1= .97758027

ERROR STAND. DE ESTIMACION S 1= 308.5798

NANO  
65

ESTIMACION  
338.3

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .32359      | .75209            |
| 2 3       | .38889      | .96125            |

TERMINO CONSTANTE= 317.3428

COEF. CORRELACION MULTIPLE R 2= .93628419

ERROR STAND. DE ESTIMACION S 2= 343.0681

| NANO | ESTIMACION |
|------|------------|
| 52   | 97.2       |
| 53   | 101.5      |
| 54   | 89.4       |
| 55   | 141.7      |
| 59   | 115.2      |
| 63   | 256.2      |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .64254      | .32044            |
| 3 2       | .19451      | .48080            |

TERMINO CONSTANTE= 129.4745

COEF. CORRELACION MULTIPLE R 3= .97735541

ERROR STAND. DE ESTIMACION S 3= 242.6295

| NANO | ESTIMACION |
|------|------------|
| 52   | 143.0      |
| 53   | 151.6      |
| 54   | 127.5      |
| 55   | 231.3      |
| 56   | 156.4      |
| 57   | 186.5      |
| 58   | 213.9      |



MES DE JULIO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 2157.0000 | DESV. TIPICA= | 690.5713 |
| MEDIA DE X 2= | 1768.5000 | DESV. TIPICA= | 529.0453 |
| MEDIA DE X 3= | 2011.0000 | DESV. TIPICA= | 632.4104 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .65070806 |
| 1 | 3 | .86844331 |
| 2 | 3 | .82158286 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.22215284 |
| 1 | 3 | .77118173  |
| 2 | 3 | .68128263  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.25218     | .49498            |
| 1 3       | 1.12163     | .41408            |

TERMINO CONSTANTE= 347.3762

COEF. CORRELACION MULTIPLE R 1= .87539978

ERROR STAND. DE ESTIMACION S 1= 422.2550

NANO ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.19569     | .38410            |
| 2 3       | .87287      | .41943            |

TERMINO CONSTANTE= 435.2566

COEF. CORRELACION MULTIPLE R 2= .83128686

ERROR STAND. DE ESTIMACION S 2= 371.9679

| NANO | ESTIMACION |
|------|------------|
| 51   | 2.1        |
| 52   | 0.0        |
| 53   | 0.0        |
| 54   | 0.0        |
| 55   | 14.4       |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .53022      | .19574            |
| 3 2       | .53174      | .25551            |

TERMINO CONSTANTE= -73.0809

COEF. CORRELACION MULTIPLE R 3= .93181745

ERROR STAND. DE ESTIMACION S 3= 290.3211

| NANO | ESTIMACION |
|------|------------|
| 51   | 104.6      |
| 52   | 153.2      |
| 53   | 119.5      |
| 54   | 121.6      |
| 55   | 71.5       |
| 56   | 140.3      |
| 57   | 179.6      |
| 58   | 191.3      |

MES DE AGOSTO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1867.0000 | DESV. TIPICA= | 664.3056 |
| MEDIA DE X 2= | 1390.1250 | DESV. TIPICA= | 544.6160 |
| MEDIA DE X 3= | 1629.1250 | DESV. TIPICA= | 744.2703 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .95079831 |
| 1 | 3 | .93686933 |
| 2 | 3 | .89018008 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .73322867  |
| 1 | 3 | .64106311  |
| 2 | 3 | -.00548022 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .68642      | .28468            |
| 1 3       | .38908      | .20831            |

TERMINO CONSTANTE= 278.9143

COEF. CORRELACION MULTIPLE R 1= .97132003

ERROR STAND. DE ESTIMACION S 1= 199.8001

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .78321      | .32483            |
| 2 3       | -.00355     | .28993            |

TERMINO CONSTANTE= -66.3583

COEF. CORRELACION MULTIPLE R 2= .95079983

ERROR STAND. DE ESTIMACION S 2= 213.4224

| NANO | ESTIMACION |
|------|------------|
| 51   | 117.8      |
| 52   | 200.8      |
| 53   | 114.9      |
| 54   | 108.6      |
| 55   | 74.5       |
| 58   | 93.7       |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | 1.05623     | .56551            |
| 3 2       | -.00845     | .68979            |

TERMINO CONSTANTE= -331.1103

COEF. CORRELACION MULTIPLE R 3= .93687129

ERROR STAND. DE ESTIMACION S 3= 329.1959

| NANO | ESTIMACION |
|------|------------|
| 51   | 134.8      |
| 52   | 246.6      |
| 53   | 130.8      |
| 54   | 122.3      |
| 55   | 76.4       |
| 56   | 234.5      |
| 57   | 210.3      |
| 58   | 102.2      |

MES DE SEPTIEMBRE

MEDIA DE X 1= 1505.6250

DESV. TIPICA= 538.0299

MEDIA DE X 2= 927.5000

DESV. TIPICA= 341.5102

MEDIA DE X 3= 1475.5000

DESV. TIPICA= 578.7696

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .93533863

1 3 .93999045

2 3 .91624706

COEF. DE CORRELACION PARCIALES

1 2 .54192196

1 3 .58559151

2 3 .30685471

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .72714      | .50431            |
| 1 3       | .48069      | .29757            |

TERMINO CONSTANTE= 121.9267

COEF. CORRELACION MULTIPLE R 1= .95800397

ERROR STAND. DE ESTIMACION S 1= 195.1539

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .40387      | .28011            |
| 2 3       | .18772      | .26039            |

TERMINO CONSTANTE= 42.4236

COEF. CORRELACION MULTIPLE R 2= .94161652

ERROR STAND. DE ESTIMACION S 2= 145.4422

| NANO | ESTIMACION |
|------|------------|
| 51   | 83.9       |
| 52   | 80.2       |
| 53   | 79.2       |
| 54   | 67.8       |
| 55   | 79.8       |
| 58   | 56.8       |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .71337      | .44162            |
| 3 2       | .50158      | .69574            |

TERMINO CONSTANTE= -63.7970

COEF. CORRELACION MULTIPLE R 3= .94580333

ERROR STAND. DE ESTIMACION S 3= 237.7395

| NANO | ESTIMACION |
|------|------------|
| 51   | 134.4      |
| 52   | 127.8      |
| 53   | 126.0      |
| 54   | 105.9      |
| 55   | 127.2      |
| 56   | 127.8      |
| 57   | 121.8      |
| 58   | 86.5       |

MES DE OCTUBRE

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1387.5714 | DESV. TIPICA= | 282.7532 |
| MEDIA DE X 2= | 1151.8571 | DESV. TIPICA= | 395.1475 |
| MEDIA DE X 3= | 1402.1428 | DESV. TIPICA= | 447.0613 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |            |
|---|---|------------|
| 1 | 2 | -.09029920 |
| 1 | 3 | .62185629  |
| 2 | 3 | .51415028  |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.61043883 |
| 1 | 3 | .78235387  |
| 2 | 3 | .73122194  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.39883     | .25874            |
| 1 3       | .57455      | .22870            |

TERMINO CONSTANTE= 1041.3626

COEF. CORRELACION MULTIPLE R 1= .78437279

ERROR STAND. DE ESTIMACION S 1= 232.0177

NANO  
66

ESTIMACION  
161.5

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.93431     | .60615            |
| 2 3       | .82191      | .38337            |

TERMINO CONSTANTE= 1295.8425

COEF. CORRELACION MULTIPLE R 2= .73381174

ERROR STAND. DE ESTIMACION S 2= 355.1188

| NANO | ESTIMACION |
|------|------------|
| 51   | 92.0       |
| 52   | 42.9       |
| 53   | 2.7        |
| 54   | 0.0        |
| 55   | 0.0        |
| 58   | 104.5      |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | 1.06531     | .42404            |
| 3 2       | .65053      | .30343            |

TERMINO CONSTANTE= -825.3727

COEF. CORRELACION MULTIPLE R 3= .84535500

ERROR STAND. DE ESTIMACION S 3= 315.9323

| NANO | ESTIMACION |
|------|------------|
| 51   | 0.0        |
| 52   | 16.2       |
| 53   | 62.1       |
| 54   | 403.4      |
| 55   | 213.0      |
| 56   | 208.5      |
| 57   | 102.0      |



MES DE NOVIEMBRE

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1147.5714 | DESV. TIPICA= | 671.1322 |
| MEDIA DE X 2= | 897.0000  | DESV. TIPICA= | 341.7279 |
| MEDIA DE X 3= | 908.4285  | DESV. TIPICA= | 506.7568 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .37468746 |
| 1 | 3 | .90462033 |
| 2 | 3 | .57446601 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.41558579 |
| 1 | 3 | .90838776  |
| 2 | 3 | .59598861  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.42499     | .46507            |
| 1 3       | 1.36268     | .31362            |

TERMINO CONSTANTE= 290.8894

COEF. CORRELACION MULTIPLE R 1= .92179882

ERROR STAND. DE ESTIMACION S 1= 344.1816

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 66   | 146.2      |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.40638     | .44470            |
| 2 3       | .87425      | .58895            |

TERMINO CONSTANTE= 569.1560

COEF. CORRELACION MULTIPLE R 2= .66762714

ERROR STAND. DE ESTIMACION S 2= 336.5594

| NANO | ESTIMACION |
|------|------------|
| 51   | 8.3        |
| 52   | 39.1       |
| 53   | 38.3       |
| 54   | 12.1       |
| 55   | 15.7       |
| 58   | 53.2       |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .60554      | .13936            |
| 3 2       | .40629      | .27370            |

TERMINO CONSTANTE= -150.9211

COEF. CORRELACION MULTIPLE R 3= .93960882

ERROR STAND. DE ESTIMACION S 3= 229.4364

| NANO | ESTIMACION |
|------|------------|
| 51   | 57.3       |
| 52   | 11.3       |
| 53   | 12.5       |
| 54   | 51.6       |
| 55   | 46.2       |
| 56   | 51.5       |
| 57   | 124.8      |

MES DE DICIEMBRE

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 467.3750 | DESV. TIPICA= | 310.9750 |
| MEDIA DE X 2= | 514.5000 | DESV. TIPICA= | 316.6389 |
| MEDIA DE X 3= | 410.2500 | DESV. TIPICA= | 319.7028 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .75157862 |
| 1 | 3 | .91259555 |
| 2 | 3 | .84654535 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.09637216 |
| 1 | 3 | .78701029  |
| 2 | 3 | .59568250  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.07269     | .33578            |
| 1 3       | .94863      | .33256            |

TERMINO CONSTANTE= 115.6008

COEF. CORRELACION MULTIPLE R 1= .91344580

ERROR STAND. DE ESTIMACION S 1= 160.0802

NANO ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.12775     | .59009            |
| 2 3       | .95183      | .57398            |

TERMINO CONSTANTE= 183.7179

COEF. CORRELACION MULTIPLE R 2= .84809833

ERROR STAND. DE ESTIMACION S 2= 212.2111

| NANO | ESTIMACION |
|------|------------|
| 51   | 7.2        |
| 52   | 11.1       |
| 54   | 12.5       |
| 55   | 12.4       |
| 58   | 36.8       |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .65292      | .22889            |
| 3 2       | .37279      | .22480            |

TERMINO CONSTANTE= -86.7112

COEF. CORRELACION MULTIPLE R 3= .94453619

ERROR STAND. DE ESTIMACION S 3= 132.8065

| NANO | ESTIMACION |
|------|------------|
| 51   | 48.3       |
| 52   | 28.3       |
| 54   | 21.1       |
| 55   | 21.5       |
| 56   | 136.2      |
| 57   | 26.2       |

| *  | EL ALMENDRO |        |        | EDO.MIRANDA |        | INOS   |
|----|-------------|--------|--------|-------------|--------|--------|
|    | .9          | .9     | .9     | .9          | .9     | .9     |
| 58 | .9          | .9     | 389.6  | 1669.0      | 553.0  | 183.0  |
| 59 | 93.0        | 28.0   | 11.0   | 57.4        | 1225.6 | 1240.0 |
|    | 1147.0      | 1841.0 | 1766.0 | 970.0       | 806.0  | 62.0   |
| 60 | 101.0       | 9.0    | 8.0    | 701.0       | 917.0  | 2317.0 |
|    | 1842.0      | 3125.0 | 1535.0 | 667.0       | 994.0  | 1618.0 |
| 61 | 321.0       | 237.0  | 38.0   | 122.0       | 46.0   | 630.0  |
|    | 2079.0      | 1709.0 | 2749.0 | 1525.0      | 1330.0 | 444.0  |
| 62 | 353.0       | 279.0  | 106.0  | 9.0         | 1749.0 | 2646.0 |
|    | 1291.0      | 1284.0 | 1574.0 | 1036.0      | 588.0  | .6     |
| 63 | 59.6        | 132.0  | 906.0  | 393.0       | 3743.6 | 3304.0 |
|    | 1349.0      | 1011.0 | 1920.0 | 953.0       | 999.0  | 627.0  |
| 64 | 174.0       | 47.0   | 104.0  | 30.0        | 1021.0 | 2393.0 |
|    | 1856.0      | 968.0  | 1618.0 | 1070.4      | 685.5  | 473.0  |
| 65 | 740.0       | 802.0  | 65.0   | 39.0        | 714.0  | 3040.0 |
|    | 2885.0      | 2585.0 | 1017.0 | 1784.0      | 1532.0 | 588.0  |
| 66 | 1048.0      | 145.0  | 10.0   | 202.0       | 874.0  | 4004.0 |
|    | 2728.0      | 963.0  | 1369.0 | 1539.0      | 1113.0 | 1390.0 |
|    |             |        |        |             |        |        |
| *  | LECHERITO   |        |        | EDO.MIRANDA |        | INOS   |
|    | .9          | .9     | .9     | .9          | .9     | .9     |
| 58 | .9          | .9     | 460.6  | 1226.0      | 660.0  | 195.0  |
| 59 | 111.0       | 64.0   | 20.0   | 175.0       | 1219.0 | 1777.0 |
|    | 1213.0      | 995.0  | 1504.0 | 1392.0      | 629.0  | 176.0  |
| 60 | 60.0        | 48.0   | 29.0   | 1033.0      | 503.0  | 2104.0 |
|    | 1200.0      | 3049.0 | 995.0  | 526.0       | 973.0  | 807.0  |
| 61 | 168.0       | 139.0  | 10.0   | 37.0        | 42.0   | 1035.0 |
|    | 2761.0      | 1642.0 | 1529.0 | 1104.0      | 1207.0 | 275.0  |
| 62 | 203.0       | 139.0  | 135.0  | 30.0        | 1452.0 | 2269.0 |
|    | 1372.0      | 1416.0 | 1119.0 | 649.0       | 613.0  | 492.0  |
| 63 | 345.0       | 32.0   | 536.0  | 636.0       | 3082.0 | 2958.0 |
|    | 1261.0      | 501.0  | 1952.0 | 425.0       | 805.0  | 386.0  |
| 64 | 144.0       | 25.0   | 81.0   | 56.0        | 1537.0 | 897.0  |
|    | 1807.0      | 1485.0 | 884.0  | 1059.0      | 581.0  | 512.0  |
| 65 | 293.0       | 846.0  | 10.0   | 112.0       | 659.0  | 2999.0 |
|    | 3049.0      | 2533.0 | 765.0  | 939.0       | 1243.0 | 216.0  |
| 66 | 503.0       | 163.0  | 0.0    | 634.0       | 1403.0 | 3240.0 |
|    | 2082.0      | 1130.0 | 1104.0 | 1331.0      | 369.0  | 710.0  |

MES DE ENERO

MEDIA DE X 1= 404.2857      DESV. TIPICA= 333.4990  
 MEDIA DE X 2= 211.7142      DESV. TIPICA= 136.8979

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1    2      .97575339

COEF. DE CORRELACION PARCIALES  
 1    2      .97575339

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1    2    | 2.37704     | .23845            |

TERMINO CONSTANTE= -98.9689

COEF. CORRELACION MULTIPLE R 1= .97575339

ERROR STAND. DE ESTIMACION S 1= 86.3675

| NANO | ESTIMACION |
|------|------------|
| 63   | 72.1       |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2    1    | .40053      | .04017            |

TERMINO CONSTANTE= 49.7829

COEF. CORRELACION MULTIPLE R 2= .97575339

ERROR STAND. DE ESTIMACION S 2= 35.4529

| NANO | ESTIMACION |
|------|------------|
|      |            |

MES DE FEBRERO

MEDIA DE X 1= 209.8750      DESV. TIPICA= 241.4427  
 MEDIA DE X 2= 182.0000      DESV. TIPICA= 255.9257

COEF. DE CORR. TOTALES (ORDEN CERO)

1    2      .96270637

COEF. DE CORRELACION PARCIALES

1    2      .96270637

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1    2    | .90822      | .10420            |

TERMINO CONSTANTE= 44.5778

COEF. CORRELACION MULTIPLE R 1= .96270637

ERROR STAND. DE ESTIMACION S 1= 75.4272

| NANO | ESTIMACION |
|------|------------|
| 63   | 35.7       |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2    1    | 1.02045     | .11707            |

TERMINO CONSTANTE= -32.1679

COEF. CORRELACION MULTIPLE R 2= .96270637

ERROR STAND. DE ESTIMACION S 2= 79.9518

| NANO | ESTIMACION |
|------|------------|
|      |            |

MES DE MARZO

MEDIA DE X 1= 156.0000 DESV. TIPICA= 285.9532  
 MEDIA DE X 2= 102.6250 DESV. TIPICA= 169.2881

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1 2 .98576698

COEF. DE CORRELACION PARCIALES  
 1 2 .98576698

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | 1.66510     | .11593            |

TERMINO CONSTANTE= -14.8818

COEF. CORRELACION MULTIPLE R 1= .98576698

ERROR STAND. DE ESTIMACION S 1= 55.5107

| NANO | ESTIMACION |
|------|------------|
| 63   | 55.9       |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .58358      | .04063            |

TERMINO CONSTANTE= 11.5853

COEF. CORRELACION MULTIPLE R 2= .98576698

ERROR STAND. DE ESTIMACION S 2= 32.8631

| NANO | ESTIMACION |
|------|------------|
|      |            |



MES DE ABRIL

MEDIA DE X 1= 213.7142

DESV. TIPICA= 234.3146

MEDIA DE X 2= 362.5714

DESV. TIPICA= 372.4980

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .93387898

COEF. DE CORRELACION PARCIALES

1 2 .93387898

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

.58744

.10059

TERMINO CONSTANTE= .7241

COEF. CORRELACION MULTIPLE R 1= .93387898

ERROR STAND. DE ESTIMACION S 1= 99.1397

NANO

ESTIMACION

59

10.3

VARIABLE DEPENDIENTE X 2

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

2 1

1.48461

.25422

TERMINO CONSTANTE= 45.2869

COEF. CORRELACION MULTIPLE R 2= .93387898

ERROR STAND. DE ESTIMACION S 2= 157.6058

NANO

ESTIMACION

MES DE MAYO

MEDIA DE X 1= 886.8333      DESV. TIPICA= 499.8797  
 MEDIA DE X 2= 932.6666      DESV. TIPICA= 564.0527

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1    2      .77200263

COEF. DE CORRELACION PARCIALES  
 1    2      .77200263

VARIABLE    DEPENDIENTE    X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1    2    | .68417      | .28165            |

TERMINO CONSTANTE= 248.7299

COEF. CORRELACION MULTIPLE R 1= .77200263

ERROR STAND. DE ESTIMACION S 1= 389.1421

| NANO | ESTIMACION |
|------|------------|
| 59   | 108.2      |
| 63   | 235.7      |

VARIABLE    DEPENDIENTE    X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2    1    | .87110      | .35860            |

TERMINO CONSTANTE= 160.1373

COEF. CORRELACION MULTIPLE R 2= .77200263

ERROR STAND. DE ESTIMACION S 2= 439.0990

| NANO | ESTIMACION |
|------|------------|
|------|------------|

MES DE JUNIO

MEDIA DE X 1= 2446.7500

DESV. TIPICA= 1020.3002

MEDIA DE X 2= 2159.8750

DESV. TIPICA= 831.3862

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .80555022

COEF. DE CORRELACION PARCIALES

1 2 .80555022

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

.98859

.29686

TERMINO CONSTANTE= 311.5114

COEF. CORRELACION MULTIPLE R 1= .80555022

ERROR STAND. DE ESTIMACION S 1= 698.0811

NANO

ESTIMACION

59

151.6

VARIABLE DEPENDIENTE X 2

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

2 1

.65639

.19710

TERMINO CONSTANTE= 553.8324

COEF. CORRELACION MULTIPLE R 2= .80555022

ERROR STAND. DE ESTIMACION S 2= 568.8276

NANO

ESTIMACION

MES DE JULIO

MEDIA DE X 1= 1897.1250

DESV. TIPICA= 605.6582

MEDIA DE X 2= 1843.1250

DESV. TIPICA= 682.5037

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .80767674

COEF. DE CORRELACION PARCIALES

1 2 .80767674

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

.71673

.21361

TERMINO CONSTANTE= 576.0881

COEF. CORRELACION MULTIPLE R 1= .80767674

ERROR STAND. DE ESTIMACION S 1= 412.3568

NANO

ESTIMACION

59

144.9

VARIABLE DEPENDIENTE X 2

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

2 1

.91015

.27125

TERMINO CONSTANTE= 116.4485

COEF. CORRELACION MULTIPLE R 2= .80767674

ERROR STAND. DE ESTIMACION S 2= 464.6764

NANO

ESTIMACION

MES DE AGOSTO

MEDIA DE X 1= 1685.7500

DESV. TIPICA= 754.8971

MEDIA DE X 2= 1593.8750

DESV. TIPICA= 775.6739

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .86867080

COEF. DE CORRELACION PARCIALES

1 2 .86867080

VARIABLE DEPENDIENTE X 1

VARIABLES COEF. REGR. ERROR COEF. REGR.

1 2 .84540 .19682

TERMINO CONSTANTE= 338.2832

COEF. CORRELACION MULTIPLE R 1= .86867080

ERROR STAND. DE ESTIMACION S 1= 431.8214

NANO

ESTIMACION

59

136.8

VARIABLE DEPENDIENTE X 2

VARIABLES COEF. REGR. ERROR COEF. REGR.

2 1 .89257 .20780

TERMINO CONSTANTE= 89.2099

COEF. CORRELACION MULTIPLE R 2= .86867080

ERROR STAND. DE ESTIMACION S 2= 443.7063

NANO

ESTIMACION

MES DE SEPTIEMBRE

MEDIA DE X 1= 1693.5000

DESV. TIPICA= 471.5259

MEDIA DE X 2= 1231.5000

DESV. TIPICA= 371.6695

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .66410641

COEF. DE CORRELACION PARCIALES

1 2 .66410641

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

.84253

.38722

TERMINO CONSTANTE= 655.9220

COEF. CORRELACION MULTIPLE R 1= .66410641

ERROR STAND. DE ESTIMACION S 1= 407.0674

NANO  
59

ESTIMACION  
168.2

VARIABLE DEPENDIENTE X 2

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

2 1

.52346

.24058

TERMINO CONSTANTE= 345.0092

COEF. CORRELACION MULTIPLE R 2= .66410641

ERROR STAND. DE ESTIMACION S 2= 320.8616

NANO

ESTIMACION

MES DE OCTUBRE

MEDIA DE X 1= 1267.8750      DESV. TIPICA= 382.3612  
 MEDIA DE X 2= 949.0000      DESV. TIPICA= 351.1644

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1 2 .56428780

COEF. DE CORRELACION PARCIALES  
 1 2 .56428780

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .61441      | .36698            |

TERMINO CONSTANTE= 684.7923

COEF. CORRELACION MULTIPLE R 1= .56428780

ERROR STAND. DE ESTIMACION S 1= 364.5032

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 64   | 133.5      |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .51824      | .30954            |

TERMINO CONSTANTE= 291.9266

COEF. CORRELACION MULTIPLE R 2= .56428780

ERROR STAND. DE ESTIMACION S 2= 334.7635

|      |            |
|------|------------|
| NANO | ESTIMACION |
|------|------------|

MES DE NOVIEMBRE

MEDIA DE X 1= 989.3750      DESV. TIPICA= 318.3975  
 MEDIA DE X 2= 812.3750      DESV. TIPICA= 287.2711

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1    2      .67523386

COEF. DE CORRELACION PARCIALES  
 1    2      .67523386

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1    2    | .74839      | .33375            |

TERMINO CONSTANTE= 381.3962

COEF. CORRELACION MULTIPLE R 1= .67523386

ERROR STAND. DE ESTIMACION S 1= 271.1828

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 64   | 81.6       |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2    1    | .60922      | .27168            |

TERMINO CONSTANTE= 209.6245

COEF. CORRELACION MULTIPLE R 2= .67523386

ERROR STAND. DE ESTIMACION S 2= 244.6721

|      |            |
|------|------------|
| NANO | ESTIMACION |
|------|------------|



MES DE DICIEMBRE

MEDIA DE X 1= 673.1250      DESV. TIPICA= 515.0627  
 MEDIA DE X 2= 409.6250      DESV. TIPICA= 227.8787

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1    2      .92302615

COEF. DE CORRELACION PARCIALES  
 1    2      .92302615

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1    2    | 2.08626     | .35501            |

TERMINO CONSTANTE= -181.4628

COEF. CORRELACION MULTIPLE R 1= .92302615

ERROR STAND. DE ESTIMACION S 1= 228.8198

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 62   | 84.4       |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2    1    | .40837      | .06949            |

TERMINO CONSTANTE= 134.7384

COEF. CORRELACION MULTIPLE R 2= .92302615

ERROR STAND. DE ESTIMACION S 2= 101.2365

|      |            |
|------|------------|
| NANO | ESTIMACION |
|------|------------|

| *  | EL ENCANTADO |        |        | EDO.MIRANDA |        | PART   |
|----|--------------|--------|--------|-------------|--------|--------|
|    |              |        |        |             |        |        |
| 35 | .9           | .9     | .9     | .9          | .9     | .9     |
|    | .9           | .9     | .9     | .9          | 1070.0 | 540.0  |
| 36 | 90.0         | 10.0   | 0.0    | 340.0       | 1500.0 | 1840.0 |
|    | 2310.0       | 900.0  | 500.0  | 1860.0      | 1990.0 | 370.0  |
| 37 | 620.0        | 40.0   | 80.0   | 540.0       | 760.0  | 1990.0 |
|    | 1080.0       | 420.0  | 1620.0 | 1250.0      | 830.0  | 680.0  |
| 38 | 170.0        | 250.0  | 650.0  | 1030.0      | 1280.0 | 1070.0 |
|    | 1080.0       | 2460.0 | 1620.0 | 1570.0      | 2650.0 | 1390.0 |
| 39 | 200.0        | 80.0   | 0.0    | 10.0        | 200.0  | 1510.0 |
|    | 940.0        | 1300.0 | 350.0  | 1390.0      | 750.0  | 330.0  |
| 40 | 0.0          | 260.0  | 20.0   | 150.0       | 670.0  | 960.0  |
|    | 1330.0       | 1430.0 | 580.0  | 1160.0      | 710.0  | 0.0    |
| 41 | 50.0         | 0.0    | 0.0    | 40.0        | 910.0  | 1650.0 |
|    | 1550.0       | 1480.0 | 630.0  | 540.0       | 660.0  | 40.0   |
| 42 | 140.0        | 20.0   | 20.0   | 740.0       | 2310.0 | 1900.0 |
|    | 850.0        | 830.0  | 830.0  | 950.0       | 1080.0 | 860.0  |
| 43 | 510.0        | 110.0  | 180.0  | 870.0       | 1740.0 | 1300.0 |
|    | 2100.0       | 450.0  | 650.0  | 2090.0      | 1000.2 | 90.0   |
| 44 | 190.0        | 0.0    | 0.0    | 160.0       | 2120.0 | 1530.0 |
|    | 1490.0       | 2370.0 | 500.0  | 1690.0      | 2160.0 | 330.0  |
| 45 | 0.0          | 70.0   | 60.0   | 890.0       | 1390.0 | 2850.0 |
|    | 1290.0       | 730.0  | 840.0  | 590.0       | 820.0  | 240.0  |
| 46 | 190.0        | 0.0    | 0.0    | 640.0       | 2030.0 | 2370.0 |
|    | 1430.0       | 1580.0 | 570.0  | 1520.0      | 470.0  | 840.0  |
| 47 | 170.0        | 0.0    | 0.0    | 0.0         | 660.0  | 1310.0 |
|    | 1860.0       | 1050.0 | 830.0  | 1170.0      | 180.0  | 470.0  |
| 48 | 210.0        | 50.0   | 300.0  | 10.0        | 1110.0 | 2350.0 |
|    | 1830.0       | 1300.2 | 880.0  | 1300.2      | 450.2  | 300.2  |
| 49 | 0.0          | 90.0   | 40.0   | 50.2        | 430.0  | 1290.0 |
|    | 660.0        | 1140.0 | 650.0  | 2910.0      | 1180.0 | 1400.2 |
| 50 | 1700.2       | 120.0  | 60.0   | 170.0       | 1400.2 | 3300.2 |
|    | 930.0        | 1750.2 | 1000.2 | 3230.0      | 2420.0 | 650.0  |
| 51 | 250.2        | 1090.0 | 400.2  | 600.0       | 820.0  | 1900.0 |
|    | 1900.0       | 970.0  | 1190.0 | 850.0       | 1700.2 | 760.0  |
| 52 | 0.0          | 0.0    | 90.0   | 1840.0      | 1900.0 | 910.0  |
|    | 1290.0       | 930.0  | 1370.0 | 950.0       | 870.0  | 810.0  |
| 53 | 700.0        | 170.0  | 20.0   | 100.0       | 1500.0 | 1390.0 |
|    | 1100.0       | 1150.0 | 1430.0 | 950.0       | 190.0  | 300.0  |
| 54 | 210.0        | 70.0   | 190.0  | 730.0       | 980.0  | 1050.0 |
|    | 1640.0       | 1150.0 | 1050.0 | 1760.0      | 820.0  | 900.0  |
| 55 | 300.0        | 0.0    | 130.0  | 250.0       | 450.0  | 1920.0 |
|    | 970.0        | 670.0  | 1010.0 | 1420.0      | 550.0  | 170.0  |
| 56 | 1320.0       | 170.0  | 590.0  | 0.0         | 890.0  | 630.0  |
|    | 1070.0       | 1450.0 | 1260.0 | 1090.0      | 590.0  | 780.0  |
| 57 | 150.0        | 90.0   | 0.0    | 110.0       | 320.0  | 1010.0 |
|    | 1240.0       | 1100.0 | 1050.0 | 1090.0      | 1040.0 | 170.0  |
| 58 | 20.0         | 0.0    | 40.0   | 150.0       | 1830.0 | 470.0  |
|    | 1810.0       | 580.0  | 210.0  | 110.0       | 350.0  | 640.0  |
| 59 | 0.0          | 0.0    | 0.0    | 10.0        | 140.0  | 100.0  |
|    | 460.0        | 830.0  | 80.0   | 100.0       | 70.0   | 40.0   |

|    |        |        |        |       |       |        |
|----|--------|--------|--------|-------|-------|--------|
| 60 | 6.0    | 0.0    | 0.0    | .9    | .9    | 250.0  |
|    | 650.0  | 600.0  | 340.0  | 500.0 | 390.0 | 370.0  |
| 61 | 0.0    | 570.0  | 0.0    | 0.0   | 100.0 | 1900.0 |
|    | 2140.0 | 1300.0 | 1100.0 | .9    | 460.0 | 80.0   |
| 62 | .9     | .9     | 320.0  | 120.0 | 0.0   | 0.0    |
|    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0    |

| *  | PETARE INOS |        |        | EDO.MIRANDA |        | INOS   |
|----|-------------|--------|--------|-------------|--------|--------|
| 48 | .9          | .9     | .9     | 150.2       | 900.2  | 2100.2 |
|    | 1500.2      | 1700.2 | 810.0  | 1370.0      | 460.0  | 330.0  |
| 49 | 10.0        | 160.0  | 30.0   | 80.0        | 800.0  | 920.0  |
|    | 390.0       | 1190.0 | 1210.0 | 2190.0      | 1210.0 | 1620.0 |
| 50 | 2110.0      | 340.0  | 150.0  | 450.0       | 1570.0 | 3720.0 |
|    | 570.0       | 1410.0 | 1080.0 | 2330.0      | 1350.0 | 490.0  |
| 51 | .8          | .8     | .8     | 130.0       | 460.0  | 470.0  |
|    | 1180.0      | 490.0  | 820.0  | 730.0       | 920.0  | 680.0  |
| 52 | 10.0        | 10.0   | 110.0  | 690.0       | 1630.0 | 880.0  |
|    | 1710.0      | 1290.0 | 2170.0 | 1680.0      | 570.0  | 750.0  |
| 53 | 100.0       | 710.0  | 80.0   | 70.0        | 1200.0 | 2700.0 |
|    | 1370.0      | 1610.0 | 2590.0 | 760.0       | 420.0  | 690.0  |
| 54 | 250.0       | 20.0   | 20.0   | 1190.0      | 1350.0 | 1230.0 |
|    | 1880.0      | 1080.0 | 1710.0 | 3020.0      | 870.0  | 1480.0 |

MES DE ENERO

MEDIA DE X 1= 522.0000 DESV. TIPICA= 642.1339  
 MEDIA DE X 2= 496.0000 DESV. TIPICA= 811.7536

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1 2 .92658754

COEF. DE CORRELACION PARCIALES  
 1 2 .92658754

VARIABLE DEPENDIENTE X 1

VARIABLES COEF. REGR. ERROR COEF. REGR.  
 1 2 .73297 .17175

TERMINO CONSTANTE= 158.4455

COEF. CORRELACION MULTIPLE R 1= .92658754

ERROR STAND. DE ESTIMACION S 1= 311.7663

NANO ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | 1.17134     | .27448            |

TERMINO CONSTANTE= -115.4424

COEF. CORRELACION MULTIPLE R 2= .92658754

ERROR STAND. DE ESTIMACION S 2= 394.1194

| NANO | ESTIMACION |
|------|------------|
| 36   | 0.0        |
| 37   | 61.0       |
| 38   | 8.3        |
| 39   | 11.8       |
| 40   | 0.0        |
| 41   | 0.0        |
| 42   | 4.8        |
| 43   | 48.1       |
| 44   | 10.7       |
| 45   | 0.0        |
| 46   | 10.7       |
| 47   | 8.3        |
| 48   | 13.0       |
| 51   | 17.7       |
| 55   | 23.5       |
| 56   | 143.0      |
| 57   | 6.0        |
| 58   | 0.0        |
| 59   | 0.0        |
| 60   | 0.0        |
| 61   | 0.0        |

MES DE FEBRERO

MEDIA DE X 1= 90.0000

DESV. TIPICA= 56.2138

MEDIA DE X 2= 248.0000

DESV. TIPICA= 260.1076

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .89866673

COEF. DE CORRELACION PARCIALES

1 2 .89866673

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

.19421

.05473

TERMINO CONSTANTE= 41.8339

COEF. CORRELACION MULTIPLE R 1= .89866673

ERROR STAND. DE ESTIMACION S 1= 31.8323

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | 4.15822     | 1.17178           |

TERMINO CONSTANTE= -126.2405

COEF. CORRELACION MULTIPLE R 2= .89866673

ERROR STAND. DE ESTIMACION S 2= 147.2915

| NANO | ESTIMACION |
|------|------------|
| 36   | 0.0        |
| 37   | 4.0        |
| 38   | 91.3       |
| 39   | 20.6       |
| 40   | 95.4       |
| 41   | 0.0        |
| 42   | 0.0        |
| 43   | 33.1       |
| 44   | 0.0        |
| 45   | 16.4       |
| 46   | 0.0        |
| 47   | 0.0        |
| 48   | 8.1        |
| 51   | 440.6      |
| 55   | 0.0        |
| 56   | 58.0       |
| 57   | 24.8       |
| 58   | 0.0        |
| 59   | 0.0        |
| 60   | 0.0        |
| 61   | 224.3      |

MES DE MARZO

|               |         |               |         |
|---------------|---------|---------------|---------|
| MEDIA DE X 1= | 80.0000 | DESV. TIPICA= | 59.6657 |
| MEDIA DE X 2= | 78.0000 | DESV. TIPICA= | 48.7442 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |            |
|---|---|------------|
| 1 | 2 | -.39197343 |
|---|---|------------|

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.39197343 |
|---|---|------------|

VARIABLE DEPENDIENTE X 1

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 1 2       | -.47979     | .65015            |

TERMINO CONSTANTE= 117.4242

COEF. CORRELACION MULTIPLE R 1= .39197343

ERROR STAND. DE ESTIMACION S 1= 70.8640

NANO

ESTIMACION



VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | -.32022     | .43392            |

TERMINO CONSTANTE= 103.6179

COEF. CORRELACION MULTIPLE R 2= .39197343

ERROR STAND. DE ESTIMACION S 2= 57.8927

| NANO | ESTIMACION |
|------|------------|
| 36   | 10.3       |
| 37   | 7.8        |
| 38   | 0.0        |
| 39   | 10.3       |
| 40   | 9.7        |
| 41   | 10.3       |
| 42   | 9.7        |
| 43   | 4.5        |
| 44   | 10.3       |
| 45   | 8.4        |
| 46   | 10.3       |
| 47   | 10.3       |
| 48   | .7         |
| 51   | 0.0        |
| 55   | 6.1        |
| 56   | 0.0        |
| 57   | 10.3       |
| 58   | 9.0        |
| 59   | 10.3       |
| 60   | 10.3       |
| 61   | 10.3       |
| 62   | .1         |

MES DE ABRIL

MEDIA DE X 1= 500.0000

DESV. TIPICA= 605.9231

MEDIA DE X 2= 394.2857

DESV. TIPICA= 388.6186

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .56136236

COEF. DE CORRELACION PARCIALES

1 2 .56136236

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

.87526

.57705

TERMINO CONSTANTE= 154.8974

COEF. CORRELACION MULTIPLE R 1= .56136236

ERROR STAND. DE ESTIMACION S 1= 593.3164

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .36003      | .23737            |

TERMINO CONSTANTE= 214.2662

COEF. CORRELACION MULTIPLE R 2= .56136236

ERROR STAND. DE ESTIMACION S 2= 380.5331

| NANO | ESTIMACION |
|------|------------|
| 36   | 33.6       |
| 37   | 40.8       |
| 38   | 58.5       |
| 39   | 21.7       |
| 40   | 26.8       |
| 41   | 22.8       |
| 42   | 48.0       |
| 43   | 52.7       |
| 44   | 27.1       |
| 45   | 53.4       |
| 46   | 44.4       |
| 47   | 21.4       |
| 55   | 30.4       |
| 56   | 21.4       |
| 57   | 25.3       |
| 58   | 26.8       |
| 59   | 21.7       |
| 61   | 21.4       |
| 62   | 25.7       |

MES DE MAYO

MEDIA DE X 1= 1162.8571      DESV. TIPICA= 447.8748  
MEDIA DE X 2= 1130.0000      DESV. TIPIÇA= 397.7795

COEF. DE CORR. TOTALES (ORDEN CERO)  
1    2      .75375591

COEF. DE CORRELACION PARCIALES  
1    2      .75375591

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1    2    | .84868      | .33089            |

TERMINO CONSTANTE= 203.8466

COEF. CORRELACION MULTIPLE R 1= .75375591

ERROR STAND. DE ESTIMACION S 1= 348.2475

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

VARIABLES      COEF. REGR.      ERROR COEF. REGR.  
 2      1      .66944      .26101

TERMINO CONSTANTE= 351.5281

COEF. CORRELACION MULTIPLE R 2= .75375591

ERROR STAND. DE ESTIMACION S 2= 309.2957

| NANO | ESTIMACION |
|------|------------|
| 36   | 135.5      |
| 37   | 86.0       |
| 38   | 120.8      |
| 39   | 48.5       |
| 40   | 80.0       |
| 41   | 96.0       |
| 42   | 189.7      |
| 43   | 151.6      |
| 44   | 177.0      |
| 45   | 128.2      |
| 46   | 171.0      |
| 47   | 79.3       |
| 55   | 65.2       |
| 56   | 94.7       |
| 57   | 56.5       |
| 58   | 157.6      |
| 59   | 44.5       |
| 61   | 41.8       |
| 62   | 35.1       |

MES DE JUNIO

MEDIA DE X 1= 1741.4285

DESV. TIPICA= 785.7012

MEDIA DE X 2= 1717.1428

DESV. TIPICA= 1085.8139

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .70398771

COEF. DE CORRELACION PARCIALES

1 2 .70398771

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

.50940

.22982

TERMINO CONSTANTE= 866.6994

COEF. CORRELACION MULTIPLE R 1= .70398771

ERROR STAND. DE ESTIMACION S 1= 660.2517

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .97288      | .43893            |

TERMINO CONSTANTE= 22.9272

COEF. CORRELACION MULTIPLE R 2= .70398771

ERROR STAND. DE ESTIMACION S 2= 912.4467

| NANO | ESTIMACION |
|------|------------|
| 36   | 181.3      |
| 37   | 195.8      |
| 38   | 106.3      |
| 39   | 149.1      |
| 40   | 95.6       |
| 41   | 162.8      |
| 42   | 187.1      |
| 43   | 128.7      |
| 44   | 151.1      |
| 45   | 279.5      |
| 46   | 232.8      |
| 47   | 129.7      |
| 55   | 189.0      |
| 56   | 63.5       |
| 57   | 100.5      |
| 58   | 48.0       |
| 59   | 12.0       |
| 60   | 26.6       |
| 61   | 187.1      |
| 62   | 2.2        |

MES DE JULIO

MEDIA DE X 1= 1335.7142

DESV. TIPICA= 436.5729

MEDIA DE X 2= 1228.5714

DESV. TIPICA= 519.4895

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .68246453

COEF. DE CORRELACION PARCIALES

1 2 .68246453

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

.57353

.27470

TERMINO CONSTANTE= 631.0853

COEF. CORRELACION MULTIPLE R 1= .68246453

ERROR STAND. DE ESTIMACION S 1= 377.5634

NANO

ESTIMACION



VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .81208      | .38895            |

TERMINO CONSTANTE= 143.8613

COEF. CORRELACION MULTIPLE R 2= .68246453

ERROR STAND. DE ESTIMACION S 2= 449.2725

| NANO | ESTIMACION |
|------|------------|
| 36   | 201.9      |
| 37   | 102.0      |
| 38   | 102.0      |
| 39   | 90.7       |
| 40   | 122.3      |
| 41   | 140.2      |
| 42   | 83.4       |
| 43   | 184.9      |
| 44   | 135.3      |
| 45   | 119.1      |
| 46   | 130.5      |
| 47   | 165.4      |
| 55   | 93.1       |
| 56   | 101.2      |
| 57   | 115.0      |
| 58   | 161.3      |
| 59   | 51.7       |
| 60   | 67.1       |
| 61   | 188.1      |
| 62   | 14.3       |

MES DE AGOSTO

MEDIA DE X 1= 1198.5714

DESV. TIPICA= 252.6674

MEDIA DE X 2= 1252.8571

DESV. TIPICA= 372.1257

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .44233151

COEF. DE CORRELACION PARCIALES

1 2 .44233151

VARIABLE DEPENDIENTE X 1

VARIABLES COEF. REGR. ERROR COEF. REGR.

1 2 .30033 .27232

TERMINO CONSTANTE= 822.2933

COEF. CORRELACION MULTIPLE R 1= .44233151

ERROR STAND. DE ESTIMACION S 1= 268.1228

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .65146      | .59071            |

TERMINO CONSTANTE= 472.0347

COEF. CORRELACION MULTIPLE R 2= .44233151

ERROR STAND. DE ESTIMACION S 2= 394.8883

| NANO | ESTIMACION |
|------|------------|
| 36   | 105.8      |
| 37   | 74.5       |
| 38   | 207.4      |
| 39   | 131.8      |
| 40   | 140.3      |
| 41   | 143.6      |
| 42   | 101.2      |
| 43   | 76.5       |
| 44   | 201.5      |
| 45   | 94.7       |
| 46   | 150.1      |
| 47   | 115.6      |
| 55   | 90.8       |
| 56   | 141.6      |
| 57   | 118.8      |
| 58   | 84.9       |
| 59   | 101.2      |
| 60   | 86.2       |
| 61   | 131.8      |
| 62   | 47.2       |

MES DE SEPTIEMBRE

MEDIA DE X 1= 1081.4285

DESV. TIPICA= 253.7956

MEDIA DE X 2= 1484.2857

DESV. TIPICA= 641.2455

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .69447417

COEF. DE CORRELACION PARCIALES

1 2 .69447417

VARIABLE PENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

.27486

.12735

TERMINO CONSTANTE= 673.4536

COEF. CORRELACION MULTIPLE R 1= .69447417

ERROR STAND. DE ESTIMACION S 1= 216.0676

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | 1.75467     | .81301            |

TERMINO CONSTANTE= -413.2681

COEF. CORRELACION MULTIPLE R 2= .69447417

ERROR STAND. DE ESTIMACION S 2= 545.9210

| NANO | ESTIMACION |
|------|------------|
| 36   | 46.4       |
| 37   | 242.9      |
| 38   | 242.9      |
| 39   | 20.0       |
| 40   | 60.4       |
| 41   | 69.2       |
| 42   | 104.3      |
| 43   | 72.7       |
| 44   | 46.4       |
| 45   | 106.0      |
| 46   | 58.6       |
| 47   | 104.3      |
| 55   | 135.8      |
| 56   | 179.7      |
| 57   | 142.9      |
| 58   | 0.0        |
| 59   | 0.0        |
| 60   | 18.3       |
| 61   | 151.6      |
| 62   | 0.0        |

MES DE OCTUBRE

MEDIA DE X 1= 1707.1428

DESV. TIPICA= 911.4935

MEDIA DE X 2= 1725.7142

DESV. TIPICA= 784.5445

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .66148201

COEF. DE CORRELACION PARCIALES

1 2 .66148201

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

.76851

.38966

TERMINO CONSTANTE= 380.9005

COEF. CORRELACION MULTIPLE R 1= .66148201

ERROR STAND. DE ESTIMACION S 1= 808.8282

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .56935      | .28868            |

TERMINO CONSTANTE= 753.7463

COEF. CORRELACION MULTIPLE R 2= .66148201

ERROR STAND. DE ESTIMACION S 2= 696.1780

| NANO | ESTIMACION |
|------|------------|
| 36   | 181.2      |
| 37   | 146.5      |
| 38   | 164.7      |
| 39   | 154.5      |
| 40   | 141.4      |
| 41   | 106.1      |
| 42   | 129.4      |
| 43   | 194.3      |
| 44   | 171.5      |
| 45   | 108.9      |
| 46   | 161.9      |
| 47   | 141.9      |
| 55   | 156.2      |
| 56   | 137.4      |
| 57   | 137.4      |
| 58   | 81.6       |
| 59   | 81.0       |
| 60   | 103.8      |
| 62   | 75.3       |

MES DE NOVIEMBRE

MEDIA DE X 1= 1090.0000

DESV. TIPICA= 706.0959

MEDIA DE X 2= 828.5714

DESV. TIPICA= 337.4453

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .85911372

COEF. DE CORRELACION PARCIALES

1 2 .85911372

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

1.79767

.47891

TERMINO CONSTANTE= -399.5010

COEF. CORRELACION MULTIPLE R 1= .85911372

ERROR STAND. DE ESTIMACION S 1= 427.5776

NANO

ESTIMACION



VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .41057      | .10938            |

TERMINO CONSTANTE= 381.0467

COEF. CORRELACION MULTIPLE R 2= .85911372

ERROR STAND. DE ESTIMACION S 2= 204.3406

| NANO | ESTIMACION |
|------|------------|
| 35   | 82.0       |
| 36   | 119.8      |
| 37   | 72.1       |
| 38   | 146.9      |
| 39   | 68.8       |
| 40   | 67.2       |
| 41   | 65.2       |
| 42   | 82.4       |
| 43   | 79.1       |
| 44   | 126.7      |
| 45   | 71.7       |
| 46   | 57.4       |
| 47   | 45.4       |
| 55   | 60.6       |
| 56   | 62.3       |
| 57   | 80.8       |
| 58   | 52.4       |
| 59   | 40.9       |
| 60   | 54.1       |
| 61   | 56.9       |
| 62   | 38.1       |

MES DE DICIEMBRE

MEDIA DE X 1= 731.4285

DESV. TIPICA= 350.7717

MEDIA DE X 2= 862.8571

DESV. TIPICA= 455.6224

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .83216333

COEF. DE CORRELACION PARCIALES

1 2 .83216333

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR | COEF. REGR. |
|-----------|-------------|-------|-------------|
| 1 2       | .64066      |       | .19092      |

TERMINO CONSTANTE= 178.6299

COEF. CORRELACION MULTIPLE R 1= .83216333

ERROR STAND. DE ESTIMACION S 1= 230.1516

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | 1.08090     | .32212            |

TERMINO CONSTANTE= 72.2494

COEF. CORRELACION MULTIPLE R 2= .83216333

ERROR STAND. DE ESTIMACION S 2= 298.9473

| NANO | ESTIMACION |
|------|------------|
| 35   | 65.5       |
| 36   | 47.2       |
| 37   | 80.7       |
| 38   | 157.4      |
| 39   | 42.8       |
| 40   | 7.2        |
| 41   | 11.5       |
| 42   | 100.1      |
| 43   | 16.9       |
| 44   | 42.8       |
| 45   | 33.1       |
| 46   | 98.0       |
| 47   | 58.0       |
| 55   | 25.6       |
| 56   | 91.5       |
| 57   | 25.6       |
| 58   | 76.4       |
| 59   | 11.5       |
| 60   | 47.2       |
| 61   | 15.8       |
| 62   | 7.2        |

| *  | EL ENCANTADO |        |        | EDO.MIRANDA |        | PART   |
|----|--------------|--------|--------|-------------|--------|--------|
|    | .9           | .9     | .9     | .9          | .9     | .9     |
| 35 | .9           | .9     | .9     | .9          | 1070.0 | 540.0  |
| 36 | 90.0         | 10.0   | 0.0    | 340.0       | 1500.0 | 1840.0 |
|    | 2310.0       | 900.0  | 500.0  | 1860.0      | 1990.0 | 370.0  |
| 37 | 620.0        | 40.0   | 80.0   | 540.0       | 760.0  | 1990.0 |
|    | 1080.0       | 420.0  | 1620.0 | 1250.0      | 830.0  | 680.0  |
| 38 | 170.0        | 250.0  | 650.0  | 1030.0      | 1280.0 | 1070.0 |
|    | 1080.0       | 2460.0 | 1620.0 | 1570.0      | 2650.0 | 1390.0 |
| 39 | 200.0        | 80.0   | 0.0    | 10.0        | 200.0  | 1510.0 |
|    | 940.0        | 1300.0 | 350.0  | 1390.0      | 750.0  | 330.0  |
| 40 | 0.0          | 260.0  | 20.0   | 150.0       | 670.0  | 960.0  |
|    | 1330.0       | 1430.0 | 580.0  | 1160.0      | 710.0  | 0.0    |
| 41 | 50.0         | 0.0    | 0.0    | 40.0        | 910.0  | 1650.0 |
|    | 1550.0       | 1480.0 | 630.0  | 540.0       | 660.0  | 40.0   |
| 42 | 140.0        | 20.0   | 20.0   | 740.0       | 2310.0 | 1900.0 |
|    | 850.0        | 830.0  | 830.0  | 950.0       | 1080.0 | 860.0  |
| 43 | 510.0        | 110.0  | 180.0  | 870.0       | 1740.0 | 1300.0 |
|    | 2100.0       | 450.0  | 650.0  | 2090.0      | 1000.2 | 90.0   |
| 44 | 190.0        | 0.0    | 0.0    | 160.0       | 2120.0 | 1530.0 |
|    | 1490.0       | 2370.0 | 500.0  | 1690.0      | 2160.0 | 330.0  |
| 45 | 0.0          | 70.0   | 60.0   | 890.0       | 1390.0 | 2850.0 |
|    | 1290.0       | 730.0  | 840.0  | 590.0       | 820.0  | 240.0  |
| 46 | 190.0        | 0.0    | 0.0    | 640.0       | 2030.0 | 2370.0 |
|    | 1430.0       | 1580.0 | 570.0  | 1520.0      | 470.0  | 840.0  |
| 47 | 170.0        | 0.0    | 0.0    | 0.0         | 660.0  | 1310.0 |
|    | 1860.0       | 1050.0 | 830.0  | 1170.0      | 180.0  | 470.0  |
| 48 | 210.0        | 50.0   | 300.0  | 10.0        | 1110.0 | 2350.0 |
|    | 1830.0       | 1300.2 | 880.0  | 1300.2      | 450.2  | 300.2  |
| 49 | 0.0          | 90.0   | 40.0   | 50.2        | 430.0  | 1290.0 |
|    | 660.0        | 1140.0 | 650.0  | 2910.0      | 1180.0 | 1400.2 |
| 50 | 1700.2       | 120.0  | 60.0   | 170.0       | 1400.2 | 3300.2 |
|    | 930.0        | 1750.2 | 1000.2 | 3230.0      | 2420.0 | 650.0  |
| 51 | 250.2        | 1090.0 | 400.2  | 600.0       | 820.0  | 1900.0 |
|    | 1900.0       | 970.0  | 1190.0 | 850.0       | 1700.2 | 760.0  |
| 52 | 0.0          | 0.0    | 90.0   | 1840.0      | 1900.0 | 910.0  |
|    | 1290.0       | 930.0  | 1370.0 | 950.0       | 870.0  | 810.0  |
| 53 | 700.0        | 170.0  | 20.0   | 100.0       | 1500.0 | 1390.0 |
|    | 1100.0       | 1150.0 | 1430.0 | 950.0       | 190.0  | 300.0  |
| 54 | 210.0        | 70.0   | 190.0  | 730.0       | 980.0  | 1050.0 |
|    | 1640.0       | 1150.0 | 1050.0 | 1760.0      | 820.0  | 900.0  |
| 55 | 300.0        | 0.0    | 130.0  | 250.0       | 450.0  | 1920.0 |
|    | 970.0        | 670.0  | 1010.0 | 1420.0      | 550.0  | 170.0  |
| 56 | 1320.0       | 170.0  | 590.0  | 0.0         | 890.0  | 630.0  |
|    | 1070.0       | 1450.0 | 1260.0 | 1090.0      | 590.0  | 780.0  |
| 57 | 150.0        | 90.0   | 0.0    | 110.0       | 320.0  | 1010.0 |
|    | 1240.0       | 1100.0 | 1050.0 | 1090.0      | 1040.0 | 170.0  |
| 58 | 20.0         | 0.0    | 40.0   | 150.0       | 1830.0 | 470.0  |
|    | 1810.0       | 580.0  | 210.0  | 110.0       | 350.0  | 640.0  |
| 59 | 0.0          | 0.0    | 0.0    | 10.0        | 140.0  | 100.0  |
|    | 460.0        | 830.0  | 80.0   | 100.0       | 70.0   | 40.0   |

|    |                    |        |        |             |        |        |
|----|--------------------|--------|--------|-------------|--------|--------|
| 60 | 6.0                | 0.0    | 0.0    | .9          | .9     | 250.0  |
|    | 650.0              | 600.0  | 340.0  | 500.0       | 390.0  | 370.0  |
| 61 | 0.0                | 570.0  | 0.0    | 0.0         | 100.0  | 1900.0 |
|    | 2140.0             | 1300.0 | 1100.0 | .9          | 460.0  | 80.0   |
| 62 | .9                 | .9     | 320.0  | 120.0       | 0.0    | 0.0    |
|    | 0.0                | 0.0    | 0.0    | 0.0         | 0.0    | 0.0    |
|    |                    |        |        |             |        |        |
| *  | CARACAS LA CARLOTA |        |        | EDO.MIRANDA |        | SMN    |
| 55 | 0.0                | 0.0    | 0.0    | 330.0       | 480.0  | 2130.0 |
|    | 1060.0             | 960.0  | 1450.0 | 2790.0      | 590.0  | 120.0  |
| 56 | 820.0              | 40.0   | 670.0  | 0.0         | 660.0  | 600.0  |
|    | 840.0              | 1420.0 | 1160.0 | 880.0       | 490.0  | 1220.0 |
| 57 | 150.0              | 10.0   | .9     | 0.0         | 0.0    | 0.0    |
|    | 0.0                | 0.0    | 0.0    | 0.0         | 0.0    | 0.0    |
| 63 | 0.0                | 0.0    | 0.0    | 0.0         | 0.0    | 0.0    |
|    | 0.0                | 0.0    | 0.0    | 0.0         | 1180.0 | 210.0  |
| 64 | 20.0               | 0.0    | 0.0    | 90.0        | 250.0  | 2250.0 |
|    | 1380.0             | 1240.0 | 880.0  | 930.0       | 250.0  | 140.0  |
| 65 | 250.0              | 360.0  | 0.0    | 530.0       | 620.0  | 2010.0 |
|    | 2440.0             | 2320.0 | 970.0  | 830.0       | 910.0  | 100.0  |
| 66 | 340.0              | 110.0  | 0.0    | 490.0       | 700.0  | 0.0    |
|    | 0.0                | 0.0    | 0.0    | 0.0         | 0.0    | 0.0    |

MES DE ENERO

MEDIA DE X 1= 256.5714 DESV. TIPICA= 446.3396

MEDIA DE X 2= 225.7142 DESV. TIPICA= 271.7066

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .82578099

COEF. DE CORRELACION PARCIALES

1 2 .82578099

VARIABLE DEPENDIENTE X 1

VARIABLES COEF. REGR. ERROR COEF. REGR.

1 2 1.35653 .41433

TERMINO CONSTANTE= -49.6172

COEF. CORRELACION MULTIPLE R 1= .82578099

ERROR STAND. DE ESTIMACION S 1= 297.8527

NANO ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .50268      | .15354            |

TERMINO CONSTANTE= 96.7385

COEF. CORRELACION MULTIPLE R 2= .82578099

ERROR STAND. DE ESTIMACION S 2= 181.3160

| NANO | ESTIMACION |
|------|------------|
| 36   | 14.1       |
| 37   | 40.8       |
| 38   | 18.2       |
| 39   | 19.7       |
| 40   | 9.6        |
| 41   | 12.1       |
| 42   | 16.7       |
| 43   | 35.3       |
| 44   | 19.2       |
| 45   | 9.6        |
| 46   | 19.2       |
| 47   | 18.2       |
| 48   | 20.2       |
| 49   | 9.6        |
| 50   | 95.1       |
| 51   | 22.2       |
| 52   | 9.6        |
| 53   | 44.8       |
| 54   | 20.2       |

MES DE FEBRERO

MEDIA DE X 1= 118.5714

DESV. TIPICA= 194.0124

MEDIA DE X 2= 74.2857

DESV. TIPICA= 122.3411

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .05262031

COEF. DE CORRELACION PARCIALES

1 2 .05262031

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

.08344

.70822

TERMINO CONSTANTE= 112.3725

COEF. CORRELACION MULTIPLE R 1= .05262031

ERROR STAND. DE ESTIMACION S 1= 229.2405

NANO

ESTIMACION



VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .03318      | .28161            |

TERMINO CONSTANTE= 70.3513

COEF. CORRELACION MULTIPLE R 2= .05262031

ERROR STAND. DE ESTIMACION S 2= 144 5 54

| NANO | ESTIMACION |
|------|------------|
| 36   | 7.0        |
| 37   | 7.1        |
| 38   | 7.8        |
| 39   | 7.3        |
| 40   | 7.8        |
| 41   | 7.0        |
| 42   | 7.1        |
| 43   | 7.4        |
| 44   | 7.0        |
| 45   | 7.2        |
| 46   | 7.0        |
| 47   | 7.0        |
| 48   | 7.2        |
| 49   | 7.3        |
| 50   | 7.4        |
| 51   | 10.6       |
| 52   | 7.0        |
| 53   | 7.5        |
| 54   | 7.2        |

MES DE MARZO

MEDIA DE X 1= 126.6666 DESV. TIPICA= 212.2629  
 MEDIA DE X 2= 111.6666 DESV. TIPICA= 249.6942

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1 2 .97619003

COEF. DE CORRELACION PARCIALES  
 1 2 .97619003

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .82985      | .09219            |

TERMINO CONSTANTE= 34.0000

COEF. CORRELACION MULTIPLE R 1= .97619003

ERROR STAND. DE ESTIMACION S 1= 56.3914

NANO ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | 1.14833     | .12758            |

TERMINO CONSTANTE= -33.7891

COEF. CORRELACION MULTIPLE R 2= .97619003

ERROR STAND. DE ESTIMACION S 2= 66.3357

| NANO | ESTIMACION |
|------|------------|
| 36   | 0.0        |
| 37   | 5.8        |
| 38   | 71.2       |
| 39   | 0.0        |
| 40   | 0.0        |
| 41   | 0.0        |
| 42   | 0.0        |
| 43   | 17.2       |
| 44   | 0.0        |
| 45   | 3.5        |
| 46   | 0.0        |
| 47   | 0.0        |
| 48   | 31.0       |
| 49   | 1.2        |
| 50   | 3.5        |
| 51   | 42.5       |
| 52   | 6.9        |
| 53   | 0.0        |
| 54   | 18.4       |
| 57   | 0.0        |
| 62   | 33.3       |

MES DE ABRIL

MEDIA DE X 1= 86.6666 DESV. TIPICA= 93.2142  
 MEDIA DE X 2= 151.6666 DESV. TIPICA= 191.0860

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .04241849

COEF. DE CORRELACION PARCIALES

1 2 .04241849

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .02069      | .24368            |

TERMINO CONSTANTE= 83.5283

COEF. CORRELACION MULTIPLE R 1= .04241849

ERROR STAND. DE ESTIMACION S 1= 114.0608

NANO  
65

ESTIMACION  
9.4

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .08695      | 1.02406           |

TERMINO CONSTANTE= 144.1304

COEF. CORRELACION MULTIPLE R 2= .04241849

ERROR STAND. DE ESTIMACION S 2= 233.8210

| NANO | ESTIMACION |
|------|------------|
| 36   | 17.3       |
| 37   | 19.1       |
| 38   | 23.3       |
| 39   | 14.4       |
| 40   | 15.7       |
| 41   | 14.7       |
| 42   | 20.8       |
| 43   | 21.9       |
| 44   | 15.8       |
| 45   | 22.1       |
| 46   | 19.9       |
| 47   | 14.4       |
| 48   | 14.4       |
| 49   | 14.8       |
| 50   | 15.8       |
| 51   | 19.6       |
| 52   | 30.4       |
| 53   | 15.2       |
| 54   | 20.7       |
| 62   | 15.4       |

MES DE MAYO

MEDIA DE X 1= 621.6666

DESV. TIPICA= 599.5391

MEDIA DE X 2= 348.3333

DESV. TIPICA= 285.9147

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 -.38005096

COEF. DE CORRELACION PARCIALES

1 2 -.38005096

VARIABLE DEPENDIENTE X 1

VARIABLES COEF. REGR. ERROR COEF. REGR.

1 2 -.79693 .96978

TERMINO CONSTANTE= 899.2656

COEF. CORRELACION MULTIPLE R 1= .38005096

ERROR STAND. DE ESTIMACION S 1= 679.1860

NANO

ESTIMACION

65

40.5

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | -.18124     | .22055            |

TERMINO CONSTANTE= 461.0059

COEF. CORRELACION MULTIPLE R 2= .38005096

ERROR STAND. DE ESTIMACION S 2= 323.8975

| NANO | ESTIMACION |
|------|------------|
| 36   | 18.9       |
| 37   | 32.3       |
| 38   | 22.9       |
| 39   | 42.4       |
| 40   | 33.9       |
| 41   | 29.6       |
| 42   | 4.2        |
| 43   | 14.5       |
| 44   | 7.6        |
| 45   | 20.9       |
| 46   | 9.3        |
| 47   | 34.1       |
| 48   | 25.9       |
| 49   | 38.3       |
| 50   | 20.7       |
| 51   | 31.2       |
| 52   | 11.6       |
| 53   | 18.9       |
| 54   | 28.3       |
| 62   | 46.1       |

MES DE JUNIO

MEDIA DE X 1= 897.1428

DESV. TIPICA= 694.1328

MEDIA DE X 2= 998.5714

DESV. TIPICA= 1001.3908

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 -.22112567

COEF. DE CORRELACION PARCIALES

1 2 -.22112567

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

-.15327

.30232

TERMINO CONSTANTE= 1050.2012

COEF. CORRELACION MULTIPLE R 1= .22112567

ERROR STAND. DE ESTIMACION S 1= 800.9778

NANO

ESTIMACION



VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | -.31900     | .62920            |

TERMINO CONSTANTE= 1284.7662

COEF. CORRELACION MULTIPLE R 2= .22112567

ERROR STAND. DE ESTIMACION S 2= 1155.5307

| NANO | ESTIMACION |
|------|------------|
| 36   | 69.7       |
| 37   | 64.9       |
| 38   | 94.3       |
| 39   | 80.3       |
| 40   | 97.8       |
| 41   | 75.8       |
| 42   | 67.8       |
| 43   | 87.0       |
| 44   | 79.6       |
| 45   | 37.5       |
| 46   | 52.8       |
| 47   | 86.6       |
| 48   | 53.5       |
| 49   | 87.3       |
| 50   | 23.2       |
| 51   | 67.8       |
| 52   | 99.4       |
| 53   | 84.1       |
| 54   | 94.9       |
| 62   | 128.4      |

MES DE JULIO

MEDIA DE X 1= 1191.4285

DESV. TIPICA= 557.6334

MEDIA DE X 2= 817.1428

DESV. TIPICA= 846.2642

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 -.80741725

COEF. DE CORRELACION PARCIALES

1 2 -.80741725

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

-.53203

.17385

TERMINO CONSTANTE= 1626.1778

COEF. CORRELACION MULTIPLE R 1= .80741725

ERROR STAND. DE ESTIMACION S 1= 389.2698

NANO

ESTIMACION

## VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | -1.22533    | .40041            |

TERMINO CONSTANTE= 2277.0432

COEF. CORRELACION MULTIPLE R 2= .80741725

ERROR STAND. DE ESTIMACION S 2= 590.7557

| NANO | ESTIMACION |
|------|------------|
| 36   | 0.0        |
| 37   | 95.3       |
| 38   | 95.3       |
| 39   | 112.5      |
| 40   | 64.7       |
| 41   | 37.7       |
| 42   | 123.5      |
| 43   | 0.0        |
| 44   | 45.1       |
| 45   | 69.6       |
| 46   | 52.4       |
| 47   | 0.0        |
| 48   | 3.4        |
| 49   | 146.8      |
| 50   | 113.7      |
| 51   | 0.0        |
| 52   | 69.6       |
| 53   | 92.9       |
| 54   | 26.7       |
| 62   | 227.7      |

MES DE AGOSTO

MEDIA DE X 1= 932.8571 DESV. TIPICA= 326.2651

MEDIA DE X 2= 848.5714 DESV. TIPICA= 829.5855

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 -.22050007

COEF. DE CORRELACION PARCIALES

1 2 -.22050007

VARIABLE DEPENDIENTE X 1

VARIABLES COEF. REGR. ERROR COEF. REGR.

1 2 -.08671 .17155

TERMINO CONSTANTE= 1006.4450

COEF. CORRELACION MULTIPLE R 1= .22050007

ERROR STAND. DE ESTIMACION S 1= 376.5405

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | -.56065     | 1.10912           |

TERMINO CONSTANTE= 1371.5866

COEF. CORRELACION MULTIPLE R 2= .22050007

ERROR STAND. DE ESTIMACION S 2= 957.4192

| NANO | ESTIMACION |
|------|------------|
| 36   | 86.6       |
| 37   | 113.6      |
| 38   | 0.0        |
| 39   | 64.2       |
| 40   | 56.9       |
| 41   | 54.1       |
| 42   | 90.6       |
| 43   | 111.9      |
| 44   | 4.2        |
| 45   | 96.2       |
| 46   | 48.5       |
| 47   | 78.2       |
| 48   | 64.2       |
| 49   | 73.2       |
| 50   | 39.0       |
| 51   | 82.7       |
| 52   | 85.0       |
| 53   | 72.6       |
| 54   | 72.6       |
| 62   | 137.1      |

MES DE SEPTIEMBRE

MEDIA DE X 1= 721.4285

DESV. TIPICA= 454.0430

MEDIA DE X 2= 637.1428

DESV. TIPICA= 575.9145

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .05940056

COEF. DE CORRELACION PARCIALES

1 2 .05940056

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

.04683

.35195

TERMINO CONSTANTE= 691.5908

COEF. CORRELACION MULTIPLE R 1= .05940056

ERROR STAND. DE ESTIMACION S 1= 536.2823

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |       |             |
|-----------|-------------|-------|-------------|
| VARIABLES | COEF. REGR. | ERROR | COEF. REGR. |
| 2 1       | .07534      |       | .56625      |

TERMINO CONSTANTE= 582.7871

COEF. CORRELACION MULTIPLE R 2= .05940056

ERROR STAND. DE ESTIMACION S 2= 680.2280

| NANO | ESTIMACION |
|------|------------|
| 36   | 62.0       |
| 37   | 70.4       |
| 38   | 70.4       |
| 39   | 60.9       |
| 40   | 62.6       |
| 41   | 63.0       |
| 42   | 64.5       |
| 43   | 63.1       |
| 44   | 62.0       |
| 45   | 64.6       |
| 46   | 62.5       |
| 47   | 64.5       |
| 48   | 64.9       |
| 49   | 63.1       |
| 50   | 65.8       |
| 51   | 67.2       |
| 52   | 68.6       |
| 53   | 69.0       |
| 54   | 66.1       |
| 62   | 58.2       |

MES DE OCTUBRE

MEDIA DE X 1= 718.3333      DESV. TIPICA= 511.3191  
 MEDIA DE X 2= 905.0000      DESV. TIPICA= 930.7837

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1    2      .53525310

COEF. DE CORRELACION PARCIALES  
 1    2      .53525310

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1    2    | .29403      | .23201            |

TERMINO CONSTANTE= 452.2295

COEF. CORRELACION MULTIPLE R 1= .53525310

ERROR STAND. DE ESTIMACION S 1= 528.9759

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 66   | 45.2       |



VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .97435      | .76882            |

TERMINO CONSTANTE= 205.0903

COEF. CORRELACION MULTIPLE R 2= .53525310

ERROR STAND. DE ESTIMACION S 2= 962.9254

| NANO | ESTIMACION |
|------|------------|
| 36   | 201.7      |
| 37   | 142.3      |
| 38   | 173.4      |
| 39   | 155.9      |
| 40   | 133.5      |
| 41   | 73.1       |
| 42   | 113.0      |
| 43   | 224.1      |
| 44   | 185.1      |
| 45   | 77.9       |
| 46   | 168.6      |
| 47   | 134.5      |
| 48   | 147.1      |
| 49   | 304.0      |
| 50   | 335.2      |
| 51   | 103.3      |
| 52   | 113.0      |
| 53   | 113.0      |
| 54   | 191.9      |
| 62   | 20.5       |

MES DE NOVIEMBRE

MEDIA DE X 1= 492.8571 DESV. TIPICA= 273.3242

MEDIA DE X 2= 488.5714 DESV. TIPICA= 414.0886

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 -.36171244

COEF. DE CORRELACION PARCIALES

1 2 -.36171244

VARIABLE DEPENDIENTE X 1

VARIABLES COEF. REGR. ERROR COEF. REGR.

1 2 -.23875 .27520

TERMINO CONSTANTE= 609.5048

COEF. CORRELACION MULTIPLE R 1= .36171244

ERROR STAND. DE ESTIMACION S 1= 301.5039

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | -.54799     | .63165            |

TERMINO CONSTANTE= 758.6559

COEF. CORRELACION MULTIPLE R 2= .36171244

ERROR STAND. DE ESTIMACION S 2= 456.7811

| NANO | ESTIMACION |
|------|------------|
| 35   | 17.2       |
| 36   | 0.0        |
| 37   | 30.3       |
| 38   | 0.0        |
| 39   | 34.7       |
| 40   | 36.9       |
| 41   | 39.6       |
| 42   | 16.6       |
| 43   | 21.0       |
| 44   | 0.0        |
| 45   | 30.9       |
| 46   | 50.1       |
| 47   | 66.0       |
| 48   | 51.2       |
| 49   | 11.2       |
| 50   | 0.0        |
| 51   | 0.0        |
| 52   | 28.1       |
| 53   | 65.4       |
| 54   | 30.9       |
| 62   | 75.8       |

MES DE DICIEMBRE

MEDIA DE X 1= 321.4285      DESV. TIPICA= 266.5884  
MEDIA DE X 2= 255.7142      DESV. TIPICA= 399.7805

COEF. DE CORR. TOTALES (ORDEN CERO)

1    2      .76891901

COEF. DE CORRELACION PARCIALES

1    2      .76891901

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1    2    | .51274      | .19066            |

TERMINO CONSTANTE= 190.3127

COEF. CORRELACION MULTIPLE R 1= .76891901

ERROR STAND. DE ESTIMACION S 1= 201.6700

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | 1.15308     | .42877            |

TERMINO CONSTANTE= -114.9198

COEF. CORRELACION MULTIPLE R 2= .76891901

ERROR STAND. DE ESTIMACION S 2= 302.4278

| NANO | ESTIMACION |
|------|------------|
| 35   | 50.7       |
| 36   | 31.1       |
| 37   | 66.9       |
| 38   | 148.7      |
| 39   | 26.5       |
| 40   | 0.0        |
| 41   | 0.0        |
| 42   | 87.6       |
| 43   | 0.0        |
| 44   | 26.5       |
| 45   | 16.1       |
| 46   | 85.3       |
| 47   | 42.7       |
| 48   | 23.1       |
| 49   | 149.9      |
| 50   | 63.4       |
| 51   | 76.1       |
| 52   | 81.9       |
| 53   | 23.1       |
| 54   | 92.2       |
| 62   | 0.0        |

| *  | CARACAS SUBIDA AVILA |        |        | DTO.FEDERAL |        | INOS   |
|----|----------------------|--------|--------|-------------|--------|--------|
|    |                      |        |        |             |        |        |
| 48 | .9                   | .9     | .9     | .9          | .9     | .9     |
|    | .9                   | .9     | .9     | .9          | 204.6  | 36.6   |
| 49 | 74.0                 | 272.0  | 62.0   | 352.0       | 942.0  | 1728.0 |
|    | 540.0                | 1820.0 | 1238.0 | 2822.0      | 1758.0 | 1632.0 |
| 50 | 2624.0               | 526.0  | 112.0  | 402.0       | 1216.0 | 3876.0 |
|    | 788.0                | 2052.0 | 1456.0 | 3244.0      | 2308.0 | 896.0  |
| 51 | 764.0                | 4442.0 | 624.0  | 538.0       | 832.0  | 1424.0 |
|    | 2214.6               | 879.0  | 1395.0 | 544.0       | 1903.0 | 481.0  |
| 52 | 52.0                 | 0.0    | 88.0   | 794.0       | 1610.0 | 912.0  |
|    | 1100.0               | 1635.0 | 2059.0 | 1146.0      | 829.0  | 699.0  |
| 53 | 714.0                | 446.0  | 29.0   | 55.0        | 1442.0 | 2193.0 |
|    | 1239.0               | 1306.0 | 1549.0 | 1090.0      | 938.0  | 615.0  |
| 54 | 215.0                | 94.0   | 36.0   | 703.0       | 926.0  | 1284.0 |
|    | 1970.0               | 1760.0 | 1813.0 | 2786.0      | 848.0  | 1445.0 |
| 55 | 823.0                | 136.6  | 130.6  | 314.0       | 492.0  | 1869.0 |
|    | 1288.0               | 1484.0 | 2411.0 | 2730.0      | 845.0  | 362.0  |
| 56 | 1558.0               | 47.0   | 593.0  | 88.0        | 591.0  | 778.0  |
|    | 1324.0               | 1583.0 | 1316.0 | 991.0       | 1105.0 | 950.0  |
| 57 | 167.4                | 93.5   | 0.0    | 120.0       | 320.4  | 867.5  |
|    | 118.4                | 964.5  | 1711.0 | 2592.0      | 530.0  | 130.0  |
| 58 | 0.0                  | 36.0   | 2.0    | 127.0       | 1682.0 | 3463.0 |
|    | 2500.0               | 881.0  | 1136.0 | 198.0       | 878.0  | 106.0  |
| 59 | 79.0                 | 4.0    | 0.0    | 0.0         | 1303.0 | 914.0  |
|    | 1141.0               | 1470.0 | 909.0  | 945.0       | 329.0  | 100.0  |
| 60 | 27.0                 | 0.0    | 2.0    | 1437.0      | 1024.0 | 2527.0 |
|    | 1935.0               | 2135.0 | 727.0  | 527.0       | 924.0  | 1077.0 |
| 61 | 128.0                | 78.0   | 0.0    | 100.6       | 103.0  | 306.0  |
|    | 3078.0               | 1301.0 | 2599.0 | 1564.0      | 1141.0 | 204.0  |
| 62 | 110.0                | 55.0   | 80.0   | 17.0        | 1147.0 | 2155.0 |
|    | 1126.0               | 2071.0 | 632.0  | 1047.0      | 635.0  | 525.0  |
| 63 | 322.0                | 105.0  | 300.0  | 640.0       | 2345.0 | 2803.0 |
|    | 1131.0               | 949.0  | 1585.0 | 614.0       | 957.0  | 233.0  |
| 64 | 21.0                 | 0.0    | 4.0    | 103.0       | 259.0  | 2258.0 |
|    | 1769.0               | 769.6  | 191.0  | 558.0       | 217.0  | 412.0  |
| 65 | 364.0                | 620.0  | 0.0    | 251.0       | 705.0  | 1158.0 |
|    | 2215.0               | 2119.0 | 1082.0 | 624.0       | 1068.0 | 167.0  |
| 66 | 208.0                | 458.0  | 0.0    | 939.0       | 627.0  | 1820.0 |
|    | 1642.0               | 1617.0 | 1357.0 | 1456.0      | 1875.0 | 771.0  |

| *  | CAURIMARE |        |        | EDO.MIRANDA |        | INOS   |
|----|-----------|--------|--------|-------------|--------|--------|
|    |           |        |        |             |        |        |
| 49 | .9        | .9     | .9     | 50.2        | 400.2  | 1300.2 |
|    | 500.1     | 860.0  | 1120.0 | 2250.0      | 1060.0 | 1140.0 |
| 50 | 1260.0    | 140.0  | 60.0   | 190.0       | .9     | .9     |
|    | .9        | .9     | .9     | .9          | .9     | .9     |
| 51 | 240.0     | 1480.0 | 290.0  | 710.0       | 1270.0 | 1500.2 |
|    | 1800.2    | 800.2  | 1100.2 | 860.0       | 1930.0 | 970.0  |
| 52 | 120.0     | 40.0   | 80.0   | 1040.0      | 1730.0 | 1010.0 |
|    | 1170.0    | 1470.0 | 1100.0 | 1010.0      | 890.0  | 750.0  |
| 53 | 690.0     | 250.0  | 60.0   | 150.0       | 1350.0 | 1600.0 |
|    | 1240.0    | 1700.0 | 1880.0 | 700.0       | 660.0  | 360.0  |
| 54 | 180.0     | 40.0   | 110.0  | 1050.0      | 920.0  | 2250.0 |
|    | 1580.0    | .9     | .9     | .9          | .9     | .9     |
| 55 | 690.0     | 50.0   | 290.0  | 270.0       | 510.0  | 2250.0 |
|    | 1390.0    | 1020.0 | 1700.0 | 3040.0      | 1070.0 | 280.0  |
| 56 | 1020.0    | 210.0  | 470.0  | 50.0        | 660.0  | 890.0  |
|    | 1230.0    | 2090.0 | 1040.0 | 1150.0      | 1050.0 | 1270.0 |
| 57 | 500.0     | 90.0   | 10.0   | 130.0       | 440.0  | 1360.0 |
|    | 880.0     | 990.0  | 1480.0 | 1350.0      | 1330.0 | 300.0  |

|    |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|
| 58 | 39.0   | 58.0   | 0.0    | 178.0  | 1972.0 | 4014.0 |
|    | 2482.0 | 1010.0 | 772.0  | 325.0  | 722.0  | 240.0  |
| 59 | 36.0   | 8.6    | 8.0    | 310.0  | 1655.0 | 1345.0 |
|    | 953.6  | 1250.0 | 1127.6 | 1319.6 | 513.0  | 315.0  |
| 60 | 15.0   | 6.0    | 4.0    | 1111.0 | 1131.0 | 1815.0 |
|    | 1868.0 | 2003.0 | 1400.0 | 229.0  | 770.0  | 909.0  |
| 61 | 57.0   | 13.0   | 0.0    | 159.0  | 80.0   | 427.0  |
|    | 2822.0 | 1069.0 | 2426.0 | 1628.0 | 1121.0 | 224.0  |
| 62 | 154.0  | 59.0   | 205.0  | 345.0  | 1310.0 | 2078.0 |
|    | 1089.0 | 2073.0 | 1678.0 | 1628.0 | 674.0  | 503.0  |
| 63 | 192.0  | 95.0   | 722.0  | 442.0  | 2787.0 | 2521.0 |
|    | 1254.0 | 827.0  | 2117.0 | 1132.0 | 1063.0 | 269.0  |
| 64 | 57.0   | 0.0    | 10.0   | 190.0  | 240.0  | 2524.0 |
|    | 1704.0 | 1513.0 | 1564.0 | 1847.0 | 209.0  | 344.0  |
| 65 | 624.0  | 410.0  | 0.0    | 165.0  | 759.0  | 2069.0 |
|    | 2720.0 | 2468.0 | 1249.0 | 917.0  | 772.0  | 218.0  |
| 66 | 221.0  | 354.0  | 0.0    | 549.0  | 714.0  | 2091.0 |
|    | 1668.0 | 1895.0 | 1205.0 | 1538.0 | 1734.0 | 867.0  |

| *  | CHACAITO |        |        | DTO.FEDERAL |        | INOS R |
|----|----------|--------|--------|-------------|--------|--------|
| 50 | .9       | .9     | .9     | 98.6        | 1276.0 | 2896.0 |
|    | 538.0    | 2586.0 | 612.6  | 2694.0      | 2032.0 | 472.6  |
| 51 | 266.6    | 3298.0 | 556.0  | 740.0       | 508.0  | 994.0  |
|    | 1284.0   | 608.4  | 2019.5 | 565.0       | 1675.0 | 444.0  |
| 52 | 50.0     | .6     | 38.0   | 1054.0      | 1650.0 | 630.0  |
|    | 990.0    | 1100.0 | 1904.0 | 1560.4      | 1056.5 | 624.0  |
| 53 | 500.0    | 378.0  | 64.0   | 262.6       | 853.6  | 1458.4 |
|    | 1176.5   | 848.0  | 1491.0 | 326.0       | 1439.0 | 452.0  |
| 54 | 139.0    | 42.0   | 154.0  | 854.0       | 662.0  | 1420.0 |
|    | 1669.0   | 829.0  | 1452.0 | 2188.6      | 716.0  | 925.0  |
| 55 | 554.0    | 24.0   | 132.0  | 604.0       | 576.0  | 1864.0 |
|    | 1106.6   | 1935.6 | 1955.6 | 2364.0      | 810.0  | 419.0  |
| 56 | 904.0    | 35.0   | 289.0  | .6          | 209.6  | 742.6  |
|    | 661.6    | 1627.6 | 894.6  | 268.6       | 439.0  | 1015.0 |
| 57 | 158.6    | 13.0   | 0.0    | 232.0       | 495.0  | 1929.0 |
|    | 986.0    | 1453.0 | 1937.0 | 1838.0      | 1424.0 | 218.0  |
| 58 | 34.0     | 66.0   | 0.0    | 396.0       | 1357.0 | 3772.0 |
|    | 1468.6   | 1170.6 | 2061.6 | 577.6       | 1189.0 | 141.0  |
| 59 | 14.0     | 0.0    | 0.0    | 0.0         | 1275.0 | 965.0  |
|    | 1033.0   | 1165.0 | 1536.0 | 618.0       | 147.0  | 88.0   |
| 60 | 6.0      | 90.0   | 90.0   | 1155.6      | 335.4  | 1767.6 |
|    | 1130.0   | 1921.6 | 880.6  | 256.6       | 1667.2 | 901.6  |
| 61 | 69.0     | 55.0   | 0.0    | 50.0        | 133.0  | 379.0  |
|    | 2191.6   | 1140.6 | 2472.0 | 1006.0      | 877.0  | 84.0   |
| 62 | 313.0    | 22.0   | 42.2   | 0.0         | 1522.0 | 1719.0 |
|    | 1442.6   | 1891.0 | 343.0  | 1016.0      | 722.0  | 465.0  |
| 63 | 357.6    | 127.6  | 88.0   | 588.0       | 3008.0 | 1654.0 |
|    | 979.0    | 541.0  | 1016.0 | 430.0       | 755.6  | 114.0  |
| 64 | 18.0     | .6     | 8.6    | 162.0       | 212.0  | 1636.0 |
|    | 1527.0   | 1377.0 | 1354.0 | 988.0       | 238.0  | 227.0  |
| 65 | 525.0    | 242.0  | 0.0    | 230.0       | 752.0  | 1408.6 |
|    | 1831.6   | 2342.0 | 728.0  | 725.0       | 968.0  | 68.0   |
| 66 | 167.0    | 366.0  | 0.0    | 886.0       | 924.0  | 1874.0 |
|    | 1409.0   | 582.0  | 934.0  | 878.0       | 1129.0 | 589.0  |

MES DE ENERO

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 330.6923 | DESV. TIPICA= | 434.4250 |
| MEDIA DE X 2= | 300.2307 | DESV. TIPICA= | 320.9447 |
| MEDIA DE X 3= | 253.3076 | DESV. TIPICA= | 273.1253 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .94106620 |
| 1 | 3 | .93072912 |
| 2 | 3 | .97519393 |

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .41290398 |
| 1 | 3 | .17373739 |
| 2 | 3 | .80293750 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .92339      | .64409            |
| 1 3       | .42224      | .75686            |

TERMINO CONSTANTE= -53.4961

COEF. CORRELACION MULTIPLE R 1= .94289901

ERROR STAND. DE ESTIMACION S 1= 164.9808

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 57   | 40.8       |



VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .18463      | .12878            |
| 2 3       | .87260      | .20484            |

TERMINO CONSTANTE= 18.1366

COEF. CORRELACION MULTIPLE R 2= .97946753

ERROR STAND. DE ESTIMACION S 2= 73.7728

| NANO | ESTIMACION |
|------|------------|
| 49   | 3.1        |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .07148      | .12813            |
| 3 2       | .73883      | .17344            |

TERMINO CONSTANTE= 7.8470

COEF. CORRELACION MULTIPLE R 3= .97595192

ERROR STAND. DE ESTIMACION S 3= 67.8831

| NANO | ESTIMACION |
|------|------------|
| 49   | 1.3        |
| 50   | 112.6      |
| 51   | 23.9       |
| 57   | 37.7       |
| 63   | 17.2       |

MES DE FEBRERO

|               |          |               |           |
|---------------|----------|---------------|-----------|
| MEDIA DE X 1= | 627.6000 | DESV. TIPICA= | 1288.6844 |
| MEDIA DE X 2= | 288.0000 | DESV. TIPICA= | 420.6692  |
| MEDIA DE X 3= | 459.4000 | DESV. TIPICA= | 955.0224  |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .98033277 |
| 1 | 3 | .99667032 |
| 2 | 3 | .96992584 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .68710983  |
| 1 | 3 | .95388274  |
| 2 | 3 | -.44388481 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .70512      | .28181            |
| 1 3       | 1.04363     | .12413            |

TERMINO CONSTANTE= -54.9192

COEF. CORRELACION MULTIPLE R 1= .99824371

ERROR STAND. DE ESTIMACION S 1= 91.2471

| NANO | ESTIMACION |
|------|------------|
| 55   | .5         |
| 57   | 2.2        |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .66955      | .26759            |
| 2 3       | -.47324     | .36108            |

TERMINO CONSTANTE= 85.1934

COEF. CORRELACION MULTIPLE R 2= .98423896

ERROR STAND. DE ESTIMACION S 2= 88.9162

| NANO | ESTIMACION |
|------|------------|
| 49   | 26.7       |
| 59   | 8.7        |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .87185      | .10370            |
| 3 2       | -.41634     | .31767            |

TERMINO CONSTANTE= 32.1336

COEF. CORRELACION MULTIPLE R 3= .99732726

ERROR STAND. DE ESTIMACION S 3= 83.4002

| NANO | ESTIMACION |
|------|------------|
| 49   | 26.9       |
| 50   | 43.2       |
| 52   | 1.5        |
| 63   | 8.4        |
| 64   | 3.2        |

MES DE MARZO

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 125.2857 | DESV. TIPICA= | 211.7213 |
| MEDIA DE X 2= | 139.9285 | DESV. TIPICA= | 209.8415 |
| MEDIA DE X 3= | 94.3571  | DESV. TIPICA= | 149.9702 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .73953347 |
| 1 | 3 | .88521694 |
| 2 | 3 | .47335405 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .78219027  |
| 1 | 3 | .90255761  |
| 2 | 3 | -.57898906 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .41676      | .10009            |
| 1 3       | .97367      | .14005            |

TERMINO CONSTANTE= -24.9048

COEF. CORRELACION MULTIPLE R 1= .95707978

ERROR STAND. DE ESTIMACION S 1= 69.2257

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 55   | 22.4       |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | 1.46802     | .35256            |
| 2 3       | -1.17227    | .49773            |

TERMINO CONSTANTE= 66.6188

COEF. CORRELACION MULTIPLE R 2= .83594165

ERROR STAND. DE ESTIMACION S 2= 129.9235

| NANO | ESTIMACION |
|------|------------|
| 49   | 15.7       |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .83663      | .12033            |
| 3 2       | -.28596     | .12141            |

TERMINO CONSTANTE= 29.5532

COEF. CORRELACION MULTIPLE R 3= .92528343

ERROR STAND. DE ESTIMACION S 3= 64.1695

| NANO | ESTIMACION |
|------|------------|
| 49   | 8.1        |
| 50   | 10.6       |
| 64   | 3.0        |

MES DE ABRIL

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 378.8333 | DESV. TIPICA= | 314.4118 |
| MEDIA DE X 2= | 448.2500 | DESV. TIPICA= | 312.7515 |
| MEDIA DE X 3= | 478.8333 | DESV. TIPICA= | 344.2135 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .75964194 |
| 1 | 3 | .93097844 |
| 2 | 3 | .79064253 |

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .10544947 |
| 1 | 3 | .82968770 |
| 2 | 3 | .35140781 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .06320      | .19869            |
| 1 3       | .80496      | .18053            |

TERMINO CONSTANTE= -34.9452

COEF. CORRELACION MULTIPLE R 1= .93177404

ERROR STAND. DE ESTIMACION S 1= 131.8017

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 61   | 1.5        |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .17591      | .55299            |
| 2 3       | .56877      | .50511            |

TERMINO CONSTANTE= 109.2558

COEF. CORRELACION MULTIPLE R 2= .79327434

ERROR STAND. DE ESTIMACION S 2= 219.8818

NANO ESTIMACION

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .85516      | .19179            |
| 3 2       | .21710      | .19280            |

TERMINO CONSTANTE= 57.5480

COEF. CORRELACION MULTIPLE R 3= .93977612

ERROR STAND. DE ESTIMACION S 3= 135.8493

| NANO | ESTIMACION |
|------|------------|
| 49   | 36.9       |
| 50   | 44.2       |
| 53   | 13.7       |
| 56   | 14.3       |
| 60   | 152.7      |

MES DE MAYO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1002.5833 | DESV. TIPICA= | 621.2349 |
| MEDIA DE X 2= | 1162.2500 | DESV. TIPICA= | 750.7526 |
| MEDIA DE X 3= | 1048.2500 | DESV. TIPICA= | 757.0877 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .98743043 |
| 1 | 3 | .93648414 |
| 2 | 3 | .91454727 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .92327793  |
| 1 | 3 | .52295524  |
| 2 | 3 | -.18339259 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .66243      | .09186            |
| 1 3       | .16768      | .09110            |

TERMINO CONSTANTE= 56.8959

COEF. CORRELACION MULTIPLE R 1= .99088382

ERROR STAND. DE ESTIMACION S 1= 96.6394

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 57   | 43.1       |



VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | 1.28683     | .17846            |
| 2 3       | -.08195     | .14643            |

TERMINO CONSTANTE= -41.9925

COEF. CORRELACION MULTIPLE R 2= .98785578

ERROR STAND. DE ESTIMACION S 2= 134.6924

| NANO | ESTIMACION |
|------|------------|
| 50   | 141.8      |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | 1.63096     | .88609            |
| 3 2       | -.41036     | .73323            |

TERMINO CONSTANTE= -109.9789

COEF. CORRELACION MULTIPLE R 3= .93869020

ERROR STAND. DE ESTIMACION S 3= 301.3940

| NANO | ESTIMACION |
|------|------------|
| 49   | 126.2      |
| 53   | 168.7      |
| 56   | 58.3       |
| 60   | 109.6      |

MES DE JUNIO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1746.1818 | DESV. TIPICA= | 868.3252 |
| MEDIA DE X 2= | 2000.9090 | DESV. TIPICA= | 898.2317 |
| MEDIA DE X 3= | 1537.0000 | DESV. TIPICA= | 856.6144 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .93567446 |
| 1 | 3 | .88978166 |
| 2 | 3 | .95431006 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .63461681  |
| 1 | 3 | -.02979719 |
| 2 | 3 | .75609885  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .93698      | .40341            |
| 1 3       | -.03566     | .42301            |

TERMINO CONSTANTE= -73.8132

COEF. CORRELACION MULTIPLE R 1= .93573353

ERROR STAND. DE ESTIMACION S 1= 359.1275

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 57   | 113.1      |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .42982      | .18506            |
| 2 3       | .61299      | .18759            |

TERMINO CONSTANTE= 308.1833

COEF. CORRELACION MULTIPLE R 2= .97296924

ERROR STAND. DE ESTIMACION S 2= 243.2366

| NANO | ESTIMACION |
|------|------------|
| 50   | 374.9      |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | -.02489     | .29523            |
| 3 2       | .93261      | .28540            |

TERMINO CONSTANTE= -285.6017

COEF. CORRELACION MULTIPLE R 3= .95435159

ERROR STAND. DE ESTIMACION S 3= 300.0204

| NANO | ESTIMACION |
|------|------------|
| 49   | 88.3       |
| 53   | 115.1      |
| 56   | 52.5       |
| 60   | 134.4      |
| 65   | 161.5      |

MES DE JULIO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1591.1666 | DESV. TIPICA= | 353.3041 |
| MEDIA DE X 2= | 1540.6666 | DESV. TIPICA= | 248.7158 |
| MEDIA DE X 3= | 1284.0000 | DESV. TIPICA= | 266.4820 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .90461045 |
| 1 | 3 | .75628543 |
| 2 | 3 | .54505025 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .89768504  |
| 1 | 3 | .73658760  |
| 2 | 3 | -.49878680 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .99507      | .28200            |
| 1 3       | .49648      | .26320            |

TERMINO CONSTANTE= -579.3938

COEF. CORRELACION MULTIPLE R 1= .95754507

ERROR STAND. DE ESTIMACION S 1= 144.0401

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 51   | 184.9      |
| 57   | 78.5       |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .80982      | .22950            |
| 2 3       | -.30329     | .30427            |

TERMINO CONSTANTE= 641.5246

COEF. CORRELACION MULTIPLE R 2= .92925772

ERROR STAND. DE ESTIMACION S 2= 129.9430

| NANO | ESTIMACION |
|------|------------|
| 50   | 111.6      |
| 59   | 125.2      |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | 1.09280     | .57932            |
| 3 2       | -.82028     | .82294            |

TERMINO CONSTANTE= 808.9475

COEF. CORRELACION MULTIPLE R 3= .82368506

ERROR STAND. DE ESTIMACION S 3= 213.6989

| NANO | ESTIMACION |
|------|------------|
| 49   | 98.8       |
| 53   | 114.5      |
| 55   | 107.6      |
| 56   | 124.6      |
| 58   | 150.5      |
| 61   | 185.7      |
| 62   | 114.6      |
| 65   | 99.8       |

MES DE AGOSTO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1595.2857 | DESV. TIPICA= | 381.6687 |
| MEDIA DE X 2= | 1669.0000 | DESV. TIPICA= | 503.9529 |
| MEDIA DE X 3= | 1209.8571 | DESV. TIPICA= | 624.7626 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .88780335 |
| 1 | 3 | .86361962 |
| 2 | 3 | .73979893 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .73377616  |
| 1 | 3 | .66792518  |
| 2 | 3 | -.11604873 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .41640      | .19276            |
| 1 3       | .27910      | .15549            |

TERMINO CONSTANTE= 562.6399

COEF. CORRELACION MULTIPLE R 1= .93951380

ERROR STAND. DE ESTIMACION S 1= 172.9339

| NANO | ESTIMACION |
|------|------------|
| 57   | 138.0      |
| 64   | 157.6      |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | 1.29305     | .59860            |
| 2 3       | -.08545     | .36569            |

TERMINO CONSTANTE= -290.4031

COEF. CORRELACION MULTIPLE R 2= .88940836

ERROR STAND. DE ESTIMACION S 2= 304.7425

| NANO | ESTIMACION |
|------|------------|
| 50   | 214.1      |
| 54   | 191.4      |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | 1.59842     | .89051            |
| 3 2       | -.15759     | .67443            |

TERMINO CONSTANTE=-1077.0542

COEF. CORRELACION MULTIPLE R 3= .86559905

ERROR STAND. DE ESTIMACION S 3= 413.8513

| NANO | ESTIMACION |
|------|------------|
| 49   | 169.6      |
| 51   | 20.1       |
| 55   | 113.4      |
| 56   | 112.3      |
| 58   | 17.1       |
| 60   | 201.9      |
| 61   | 83.4       |

MES DE SEPTIEMBRE

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1418.3333 | DESV. TIPICA= | 681.2147 |
| MEDIA DE X 2= | 1633.2222 | DESV. TIPICA= | 417.5374 |
| MEDIA DE X 3= | 1353.2222 | DESV. TIPICA= | 633.8346 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .33894385 |
| 1 | 3 | .72975653 |
| 2 | 3 | .31451325 |

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .16860382 |
| 1 | 3 | .69777138 |
| 2 | 3 | .10442006 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .19812      | .47286            |
| 1 3       | .74325      | .31150            |

TERMINO CONSTANTE= 88.9543

COEF. CORRELACION MULTIPLE R 1= .73880516

ERROR STAND. DE ESTIMACION S 1= 562.2603

NANO

ESTIMACION



VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .14347      | .34244            |
| 2 3       | .09465      | .36803            |

TERMINO CONSTANTE= 1301.6337

COEF. CORRELACION MULTIPLE R 2= .35289354

ERROR STAND. DE ESTIMACION S 2= 478.4766

| NANO | ESTIMACION |
|------|------------|
| 50   | 151.0      |
| 54   | 169.9      |
| 59   | 157.7      |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .65506      | .27453            |
| 3 2       | .11519      | .44791            |

TERMINO CONSTANTE= 235.9773

COEF. CORRELACION MULTIPLE R 3= .73324042

ERROR STAND. DE ESTIMACION S 3= 527.8506

| NANO | ESTIMACION |
|------|------------|
| 49   | 117.5      |
| 50   | 118.9      |
| 51   | 127.6      |
| 55   | 201.1      |
| 56   | 121.7      |
| 58   | 106.9      |
| 60   | 87.3       |

MES DE OCTUBRE

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1281.9000 | DESV. TIPICA= | 772.1852 |
| MEDIA DE X 2= | 1464.0000 | DESV. TIPICA= | 637.2341 |
| MEDIA DE X 3= | 1013.6000 | DESV. TIPICA= | 601.6840 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .61986838 |
| 1 | 3 | .87608795 |
| 2 | 3 | .82455523 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.37579701 |
| 1 | 3 | .82206138  |
| 2 | 3 | .74401556  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.38807     | .36169            |
| 1 3       | 1.46323     | .38307            |

TERMINO CONSTANTE= 366.8952

COEF. CORRELACION MULTIPLE R 1= .89462857

ERROR STAND. DE ESTIMACION S 1= 412.3784

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.36391     | .33918            |
| 2 3       | 1.28243     | .43529            |

TERMINO CONSTANTE= 630.6202

COEF. CORRELACION MULTIPLE R 2= .85152696

ERROR STAND. DE ESTIMACION S 2= 399.3363

| NANO | ESTIMACION |
|------|------------|
| 50   | 290.4      |
| 54   | 0.0        |
| 59   | 107.9      |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .46184      | .12090            |
| 3 2       | .43164      | .14651            |

TERMINO CONSTANTE= -210.3647

COEF. CORRELACION MULTIPLE R 3= .94668682

ERROR STAND. DE ESTIMACION S 3= 231.6779

| NANO | ESTIMACION |
|------|------------|
| 49   | 206.4      |
| 52   | 75.4       |
| 54   | 107.6      |
| 56   | 74.3       |
| 58   | 2.1        |
| 60   | 13.1       |

MES DE NOVIEMBRE

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 952.9230 | DESV. TIPICA= | 484.6677 |
| MEDIA DE X 2= | 965.7692 | DESV. TIPICA= | 462.9552 |
| MEDIA DE X 3= | 978.7692 | DESV. TIPICA= | 486.1168 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .83633855 |
| 1 | 3 | .53239784 |
| 2 | 3 | .53237331 |

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .77160297 |
| 1 | 3 | .18780337 |
| 2 | 3 | .18770975 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .80777      | .21058            |
| 1 3       | .12126      | .20055            |

TERMINO CONSTANTE= 54.1101

COEF. CORRELACION MULTIPLE R 1= .84265186

ERROR STAND. DE ESTIMACION S 1= 297.5556

NANO ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .73704      | .19214            |
| 2 3       | .11577      | .19157            |

TERMINO CONSTANTE= 150.1017

COEF. CORRELACION MULTIPLE R 2= .84264560

ERROR STAND. DE ESTIMACION S 2= 284.2307

| NANO | ESTIMACION |
|------|------------|
| 50   | 208.6      |
| 54   | 85.8       |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .29085      | .48104            |
| 3 2       | .30434      | .50360            |

TERMINO CONSTANTE= 407.6782

COEF. CORRELACION MULTIPLE R 3= .55560341

ERROR STAND. DE ESTIMACION S 3= 460.8367

| NANO | ESTIMACION |
|------|------------|
| 49   | 124.1      |
| 52   | 91.9       |
| 63   | 100.9      |

MES DE DICIEMBRE

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 411.0714 | DESV. TIPICA= | 262.9170 |
| MEDIA DE X 2= | 493.5714 | DESV. TIPICA= | 322.2290 |
| MEDIA DE X 3= | 353.4285 | DESV. TIPICA= | 262.1800 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .83852815 |
| 1 | 3 | .94148670 |
| 2 | 3 | .87887724 |

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .06889095 |
| 1 | 3 | .78685982 |
| 2 | 3 | .48688694 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .03971      | .17340            |
| 1 3       | .90123      | .21311            |

TERMINO CONSTANTE= 72.9474

COEF. CORRELACION MULTIPLE R 1= .94177299

ERROR STAND. DE ESTIMACION S 1= 99.7350

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .11950      | .52177            |
| 2 3       | .96734      | .52324            |

TERMINO CONSTANTE= 102.5595

COEF. CORRELACION MULTIPLE R 2= .87949148

ERROR STAND. DE ESTIMACION S 2= 173.0060

| NANO | ESTIMACION |
|------|------------|
| 50   | 20.9       |
| 54   | 117.0      |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .68700      | .16245            |
| 3 2       | .24506      | .13255            |

TERMINO CONSTANTE= -49.9326

COEF. CORRELACION MULTIPLE R 3= .95568183

ERROR STAND. DE ESTIMACION S 3= 87.0777

| NANO | ESTIMACION |
|------|------------|
| 49   | 135.0      |
| 50   | 56.5       |
| 60   | 91.2       |

| *  | CARACAS-CD.UNIVERSITARIA DTO.FEDERAL |        |        |        |        | INOS   |
|----|--------------------------------------|--------|--------|--------|--------|--------|
|    |                                      |        |        |        |        |        |
| 49 | .9                                   | .9     | .9     | .2     | 300.2  | 1420.0 |
|    | 550.0                                | 220.0  | 650.0  | 2000.0 | 880.0  | 1010.0 |
| 50 | 1120.0                               | 140.0  | 160.0  | 220.0  | 940.0  | 2150.0 |
|    | 650.0                                | 2400.0 | 610.0  | 2070.0 | 790.6  | 410.0  |
| 51 | 390.0                                | 1890.0 | 340.0  | 600.0  | 830.0  | 1470.0 |
|    | 1360.0                               | 480.0  | 1150.0 | 460.0  | 1160.0 | 510.0  |
| 52 | 10.0                                 | 0.0    | 30.0   | 730.0  | 1400.0 | 590.0  |
|    | 730.0                                | 1160.0 | 1720.0 | 730.0  | 800.0  | 670.0  |
| 53 | 300.0                                | 370.0  | 10.0   | 220.0  | 910.0  | 990.0  |
|    | 1060.0                               | 670.0  | 2140.0 | 850.0  | 480.0  | 410.0  |
| 54 | 130.0                                | 180.0  | 660.0  | 1120.0 | 540.0  | 1120.0 |
|    | 1320.0                               | 650.0  | 1180.0 | 2880.0 | 640.0  | 950.0  |
| 55 | 150.0                                | 10.0   | 100.0  | 580.0  | 400.0  | 2140.0 |
|    | 1050.0                               | 920.0  | 1690.0 | 1750.0 | 920.0  | 1060.0 |
| 56 | 124.0                                | 24.0   | 127.0  | 74.0   | 508.0  | 664.0  |
|    | 802.0                                | 1687.0 | 446.0  | 602.0  | 503.0  | 617.0  |
| 57 | 122.0                                | 14.0   | 0.0    | 4.0    | 444.0  | 1113.0 |
|    | 761.0                                | 1049.0 | 1185.0 | 1055.0 | 565.0  | 66.0   |
| 58 | 20.0                                 | 44.0   | 0.0    | 154.0  | 1413.0 | 2890.0 |
|    | 1479.0                               | 1275.0 | 586.0  | 676.0  | 432.0  | 102.0  |
| 59 | 5.0                                  | 1.0    | 0.0    | 11.0   | 1018.0 | 498.0  |
|    | 1049.0                               | 575.0  | 1176.0 | 787.0  | 1239.0 | 23.0   |
| 60 | 51.0                                 | 42.0   | 48.0   | 1260.0 | 901.0  | 1623.0 |
|    | 1317.0                               | 1868.0 | 1156.0 | 238.0  | 1178.0 | 816.0  |
| 61 | 8.0                                  | 28.0   | 68.0   | 14.0   | 193.0  | 507.0  |
|    | 1903.0                               | 1142.0 | 915.0  | 240.0  | 839.0  | 121.0  |
| 62 | 29.0                                 | 9.0    | 63.0   | 41.0   | 784.0  | 1504.0 |
|    | 750.0                                | 1526.0 | 492.0  | 915.0  | 528.0  | 372.0  |
| 63 | 192.0                                | 19.0   | 119.0  | 365.0  | 2417.0 | 1229.0 |
|    | 762.0                                | 489.0  | 789.0  | 974.0  | 812.6  | 170.0  |
| 64 | 15.0                                 | 0.0    | 0.0    | 414.0  | 581.0  | 1604.0 |
|    | 1718.0                               | 1019.0 | 676.0  | 836.0  | 348.0  | 36.0   |
| 65 | 343.0                                | 161.0  | 0.0    | 35.0   | 709.0  | 1147.0 |
|    | 2012.0                               | 1761.0 | 623.0  | 209.0  | 653.0  | 71.0   |
| 66 | 243.0                                | 110.0  | 0.0    | 876.0  | 687.0  | 1696.0 |
|    | 1022.0                               | 398.0  | 671.0  | 853.0  | 1215.4 | 440.6  |
|    |                                      |        |        |        |        |        |
| *  | CARACAS CD.UNIVERSITARIA DTO.FEDERAL |        |        |        |        | UCV    |
|    |                                      |        |        |        |        |        |
| 65 | .9                                   | .9     | .9     | .9     | 568.6  | 1325.0 |
|    | 2044.0                               | 1806.0 | 860.0  | 214.0  | 670.0  | 50.0   |
| 66 | 232.0                                | 149.0  | 0.0    | 838.0  | 534.0  | 1828.0 |
|    | 1034.0                               | 531.0  | 801.0  | 676.0  | 1439.0 | 379.6  |

MES DE ENERO

NUMERO DE ANOS COMUNES= 1 MENOR QUE NUMERO DE ESTACIONES= 2



| *  | CARACAS TELEFERICO |        |        | DTO.FEDERAL |        | INOS   |
|----|--------------------|--------|--------|-------------|--------|--------|
|    |                    |        |        |             |        |        |
| 58 | .9                 | .9     | .9     | .9          | .9     | .9     |
|    | .9                 | .9     | 98.6   | 688.0       | 869.0  | 146.0  |
| 59 | 158.0              | 0.0    | 0.0    | 6.0         | 932.0  | 772.0  |
|    | 996.0              | 1215.0 | 683.0  | 1727.0      | 399.0  | 73.0   |
| 60 | 104.0              | 322.0  | 198.0  | 1026.0      | 176.0  | 1275.0 |
|    | 2528.0             | 3297.0 | 1090.0 | 862.0       | 897.0  | 1861.0 |
| 61 | 216.0              | 118.0  | 0.0    | 51.0        | 141.0  | 421.0  |
|    | 1606.0             | 1059.0 | 2447.0 | 1341.0      | 1020.0 | 39.0   |
| 62 | 338.0              | 133.0  | 59.0   | 75.0        | 949.0  | 1511.0 |
|    | 1277.0             | 1438.0 | 390.0  | 1362.0      | 982.0  | 949.0  |
| 63 | 241.6              | 120.0  | 99.4   | 1088.5      | 2588.0 | 2569.0 |
|    | 1616.0             | 1106.0 | 2142.0 | 675.0       | 1042.0 | 187.0  |
| 64 | 10.0               | 14.0   | 60.0   | 432.0       | 281.0  | 1429.0 |
|    | 1551.0             | 994.0  | 805.0  | 1344.0      | 96.0   | 146.0  |
| 65 | 124.0              | 0.0    | 0.0    | 61.0        | 159.0  | 1030.0 |
|    | 589.0              | 2456.0 | 1347.0 | 699.0       | 1099.0 | 113.0  |
| 66 | 278.0              | 116.0  | 4.0    | 1300.0      | 555.0  | 1005.4 |
|    | 1228.5             | 738.0  | 362.0  | 1638.0      | 1154.0 | 1439.0 |

| *  | LOS VENADOS DF |        |        | DTO.FEDERAL |        | MAC    |
|----|----------------|--------|--------|-------------|--------|--------|
|    |                |        |        |             |        |        |
| 60 | 0.0            | 0.0    | 0.0    | 0.0         | 0.0    | 0.0    |
|    | 0.0            | 0.0    | 809.0  | 340.0       | 647.0  | 1246.0 |
| 61 | 73.0           | 70.0   | 4.0    | 24.0        | 82.0   | 330.0  |
|    | 928.6          | 892.0  | 1852.0 | 1326.0      | 1338.0 | 226.0  |
| 62 | 260.0          | 44.0   | 66.0   | 34.0        | 826.0  | 1500.0 |
|    | 1718.0         | 2240.0 | 330.6  | 1052.0      | 600.0  | 604.0  |
| 63 | 556.0          | 68.0   | 142.0  | 858.0       | 2370.0 | 1982.0 |
|    | 968.0          | 1158.0 | 774.6  | 596.0       | 1194.0 | 180.0  |
| 64 | 26.0           | 16.0   | 8.0    | 325.0       | 304.0  | 2246.0 |
|    | 2158.0         | 752.0  | 2008.0 | 1508.0      | 832.0  | 30.6   |
| 65 | 478.0          | 126.0  | 4.0    | 76.0        | 616.0  | 1522.0 |
|    | 1992.0         | 2353.0 | 1031.0 | 1094.0      | 865.0  | 104.0  |
| 66 | 307.0          | 514.0  | 0.0    | 1200.0      | 1004.0 | .9     |
|    | .9             | 1440.0 | 1199.0 | 2332.0      | 1750.0 | 1104.0 |
| 37 | 0.0            | 0.0    | 0.0    | 700.2       | 1000.2 | 1410.0 |
|    | 1380.0         | 490.0  | 1710.0 | 800.0       | 1430.0 | 460.0  |
| 38 | 1420.0         | 970.0  | 1390.0 | 1700.0      | 1570.0 | 1100.0 |
|    | 1670.0         | 2470.0 | 2190.0 | 1840.0      | 3160.0 | 1640.0 |
| 39 | 50.0           | 60.0   | 150.0  | 70.0        | 320.0  | 730.0  |
|    | 490.0          | 1280.0 | 550.0  | 1620.0      | 1330.0 | 510.0  |
| 40 | 10.0           | 170.0  | 200.0  | 50.0        | 350.0  | 870.0  |
|    | 1200.2         | .9     | .9     | .9          | .9     | .9     |
| 41 | .9             | .9     | .9     | 0.0         | 0.0    | 0.0    |
|    | 0.0            | 0.0    | 0.0    | 0.0         | 0.0    | 0.0    |
| 50 | 0.0            | 0.0    | 0.0    | 40.0        | 1610.0 | 3870.0 |
|    | 870.0          | 2450.0 | 1380.0 | 2320.0      | 2520.0 | 1390.0 |
| 51 | 910.0          | 3790.0 | 780.0  | 750.0       | 790.0  | 1360.0 |
|    | 1640.0         | 1140.0 | 1210.0 | 390.0       | 1680.0 | 470.0  |
| 52 | 50.0           | 0.0    | 0.0    | 840.0       | 1610.0 | 630.0  |
|    | 1010.0         | 780.0  | 1220.0 | 1620.0      | 1080.0 | 490.0  |
| 53 | 890.0          | 910.0  | 60.0   | 380.0       | 1460.0 | 1220.0 |
|    | 1790.0         | 830.0  | 1380.0 | 560.0       | 1100.0 | 640.0  |
| 54 | 160.0          | 150.0  | 60.0   | 0.0         | 0.0    | 0.0    |
|    | 0.0            | 0.0    | 0.0    | 0.0         | 0.0    | 0.0    |

MES DE ENERO

MEDIA DE X 1= 178.3333 DESV. TIPICA= 110.7996  
 MEDIA DE X 2= 190.6666 DESV. TIPICA= 172.3442

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1 2 .38850551

COEF. DE CORRELACION PARCIALES  
 1 2 .38850551

VARIABLE PENDIENTE X 1

VARIABLES COEF. REGR. ERROR COEF. REGR.  
 1 2 .24976 .29619

TERMINO CONSTANTE= 130.7107

COEF. CORRELACION MULTIPLE R 1= .38850551

ERROR STAND. DE ESTIMACION S 1= 125.0414

| NANO | ESTIMACION |
|------|------------|
| 63   | 26.9       |
| 37   | 13.0       |
| 38   | 48.5       |
| 39   | 14.3       |
| 40   | 13.3       |
| 50   | 13.0       |
| 51   | 35.8       |
| 52   | 14.3       |
| 53   | 35.3       |
| 54   | 17.0       |

VARIABLE PENDIENTE X 2

VARIABLES COEF. REGR. ERROR COEF. REGR.  
 2 1 .60430 .71663

TERMINO CONSTANTE= 82.8990

COEF. CORRELACION MULTIPLE R 2= .38850551

ERROR STAND. DE ESTIMACION S 2= 194.4968

| NANO | ESTIMACION |
|------|------------|
| 59   | 17.8       |

MES DE FEBRERO

MEDIA DE X 1= 117.5714 DESV. TIPICA= 97.5322  
 MEDIA DE X 2= 119.7142 DESV. TIPICA= 165.3858

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1 2 -.14528739

COEF. DE CORRELACION PARCIALES  
 1 2 -.14528739

VARIABLE DEPENDIENTE X 1

VARIABLES COEF. REGR. ERROR COEF. REGR.  
 1 2 -.08567 .26093

TERMINO CONSTANTE= 127.8285

COEF. CORRELACION MULTIPLE R 1= .14528739

ERROR STAND. DE ESTIMACION S 1= 114.1771

| NANO | ESTIMACION |
|------|------------|
| 37   | 12.7       |
| 38   | 4.4        |
| 39   | 12.2       |
| 40   | 11.3       |
| 50   | 12.7       |
| 51   | 0.0        |
| 52   | 12.7       |
| 53   | 4.9        |
| 54   | 11.4       |

VARIABLE DEPENDIENTE X 2

VARIABLES COEF. REGR. ERROR COEF. REGR.  
 2 1 -.24636 .75029

TERMINO CONSTANTE= 148.6797

COEF. CORRELACION MULTIPLE R 2= .14528739

ERROR STAND. DE ESTIMACION S 2= 193.6108

| NANO | ESTIMACION |
|------|------------|
| 59   | 14.8       |

MES DE MARZO

MEDIA DE X 1= 53.5000 DESV. TIPICA= 69.6748  
 MEDIA DE X 2= 13.6666 DESV. TIPICA= 23.5631

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 -.00131972

COEF. DE CORRELACION PARCIALES

1 2 -.00131972

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.00390     | 1.47846           |

TERMINO CONSTANTE= 53.5533

COEF. CORRELACION MULTIPLE R 1= .00131971

ERROR STAND. DE ESTIMACION S 1= 85.3338

| NANO | ESTIMACION |
|------|------------|
| 63   | 5.2        |
| 37   | 5.3        |
| 38   | 4.8        |
| 39   | 5.2        |
| 40   | 5.2        |
| 50   | 5.3        |
| 51   | 5.0        |
| 52   | 5.3        |
| 53   | 5.3        |
| 54   | 5.3        |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.00044     | .16909            |

TERMINO CONSTANTE= 13.6905

COEF. CORRELACION MULTIPLE R 2= .00131971

ERROR STAND. DE ESTIMACION S 2= 28.8588

| NANO | ESTIMACION |
|------|------------|
| 59   | 1.3        |

MES DE ABRIL

MEDIA DE X 1= 490.8333 DESV. TIPICA= 499.2899

MEDIA DE X 2= 276.5000 DESV. TIPICA= 427.0869

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .69914694

COEF. DE CORRELACION PARCIALES

1 2 .69914694

VARIABLE DEPENDIENTE X 1

VARIABLES COEF. REGR. ERROR COEF. REGR.

1 2 .81734 .41792

TERMINO CONSTANTE= 264.8376

COEF. CORRELACION MULTIPLE R 1= .69914694

ERROR STAND. DE ESTIMACION S 1= 437.2110

NANO ESTIMACION

63 96.6

37 83.6

38 165.4

39 32.2

40 30.5

41 26.4

50 29.7

51 87.7

52 95.1

53 57.5

54 26.4

VARIABLE DEPENDIENTE X 2

VARIABLES COEF. REGR. ERROR COEF. REGR.

2 1 .59804 .30579

TERMINO CONSTANTE= -17.0391

COEF. CORRELACION MULTIPLE R 2= .69914694

ERROR STAND. DE ESTIMACION S 2= 373.9853

NANO ESTIMACION

59 0.0

MES DE MAYO

MEDIA DE X 1= 692.7142 DESV. TIPICA= 819.6251

MEDIA DE X 2= 743.1428 DESV. TIPICA= 748.3275

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .94704657

COEF. DE CORRELACION PARCIALES

1 2 .94704657

VARIABLE DEPENDIENTE X 1

VARIABLES COEF.REGR. ERROR COEF. REGR.

1 2 1.03727 .15728

TERMINO CONSTANTE= -78.1309

COEF. CORRELACION MULTIPLE R 1= .94704657

ERROR STAND. DE ESTIMACION S 1= 311.3970

| NANO | ESTIMACION |
|------|------------|
| 37   | 95.9       |
| 38   | 155.0      |
| 39   | 25.3       |
| 40   | 28.4       |
| 41   | 0.0        |
| 50   | 159.1      |
| 51   | 74.1       |
| 52   | 159.1      |
| 53   | 143.6      |
| 54   | 0.0        |

VARIABLE DEPENDIENTE X 2

VARIABLES COEF.REGR. ERROR COEF. REGR.

2 1 .86466 .13110

TERMINO CONSTANTE= 144.1771

COEF. CORRELACION MULTIPLE R 2= .94704657

ERROR STAND. DE ESTIMACION S 2= 284.3092

| NANO | ESTIMACION |
|------|------------|
| 59   | 95.0       |

MES DE JUNIO

MEDIA DE X 1= 1372.5000      DESV. TIPICA= 643.7069  
 MEDIA DE X 2= 1263.3333      DESV. TIPICA= 823.8281

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1    2      .58797480

COEF. DE CORRELACION PARCIALES  
 1    2      .58797480

VARIABLE DEPENDIENTE X 1

VARIABLES      COEF. REGR.      ERROR COEF. REGR.  
 1    2      .45942      .31601

TERMINO CONSTANTE= 792.0989

COEF. CORRELACION MULTIPLE R 1= .58797480

ERROR STAND. DE ESTIMACION S 1= 637.7015

| NANO | ESTIMACION |
|------|------------|
| 37   | 143.9      |
| 38   | 129.7      |
| 39   | 112.7      |
| 40   | 119.1      |
| 41   | 79.2       |
| 50   | 257.0      |
| 51   | 141.6      |
| 52   | 108.1      |
| 53   | 135.2      |
| 54   | 79.2       |

VARIABLE DEPENDIENTE X 2

VARIABLES      COEF. REGR.      ERROR COEF. REGR.  
 2    1      .75250      .51760

TERMINO CONSTANTE= 230.5254

COEF. CORRELACION MULTIPLE R 2= .58797480

ERROR STAND. DE ESTIMACION S 2= 816.1424

| NANO | ESTIMACION |
|------|------------|
| 59   | 81.1       |

MES DE JULIO

MEDIA DE X 1= 1512.2000

DESV. TIPICA= 624.7794

MEDIA DE X 2= 1367.2000

DESV. TIPICA= 795.9141

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 -.82807160

COEF. DE CORRELACION PARCIALES

1 2 -.82807160

## VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.65002     | .25407            |

TERMINO CONSTANTE= 2400.9107

COEF. CORRELACION MULTIPLE R 1= .82807160

ERROR STAND. DE ESTIMACION S 1= 452.1905

| NANO | ESTIMACION |
|------|------------|
| 37   | 150.3      |
| 38   | 131.5      |
| 39   | 208.2      |
| 40   | 162.0      |
| 41   | 240.0      |
| 50   | 183.5      |
| 51   | 133.4      |
| 52   | 174.4      |
| 53   | 123.7      |
| 54   | 240.0      |

## VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -1.05489    | .41233            |

TERMINO CONSTANTE= 2962.4054

COEF. CORRELACION MULTIPLE R 2= .82807160

ERROR STAND. DE ESTIMACION S 2= 576.0511

| NANO | ESTIMACION |
|------|------------|
| 59   | 191.1      |
| 61   | 126.8      |



MES DE AGOSTO

MEDIA DE X 1= 1584.0000

DESV. TIPICA= 868.8246

MEDIA DE X 2= 1262.1428

DESV. TIPICA= 772.6493

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 -.20407580

COEF. DE CORRELACION PARCIALES

1 2 -.20407580

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

-.22947

.49229

TERMINO CONSTANTE= 1873.6341

COEF. CORRELACION MULTIPLE R 1= .20407580

ERROR STAND. DE ESTIMACION S 1= 1006.3728

NANO

ESTIMACION

|    |       |
|----|-------|
| 37 | 176.1 |
| 38 | 130.6 |
| 39 | 157.9 |
| 41 | 187.3 |
| 50 | 131.1 |
| 51 | 161.2 |
| 52 | 169.4 |
| 53 | 168.3 |
| 54 | 187.3 |

VARIABLE DEPENDIENTE X 2

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

2 1

-.18148

.38933

TERMINO CONSTANTE= 1549.6158

COEF. CORRELACION MULTIPLE R 2= .20407580

ERROR STAND. DE ESTIMACION S 2= 894.9715

NANO

ESTIMACION

|    |       |
|----|-------|
| 59 | 132.9 |
|----|-------|

MES DE SEPTIEMBRE

MEDIA DE X 1= 1210.2000

DESV. TIPICA= 699.4950

MEDIA DE X 2= 1379.8000

DESV. TIPICA= 468.5660

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .30737108

COEF. DE CORRELACION PARCIALES

1 2 .30737108

VARIABLE DEPENDIENTE X 1

VARIABLES COEF. REGR. ERROR COEF. REGR.

1 2 .45885 .82016

TERMINO CONSTANTE= 577.0698

COEF. CORRELACION MULTIPLE R 1= .30737108

ERROR STAND. DE ESTIMACION S 1= 859.3276

| NANO | ESTIMACION |
|------|------------|
| 37   | 136.1      |
| 38   | 158.1      |
| 39   | 82.9       |
| 41   | 57.7       |
| 50   | 121.0      |
| 51   | 113.2      |
| 52   | 113.6      |
| 53   | 121.0      |
| 54   | 57.7       |

VARIABLE DEPENDIENTE X 2

VARIABLES COEF. REGR. ERROR COEF. REGR.

2 1 .20589 .36802

TERMINO CONSTANTE= 1130.6239

COEF. CORRELACION MULTIPLE R 2= .30737108

ERROR STAND. DE ESTIMACION S 2= 575.6320

| NANO | ESTIMACION |
|------|------------|
| 59   | 127.1      |
| 62   | 121.0      |
| 63   | 157.1      |

MES DE OCTUBRE

MEDIA DE X 1= 1131.5714      DESV. TIPICA= 351.8923  
 MEDIA DE X 2= 1178.2857      DESV. TIPICA= 600.7637

COEF. DE CORR. TOTALES (ORDEN CERO)

1    2      .80039157

COEF. DE CORRELACION PARCIALES

1    2      .80039157

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1    2    | .46882      | .15703            |

TERMINO CONSTANTE= 579.1643

COEF. CORRELACION MULTIPLE R 1= .80039157

ERROR STAND. DE ESTIMACION S 1= 249.6012

| NANO | ESTIMACION |
|------|------------|
| 37   | 95.4       |
| 38   | 144.1      |
| 39   | 133.8      |
| 41   | 57.9       |
| 50   | 166.6      |
| 51   | 76.2       |
| 52   | 133.8      |
| 53   | 84.1       |
| 54   | 57.9       |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2    1    | 1.36645     | .45770            |

TERMINO CONSTANTE= -367.9593

COEF. CORRELACION MULTIPLE R 2= .80039157

ERROR STAND. DE ESTIMACION S 2= 426.1285

| NANO | ESTIMACION |
|------|------------|
| 58   | 57.2       |
| 59   | 199.1      |

MES DE NOVIEMBRE

MEDIA DE X 1= 898.5714 DESV. TIPICA= 336.3280  
 MEDIA DE X 2= 1032.2857 DESV. TIPICA= 385.1050

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1 2 .36992924

COEF. DE CORRELACION PA JIALES  
 1 2 .36992924

VARIABLE DEPENDIENTE X 1

VARIABLES COEF.REGR. ERROR COEF. REGR.  
 1 2 .32307 .36286

TERMINO CONSTANTE= 565.0664

COEF. CORRELACION MULTIPLE R 1= .36992924

ERROR STAND. DE ESTIMACION S 1= 369.7181

| NANO | ESTIMACION |
|------|------------|
| 37   | 102.7      |
| 38   | 158.5      |
| 39   | 99.4       |
| 41   | 56.5       |
| 50   | 137.9      |
| 51   | 110.7      |
| 52   | 91.3       |
| 53   | 92.0       |
| 54   | 56.5       |

VARIABLE DEPENDIENTE X 2

VARIABLES COEF.REGR. ERROR COEF. REGR.  
 2 1 .42357 .47574

TERMINO CONSTANTE= 651.6693

COEF. CORRELACION MULTIPLE R 2= .36992924

ERROR STAND. DE ESTIMACION S 2= 423.3377

| NANO | ESTIMACION |
|------|------------|
| 58   | 101.9      |
| 59   | 82.0       |

MES DE DICIEMBRE

MEDIA DE X 1= 764.6666      DESV. TIPICA= 704.2266  
 MEDIA DE X 2= 577.3333      DESV. TIPICA= 452.8718

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1    2      .98564556

COEF. DE CORRELACION PARCIALES  
 1    2      .98564556

VARIABLE DEPENDIENTE X 1

VARIABLES      COEF.REGR.      ERROR COEF. REGR.  
 1    2      1.53270      .13126

TERMINO CONSTANTE= -120.2137

COEF. CORRELACION MULTIPLE R 1= .98564556

ERROR STAND. DE ESTIMACION S 1= 145.6136

| NANO | ESTIMACION |
|------|------------|
| 37   | 58.4       |
| 38   | 239.3      |
| 39   | 66.1       |
| 41   | 0.0        |
| 50   | 201.0      |
| 51   | 60.0       |
| 52   | 63.0       |
| 53   | 86.0       |
| 54   | 0.0        |

VARIABLE DEPENDIENTE X 2

VARIABLES      COEF.REGR.      ERROR COEF. REGR.  
 2    1      .63384      .05428

TERMINO CONSTANTE= 92.6525

COEF. CORRELACION MULTIPLE R 2= .98564556

ERROR STAND. DE ESTIMACION S 2= 93.6407

| NANO | ESTIMACION |
|------|------------|
| 58   | 18.5       |
| 59   | 13.8       |
| 64   | 18.5       |

| *  | EL JARILLO AR |        |        | EDO. ARAGUA |        | INOS   |
|----|---------------|--------|--------|-------------|--------|--------|
|    |               |        |        |             |        |        |
| 49 | 24.0          | 156.0  | 136.0  | 8.0         | 268.0  | 1656.6 |
|    | 836.0         | 1780.0 | 640.0  | 2558.0      | 1300.0 | 634.0  |
| 50 | 646.0         | 346.0  | 182.0  | 750.0       | 2902.0 | 1956.0 |
|    | 1284.0        | 2438.0 | 1558.6 | 2470.6      | 2270.6 | 304.0  |
| 51 | 412.0         | 2164.0 | 128.0  | 700.0       | 1322.6 | 1712.0 |
|    | 2056.0        | 546.0  | 422.0  | 244.0       | 234.0  | 96.0   |
| 52 | 6.0           | 0.0    | 60.0   | 774.0       | 308.0  | 120.0  |
|    | 300.0         | 390.6  | 528.0  | 143.0       | 189.0  | 239.0  |
| 53 | 117.0         | 72.0   | 8.0    | 470.0       | 1215.0 | 976.0  |
|    | 1153.0        | 616.0  | 1090.0 | 678.0       | 397.0  | 957.0  |
| 54 | 11.0          | 50.0   | 56.0   | 535.0       | 773.0  | 451.0  |
|    | 1515.6        | 841.6  | 954.0  | 1848.6      | 547.6  | 804.0  |
| 55 | 194.0         | 32.0   | 84.0   | 561.0       | 387.0  | 1235.0 |
|    | 1265.0        | 1235.0 | 2649.0 | 2385.0      | 1336.0 | 323.0  |
| 56 | 1262.0        | 58.0   | 1286.0 | 89.0        | 1114.0 | 1081.0 |
|    | 1047.0        | 2180.0 | 903.0  | 1626.0      | 325.0  | 281.0  |
| 57 | 191.0         | 82.0   | 0.0    | 119.0       | 1138.0 | 1867.0 |
|    | 1613.0        | 1640.0 | 1632.0 | 1453.0      | 1831.0 | 118.0  |
| 58 | 8.0           | 87.0   | 67.0   | 332.0       | 1075.0 | 2448.6 |
|    | 2271.0        | 1354.0 | 1462.0 | 420.0       | 478.0  | 26.0   |
| 59 | 14.0          | 2.0    | 0.0    | 164.0       | 1980.0 | 960.0  |
|    | 1135.6        | 1408.0 | 1524.0 | 1205.0      | 698.0  | 109.0  |
| 60 | 35.0          | 8.0    | 0.0    | 1505.0      | 750.0  | 2391.0 |
|    | 2017.0        | 2743.0 | 1851.0 | 1337.0      | 769.0  | 1177.0 |
| 61 | 37.0          | 16.0   | 4.0    | 163.0       | 286.0  | 920.0  |
|    | 2986.0        | 1995.0 | 1831.0 | 1541.0      | 1678.0 | 408.0  |
| 62 | 2.0           | 26.0   | 252.0  | 269.0       | 806.0  | 1624.0 |
|    | 1556.0        | 1697.0 | 1456.0 | 1541.0      | 411.0  | 253.0  |
| 63 | 243.0         | 11.0   | 294.0  | 454.0       | 3426.0 | 2553.0 |
|    | 998.0         | 701.0  | 2080.0 | 938.0       | 1073.0 | 237.0  |
| 64 | 15.0          | 10.0   | 6.0    | 120.0       | 1048.0 | 1670.0 |
|    | 2125.0        | 1967.0 | 1538.0 | 1353.0      | 481.0  | 246.0  |
| 65 | 722.0         | 120.0  | 0.0    | 323.0       | 1230.0 | 2730.0 |
|    | 986.4         | 2205.5 | 1076.0 | 1197.0      | 2285.0 | 238.0  |
| 66 | 168.0         | 107.0  | 6.0    | 94.0        | 1744.0 | 3658.0 |
|    | 2660.0        | 1609.0 | 695.4  | 1197.5      | 2385.0 | 238.0  |

| *  | TOPO DE LOS ESPEJOS |        |        | EDO. MIRANDA |        | INOS   |
|----|---------------------|--------|--------|--------------|--------|--------|
|    |                     |        |        |              |        |        |
| 49 | 22.0                | 180.0  | 112.0  | 54.0         | 482.0  | 1380.0 |
|    | 648.0               | 1708.0 | 460.0  | 2752.0       | 1202.0 | 1066.6 |
| 50 | 954.6               | 462.0  | 142.0  | 332.0        | 2200.0 | 2606.0 |
|    | 888.0               | 1258.0 | 482.0  | 1854.0       | 968.6  | 348.0  |
| 51 | 508.0               | 2570.2 | 410.0  | 1000.0       | 1046.0 | 2344.0 |
|    | 1334.0              | 622.0  | 994.0  | 560.0        | 742.0  | 416.0  |
| 52 | 144.0               | 0.0    | 247.0  | 782.0        | 1393.0 | 1311.0 |
|    | 1004.0              | 1116.0 | 1355.0 | 798.0        | 880.0  | 620.0  |
| 53 | 793.0               | 319.0  | 54.0   | 534.0        | 1215.0 | 2051.0 |
|    | 1645.0              | 883.0  | 1192.0 | 1350.0       | 328.6  | 399.0  |
| 54 | 43.0                | 523.0  | 42.0   | 770.0        | 601.0  | 1063.0 |
|    | 1620.0              | 1539.0 | 924.0  | 1583.0       | 403.0  | 951.0  |
| 55 | 792.0               | 56.0   | 217.0  | 539.0        | 502.0  | 1604.0 |
|    | 1528.0              | 484.0  | 1052.0 | 1015.0       | 802.0  | 538.0  |
| 56 | 901.0               | 91.0   | 1188.0 | 246.0        | 1083.0 | 929.0  |
|    | 781.0               | 1378.0 | 798.0  | 861.0        | 788.0  | 984.0  |
| 57 | 553.0               | 108.0  | 2.0    | 380.0        | 479.0  | 1233.0 |
|    | 1467.0              | 860.0  | 807.0  | 1134.0       | 1426.0 | 248.0  |

|    |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|
| 58 | 16.0   | 98.0   | 4.0    | 203.0  | 1178.0 | 2625.0 |
|    | 1931.0 | 1259.0 | 956.0  | 569.0  | 213.0  | 64.0   |
| 59 | 73.0   | 8.0    | 4.0    | 344.0  | 1310.0 | 686.0  |
|    | 589.0  | 1162.0 | 774.0  | 1640.0 | 415.0  | 22.0   |
| 60 | 299.0  | 30.0   | 2.0    | 1354.0 | 445.0  | 1717.0 |
|    | 945.0  | 1689.0 | 688.0  | 840.0  | 1221.0 | 1123.0 |
| 61 | 131.0  | 60.0   | 308.0  | 32.0   | 172.0  | 578.0  |
|    | 2905.0 | 1674.0 | 1027.0 | 823.0  | 963.0  | 245.0  |
| 62 | 86.0   | 101.0  | 222.0  | 324.0  | 1016.0 | 1155.0 |
|    | 642.0  | 472.0  | 949.0  | 935.0  | 439.0  | 142.0  |
| 63 | 134.0  | 90.0   | 499.0  | 623.0  | 3075.0 | 1488.0 |
|    | 678.0  | 890.0  | 1519.0 | 683.0  | 1157.0 | 273.0  |
| 64 | 38.0   | 14.0   | 30.0   | 122.0  | 828.0  | 1386.0 |
|    | 2785.0 | 1624.0 | 1351.0 | 1033.0 | 217.0  | 139.0  |
| 65 | 730.0  | 319.0  | 10.0   | 154.0  | 867.0  | 2790.0 |
|    | 1340.0 | 1465.0 | 622.0  | 844.0  | 1345.0 | 351.0  |
| 66 | 641.0  | 121.0  | 0.0    | 504.0  | 1077.0 | 2597.0 |
|    | 1541.0 | 1365.0 | 921.0  | 1180.0 | 912.0  | 860.0  |

| *  | DROPEZA |        |        | EDO. MIRANDA |        | INOS   |
|----|---------|--------|--------|--------------|--------|--------|
| 49 | 24.0    | 142.0  | 268.0  | 54.0         | 524.0  | 798.6  |
|    | 632.6   | 1744.0 | 776.6  | 3790.6       | 1520.6 | 1178.0 |
| 50 | 842.6   | 594.0  | 258.0  | 408.0        | 2370.0 | 3438.0 |
|    | 780.0   | 1348.0 | 462.6  | 2140.0       | 1278.0 | 498.0  |
| 51 | 558.0   | 1568.0 | 576.6  | 842.0        | 1162.0 | 3022.0 |
|    | 1550.0  | 916.0  | 1150.0 | 704.0        | 1600.0 | 450.0  |
| 52 | 163.0   | 14.0   | 204.0  | 995.0        | 1406.0 | 1242.0 |
|    | 927.0   | 1159.0 | 848.0  | 798.0        | 760.0  | 715.0  |
| 53 | 763.0   | 279.0  | 34.0   | 552.0        | 1423.0 | 2022.0 |
|    | 2005.0  | 767.6  | 1326.0 | 1076.0       | 105.0  | 419.0  |
| 54 | 51.0    | 231.0  | 14.0   | 799.0        | 638.0  | 1299.0 |
|    | 1580.0  | 1669.0 | 1101.0 | 2010.0       | 446.0  | 1149.0 |
| 55 | 636.0   | 38.0   | 185.0  | 516.0        | 470.0  | 2001.0 |
|    | 1592.0  | 654.0  | 1477.0 | 1189.0       | 1367.0 | 542.0  |
| 56 | 1389.0  | 244.0  | 810.0  | 89.0         | 1183.0 | 1016.0 |
|    | 947.0   | 1748.0 | 1012.0 | 1210.0       | 858.0  | 1204.0 |
| 57 | 373.0   | 91.0   | 0.0    | 166.0        | 919.0  | 1453.0 |
|    | 1428.0  | 1152.0 | 1272.0 | 1082.0       | 1776.0 | 275.0  |
| 58 | 42.0    | 112.0  | 6.0    | 278.0        | 1459.0 | 2674.0 |
|    | 2968.0  | 1351.0 | 1178.0 | 808.0        | 301.0  | 91.0   |
| 59 | 70.0    | 21.0   | 34.0   | 102.0        | 1122.0 | 847.0  |
|    | 481.0   | 1068.0 | 794.0  | 1519.0       | 420.0  | 108.0  |
| 60 | 163.0   | 43.0   | 2.0    | 972.0        | 574.0  | 1498.0 |
|    | 1056.0  | 1945.0 | 676.0  | 1010.0       | 1324.0 | 840.0  |
| 61 | 91.0    | 75.0   | 91.0   | 80.0         | 213.0  | 624.0  |
|    | 2798.0  | 1375.0 | 1009.0 | 1018.0       | 1076.0 | 273.0  |
| 62 | 78.0    | 105.0  | 379.0  | 300.0        | 1250.0 | 1344.0 |
|    | 858.0   | 704.0  | 1021.0 | 993.0        | 396.0  | 160.0  |
| 63 | 149.0   | 54.0   | 673.0  | 462.0        | 2998.0 | 1786.0 |
|    | 589.0   | 627.0  | 1532.0 | 1223.0       | 1659.0 | 306.0  |
| 64 | 20.0    | 20.0   | 8.0    | 109.0        | 389.0  | 1098.0 |
|    | 2575.0  | 1550.0 | 1074.0 | 1009.0       | 400.0  | 353.0  |
| 65 | 885.0   | 338.0  | 14.0   | 327.0        | 892.0  | 2744.0 |
|    | 1399.0  | 1420.0 | 449.0  | 949.0        | 1312.0 | 332.0  |
| 66 | 402.0   | 127.0  | 8.0    | 185.0        | 1396.0 | 2635.4 |
|    | 1519.5  | 1504.0 | 971.0  | 1030.4       | 1534.5 | 579.6  |

| *  | POZO DE ROSAS |        |        | EDO.MIRANDA |        | INOS   |
|----|---------------|--------|--------|-------------|--------|--------|
|    | .9            | .9     | .9     | 20.0        | 320.0  |        |
| 49 | 850.0         | 1900.0 | 890.0  | 2600.1      | 860.0  | 840.0  |
| 50 | 660.0         | 470.0  | 80.0   | 290.0       | 710.0  | 1670.0 |
|    | 750.1         | 1100.1 | 910.0  | 1900.1      | 1360.0 | 130.0  |
| 51 | 380.0         | 1080.0 | 220.0  | 320.0       | 1400.1 | 2130.0 |
|    | 1200.0        | 1180.0 | 1270.0 | 670.0       | 500.0  | 420.0  |
| 52 | 60.0          | 0.0    | 220.0  | 410.0       | 1570.0 | 810.0  |
|    | 1350.0        | 1450.0 | 1220.0 | 980.0       | 1160.0 | 490.0  |
| 53 | 460.0         | 180.0  | 40.0   | 640.0       | 1350.0 | 3560.0 |
|    | 1710.0        | 480.0  | 1540.0 | 590.0       | 180.0  | 370.0  |
| 54 | 40.0          | 100.0  | 0.0    | 830.0       | 840.0  | 1200.0 |
|    | 1970.0        | 1720.0 | 2040.0 | 2850.0      | 500.0  | 820.0  |
| 55 | 670.0         | 60.0   | 160.0  | 670.0       | 420.0  | 1450.0 |
|    | 1960.0        | 850.0  | 1600.0 | 1300.0      | 700.0  | 350.0  |
| 56 | 800.0         | 246.0  | 1261.0 | 54.0        | 1768.0 | 1200.0 |
|    | 794.0         | 1474.0 | 1445.0 | 1586.0      | 716.0  | 1391.0 |
| 57 | 201.0         | 111.0  | 3.0    | 109.0       | 684.0  | 1740.0 |
|    | 1796.0        | 1096.0 | 843.6  | 673.6       | 1535.0 | 165.0  |
| 58 | 35.0          | 174.0  | 2.0    | 162.0       | 1843.0 | 4077.0 |
|    | 2415.0        | 801.0  | 1994.0 | 1026.0      | 573.0  | 130.0  |
| 59 | 87.0          | 37.0   | 6.0    | 120.0       | 1906.0 | 781.0  |
|    | 981.0         | 1615.0 | 1164.0 | 1664.0      | 751.0  | 127.0  |
| 60 | 45.0          | 10.0   | 6.0    | 1187.0      | 736.0  | 2094.0 |
|    | 1783.0        | 2171.0 | 1232.0 | 786.0       | 1206.0 | 1007.0 |
| 61 | 85.0          | 32.0   | 94.0   | 28.0        | 242.0  | 752.0  |
|    | 3933.0        | 1713.0 | 1804.0 | 1388.0      | 1415.0 | 314.0  |
| 62 | 72.0          | 110.0  | 230.0  | 108.0       | 948.0  | 1850.0 |
|    | 1208.0        | 906.0  | 1113.0 | 762.0       | 188.0  | 155.0  |
| 63 | 345.0         | 8.0    | 612.0  | 284.0       | 2936.2 | 2193.2 |
|    | 821.0         | 549.0  | 1816.2 | 1440.0      | 866.6  | 374.0  |
| 64 | 86.0          | 53.0   | 26.0   | 36.0        | 896.0  | 1676.0 |
|    | 2146.0        | 1011.6 | 1752.0 | 1557.0      | 520.0  | 148.0  |
| 65 | 745.0         | 287.0  | 12.0   | 21.0        | 1080.0 | 3844.0 |
|    | 1497.0        | 1549.0 | 1106.0 | 965.0       | 1824.0 | 244.0  |
| 66 | 402.0         | 152.0  | 12.0   | 372.0       | 1519.0 | 3519.0 |
|    | 2542.4        | 1567.5 | 1550.0 | 1402.0      | 653.0  | 683.0  |



MES DE ENERO

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 214.8125 | DESV. TIPICA= | 328.2225 |
| MEDIA DE X 2= | 367.6250 | DESV. TIPICA= | 313.7201 |
| MEDIA DE X 3= | 364.5625 | DESV. TIPIÇA= | 377.8379 |
| MEDIA DE X 4= | 282.0625 | DESV. TIPICA= | 260.2680 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .68025486 |
| 1 | 3 | .89142838 |
| 1 | 4 | .81694794 |
| 2 | 3 | .91159875 |
| 2 | 4 | .88823139 |
| 3 | 4 | .91784582 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.74660188 |
| 1 | 3 | .84763552  |
| 1 | 4 | .32570380  |
| 2 | 3 | .81933083  |
| 2 | 4 | .44178513  |
| 3 | 4 | .01116562  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.90748     | .23343            |
| 1 3       | 1.24139     | .22431            |
| 1 4       | .34773      | .29139            |

TERMINO CONSTANTE= -2.2233

COEF. CORRELACION MULTIPLE R 1= .95347626

ERROR STAND. DE ESTIMACION S 1= 114.2560

NANO

ESTIMACION

## VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.61424     | .15800            |
| 2 3       | .98721      | .19941            |
| 2 4       | .38805      | .22747            |

TERMINO CONSTANTE= 30.2166

COEF. CORRELACION MULTIPLE R 2= .96574619

ERROR STAND. DE ESTIMACION S 2= 94.0004

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 50   | 0.0        |

## VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .57877      | .10458            |
| 3 2       | .67999      | .13735            |
| 3 4       | .00813      | .21043            |

TERMINO CONSTANTE= -12.0455

COEF. CORRELACION MULTIPLE R 3= .98388273

ERROR STAND. DE ESTIMACION S 3= 78.0150

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 50   | 36.7       |

## VARIABLE DEPENDIENTE X 4

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 4 1       | .30506      | .25564            |
| 4 2       | .50296      | .29483            |
| 4 3       | .01531      | .39596            |

TERMINO CONSTANTE= 26.0456

COEF. CORRELACION MULTIPLE R 4= .93445090

ERROR STAND. DE ESTIMACION S 4= 107.0169

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 49   | 4.4        |

MES DE FEBRERO

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 187.7058 | DESV. TIPICA= | 500.4161 |
| MEDIA DE X 2= | 292.3529 | DESV. TIPICA= | 589.7550 |
| MEDIA DE X 3= | 232.5882 | DESV. TIPICA= | 364.4204 |
| MEDIA DE X 4= | 182.9411 | DESV. TIPICA= | 253.2616 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .98028983 |
| 1 | 3 | .96122972 |
| 1 | 4 | .94184071 |
| 2 | 3 | .97111001 |
| 2 | 4 | .93458522 |
| 3 | 4 | .98626466 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .78855454  |
| 1 | 3 | -.40678790 |
| 1 | 4 | .49783539  |
| 2 | 3 | .79271692  |
| 2 | 4 | -.70630975 |
| 3 | 4 | .93681688  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .94723      | .20488            |
| 1 3       | -1.14653    | .71411            |
| 1 4       | 1.42659     | .68928            |

TERMINO CONSTANTE= -83.5326

COEF. CORRELACION MULTIPLE R 1= .98578624

ERROR STAND. DE ESTIMACION S 1= 96.1401

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .65645      | .14198            |
| 2 3       | 1.85999     | .39669            |
| 2 4       | -1.68493    | .46837            |

TERMINO CONSTANTE= 44.7634

COEF. CORRELACION MULTIPLE R 2= .99293330

ERROR STAND. DE ESTIMACION S 2= 80.0348

NANO ESTIMACION

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | -.14432     | .08989            |
| 3 2       | .33785      | .07205            |
| 3 4       | .95246      | .09864            |

TERMINO CONSTANTE= -13.3374

COEF. CORRELACION MULTIPLE R 3= .99664448

ERROR STAND. DE ESTIMACION S 3= 34.1102

NANO ESTIMACION

VARIABLE DEPENDIENTE X 4

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 4 1       | .17372      | .08394            |
| 4 2       | -.29607     | .08230            |
| 4 3       | .92142      | .09542            |

TERMINO CONSTANTE= 22.5780

COEF. CORRELACION MULTIPLE R 4= .99326757

ERROR STAND. DE ESTIMACION S 4= 33.5498

NANO ESTIMACION  
49 12.7

MES DE MARZO

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 144.0625 | DESV. TIPICA= | 308.5479 |
| MEDIA DE X 2= | 185.6875 | DESV. TIPICA= | 294.4059 |
| MEDIA DE X 3= | 170.0000 | DESV. TIPICA= | 242.8770 |
| MEDIA DE X 4= | 172.7500 | DESV. TIPICA= | 319.3713 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .93969443 |
| 1 | 3 | .85055121 |
| 1 | 4 | .95366251 |
| 2 | 3 | .90496138 |
| 2 | 4 | .97963351 |
| 3 | 4 | .93169100 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .05722349  |
| 1 | 3 | -.34110706 |
| 1 | 4 | .56719496  |
| 2 | 3 | -.08025379 |
| 2 | 4 | .69363670  |
| 3 | 4 | .60269900  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .08474      | .42683            |
| 1 3       | -.35950     | .28599            |
| 1 4       | 1.09953     | .46088            |

TERMINO CONSTANTE= -.5028

COEF. CORRELACION MULTIPLE R 1= .95950902

ERROR STAND. DE ESTIMACION S 1= 100.3563

NANO

ESTIMACION

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .03863      | .19459            |
| 2 3       | -.05711     | .20476            |
| 2 4       | .90792      | .27217            |

TERMINO CONSTANTE= 32.9866

COEF. CORRELACION MULTIPLE R 2= .97993267

ERROR STAND. DE ESTIMACION S 2= 67.7619

NANO ESTIMACION

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | -.32365     | .25747            |
| 3 2       | -.11277     | .40434            |
| 3 4       | 1.10857     | .42370            |

TERMINO CONSTANTE= 46.0609

COEF. CORRELACION MULTIPLE R 3= .94059508

ERROR STAND. DE ESTIMACION S 3= 95.2213

NANO ESTIMACION  
51 20.2

VARIABLE DEPENDIENTE X 4

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 4 1       | .29258      | .12264            |
| 4 2       | .52992      | .15886            |
| 4 3       | .32766      | .12523            |

TERMINO CONSTANTE= -23.5056

COEF. CORRELACION MULTIPLE R 4= .99009773

ERROR STAND. DE ESTIMACION S 4= 51.7690

NANO ESTIMACION  
49 16.3

MES DE ABRIL

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 412.7777 | DESV. TIPICA= | 354.6034 |
| MEDIA DE X 2= | 460.9444 | DESV. TIPICA= | 337.7463 |
| MEDIA DE X 3= | 402.0000 | DESV. TIPICA= | 307.2897 |
| MEDIA DE X 4= | 314.5000 | DESV. TIPICA= | 317.9492 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .83999878 |
| 1 | 3 | .86399058 |
| 1 | 4 | .80282996 |
| 2 | 3 | .88229410 |
| 2 | 4 | .83528511 |
| 3 | 4 | .77482181 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .14629134  |
| 1 | 3 | .46363882  |
| 1 | 4 | .30998232  |
| 2 | 3 | .52501200  |
| 2 | 4 | .43401626  |
| 3 | 4 | -.02050387 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .17338      | .31335            |
| 1 3       | .58648      | .29954            |
| 1 4       | .30235      | .24784            |

TERMINO CONSTANTE= 1.9996

COEF. CORRELACION MULTIPLE R 1= .89189371

ERROR STAND. DE ESTIMACION S 1= 181.8398

NANO

ESTIMACION

## VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .12342      | .22306            |
| 2 3       | .56033      | .24276            |
| 2 4       | .35717      | .19814            |

TERMINO CONSTANTE= 72.4101

COEF. CORRELACION MULTIPLE R 2= .91624676

ERROR STAND. DE ESTIMACION S 2= 153.4226

NANO ESTIMACION

## VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .36652      | .18719            |
| 3 2       | .49191      | .21312            |
| 3 4       | -.01581     | .20603            |

TERMINO CONSTANTE= 28.9323

COEF. CORRELACION MULTIPLE R 3= .91092827

ERROR STAND. DE ESTIMACION S 3= 143.7515

NANO ESTIMACION

## VARIABLE DEPENDIENTE X 4

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 4 1       | .31780      | .26051            |
| 4 2       | .52738      | .29257            |
| 4 3       | -.02659     | .34653            |

TERMINO CONSTANTE= -49.0908

COEF. CORRELACION MULTIPLE R 4= .85591768

ERROR STAND. DE ESTIMACION S 4= 186.4295

NANO ESTIMACION  
49 4.6



MES DE MAYO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1202.9411 | DESV. TIPICA= | 857.7631 |
| MEDIA DE X 2= | 1054.2941 | DESV. TIPICA= | 687.0608 |
| MEDIA DE X 3= | 1130.9411 | DESV. TIPICA= | 695.8057 |
| MEDIA DE X 4= | 1162.8235 | DESV. TIPICA= | 677.7126 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .86621193 |
| 1 | 3 | .84668695 |
| 1 | 4 | .62391166 |
| 2 | 3 | .95894333 |
| 2 | 4 | .75835424 |
| 3 | 4 | .72312481 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .37035498  |
| 1 | 3 | .11154055  |
| 1 | 4 | -.09942384 |
| 2 | 3 | .80043016  |
| 2 | 4 | .34314023  |
| 3 | 4 | -.01080897 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .91900      | .63928            |
| 1 3       | .24108      | .59572            |
| 1 4       | -.09586     | .26610            |

TERMINO CONSTANTE= 72.8604

COEF. CORRELACION MULTIPLE R 1= .86945845

ERROR STAND. DE ESTIMACION S 1= 484.5654

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 51   | 118.0      |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .14925      | .10382            |
| 2 3       | .69719      | .14480            |
| 2 4       | .13333      | .10122            |

TERMINO CONSTANTE= -68.7811

COEF. CORRELACION MULTIPLE R 2= .96862064

ERROR STAND. DE ESTIMACION S 2= 195.2769

NANO ESTIMACION

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .560        | .12751            |
| 3 2       | .91894      | .19086            |
| 3 4       | -.00482     | .12372            |

TERMINO CONSTANTE= 105.6282

COEF. CORRELACION MULTIPLE R 3= .95948522

ERROR STAND. DE ESTIMACION S 3= 224.1911

NANO ESTIMACION

VARIABLE DEPENDIENTE X 4

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 4 1       | -.10311     | .28621            |
| 4 2       | .88307      | .67042            |
| 4 3       | -.02422     | .62167            |

TERMINO CONSTANTE= 383.2433

COEF. CORRELACION MULTIPLE R 4= .76125400

ERROR STAND. DE ESTIMACION S 4= 502.5478

NANO ESTIMACION

MES DE JUNIO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1483.0666 | DESV. TIPICA= | 730.1277 |
| MEDIA DE X 2= | 1529.4000 | DESV. TIPICA= | 643.7948 |
| MEDIA DE X 3= | 1695.6000 | DESV. TIPICA= | 790.5446 |
| MEDIA DE X 4= | 1796.6666 | DESV. TIPICA= | 880.2573 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .55518788 |
| 1 | 3 | .48564792 |
| 1 | 4 | .59524337 |
| 2 | 3 | .93614301 |
| 2 | 4 | .74888440 |
| 3 | 4 | .57028368 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.00472817 |
| 1 | 3 | .08458036  |
| 1 | 4 | .31653352  |
| 2 | 3 | .93217957  |
| 2 | 4 | .70763567  |
| 3 | 4 | -.55724631 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.01789     | 1.14124           |
| 1 3       | .21108      | .74978            |
| 1 4       | .39541      | .35728            |

TERMINO CONSTANTE= 442.0893

COEF. CORRELACION MULTIPLE R 1= .62128942

ERROR STAND. DE ESTIMACION S 1= 668.0855

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 49   | 110.5      |
| 58   | 257.1      |

## VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.00124     | .07965            |
| 2 3       | .61462      | .07196            |
| 2 4       | .23353      | .07030            |

TERMINO CONSTANTE= 69.4961

COEF. CORRELACION MULTIPLE R 2= .97204946

ERROR STAND. DE ESTIMACION S 2= 176.5024

NANO ESTIMACION

## VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .03389      | .12037            |
| 3 2       | 1.41379     | .16553            |
| 3 4       | -.27892     | .12531            |

TERMINO CONSTANTE= -15.7885

COEF. CORRELACION MULTIPLE R 3= .95703385

ERROR STAND. DE ESTIMACION S 3= 267.6936

NANO ESTIMACION

|    |       |
|----|-------|
| 49 | 144.9 |
| 66 | 279.8 |

## VARIABLE DEPENDIENTE X 4

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 4 1       | .25338      | .22895            |
| 4 2       | 2.14416     | .64552            |
| 4 3       | -1.11329    | .50017            |

TERMINO CONSTANTE= 29.2828

COEF. CORRELACION MULTIPLE R 4= .85399333

ERROR STAND. DE ESTIMACION S 4= 534.8098

NANO ESTIMACION

MES DE JULIO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1590.0769 | DESV. TIPICA= | 667.9253 |
| MEDIA DE X 2= | 1425.6153 | DESV. TIPICA= | 715.0540 |
| MEDIA DE X 3= | 1544.0769 | DESV. TIPICA= | 776.2398 |
| MEDIA DE X 4= | 1682.0000 | DESV. TIPICA= | 826.7900 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .69066105 |
| 1 | 3 | .71054839 |
| 1 | 4 | .74241712 |
| 2 | 3 | .91728177 |
| 2 | 4 | .85807534 |
| 3 | 4 | .82704412 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.04248100 |
| 1 | 3 | .21020216  |
| 1 | 4 | .37150108  |
| 2 | 3 | .71143866  |
| 2 | 4 | .42782791  |
| 3 | 4 | .09921426  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.07201     | .56459            |
| 1 3       | .30645      | .47511            |
| 1 4       | .41525      | .34592            |

TERMINO CONSTANTE= 521.0992

COEF. CORRELACION MULTIPLE R 1= .76251665

ERROR STAND. DE ESTIMACION S 1= 519.3516

| NANO | ESTIMACION |
|------|------------|
| 54   | 170.6      |
| 59   | 103.3      |
| 65   | 147.4      |

## VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.02505     | .19644            |
| 2 3       | .61181      | .20144            |
| 2 4       | .28207      | .19864            |

TERMINO CONSTANTE= 46.3133

COEF. CORRELACION MULTIPLE R 2= .93430706

ERROR STAND. DE ESTIMACION S 2= 306.3453

NANO ESTIMACION

## VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .14417      | .22352            |
| 3 2       | .82728      | .27239            |
| 3 4       | .07606      | .25430            |

TERMINO CONSTANTE= 7.4848

COEF. CORRELACION MULTIPLE R 3= .92422794

ERROR STAND. DE ESTIMACION S 3= 356.2289

NANO ESTIMACION  
49 72.8  
66 166.5

## VARIABLE DEPENDIENTE X 4

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 4 1       | .33235      | .27687            |
| 4 2       | .64888      | .45695            |
| 4 3       | .12940      | .43262            |

TERMINO CONSTANTE= 28.6528

COEF. CORRELACION MULTIPLE R 4= .88394661

ERROR STAND. DE ESTIMACION S 4= 464.6317

NANO ESTIMACION  
66 191.2

MES DE AGOSTO

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1643.0833 | DESV. TIPICA= | 623.9641 |
| MEDIA DE X 2= | 1121.3333 | DESV. TIPICA= | 435.5070 |
| MEDIA DE X 3= | 1219.3333 | DESV. TIPICA= | 427.6831 |
| MEDIA DE X 4= | 1279.5833 | DESV. TIPICA= | 472.6223 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .64029148 |
| 1 | 3 | .75019893 |
| 1 | 4 | .61951587 |
| 2 | 3 | .88230023 |
| 2 | 4 | .75536739 |
| 3 | 4 | .79009536 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.08470625 |
| 1 | 3 | .45824839  |
| 1 | 4 | .08199505  |
| 2 | 3 | .66824977  |
| 2 | 4 | .20748774  |
| 3 | 4 | .31749864  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.17369     | .72236            |
| 1 3       | 1.14670     | .78635            |
| 1 4       | .11893      | .51111            |

TERMINO CONSTANTE= 287.4486

COEF. CORRELACION MULTIPLE R 1= .75354587

ERROR STAND. DE ESTIMACION S 1= .502.3794

| NANO | ESTIMACION |
|------|------------|
| 52   | 159.5      |
| 54   | 213.8      |
| 65   | 184.5      |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.04130     | .17180            |
| 2 3       | .81550      | .32097            |
| 2 4       | .14677      | .24466            |

TERMINO CONSTANTE= 7.0279

COEF. CORRELACION MULTIPLE R 2= .88826438

ERROR STAND. DE ESTIMACION S 2= 245.0010

NANO ESTIMACION

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .18312      | .12558            |
| 3 2       | .54758      | .21552            |
| 3 4       | .18404      | .19433            |

TERMINO CONSTANTE= 68.9137

COEF. CORRELACION MULTIPLE R 3= .92363274

ERROR STAND. DE ESTIMACION S 3= 200.7624

NANO ESTIMACION  
53 75.3

VARIABLE DEPENDIENTE X 4

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 4 1       | .05652      | .24291            |
| 4 2       | .29331      | .48891            |
| 4 3       | .54772      | .57836            |

TERMINO CONSTANTE= 189.9467

COEF. CORRELACION MULTIPLE R 4= .80124759

ERROR STAND. DE ESTIMACION S 4= 346.3401

NANO ESTIMACION  
64 162.6  
66 150.5



## MES DE SEPTIEMBRE

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1383.1428 | DESV. TIPICA= | 586.3235 |
| MEDIA DE X 2= | 1014.3571 | DESV. TIPICA= | 253.3285 |
| MEDIA DE X 3= | 1046.2142 | DESV. TIPICA= | 284.3001 |
| MEDIA DE X 4= | 1506.8571 | DESV. TIPICA= | 319.1958 |

## COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .09644896 |
| 1 | 3 | .35796265 |
| 1 | 4 | .27650297 |
| 2 | 3 | .65703810 |
| 2 | 4 | .39812440 |
| 3 | 4 | .59874689 |

## COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.19845315 |
| 1 | 3 | .31495050  |
| 1 | 4 | .08637486  |
| 2 | 3 | .59256805  |
| 2 | 4 | .02478239  |
| 3 | 4 | .43381142  |

## VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.56696     | .88546            |
| 1 3       | .94826      | .90365            |
| 1 4       | .18134      | .66143            |

TERMINO CONSTANTE= 692.8942

COEF. CORRELACION MULTIPLE R 1= .41019865

ERROR STAND. DE ESTIMACION S 1= 632.6949

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 50   | 58.4       |
| 66   | 137.2      |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.06946     | .10848            |
| 2 3       | .62449      | .26845            |
| 2 4       | .01821      | .23231            |

TERMINO CONSTANTE= 429.6334

COEF. CORRELACION MULTIPLE R 2= .67388000

ERROR STAND. DE ESTIMACION S 2= 221.4619

NANO ESTIMACION

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .10460      | .09968            |
| 3 2       | .56226      | .24170            |
| 3 4       | .30250      | .19867            |

TERMINO CONSTANTE= -124.6365

COEF. CORRELACION MULTIPLE R 3= .78087307

ERROR STAND. DE ESTIMACION S 3= 210.1384

NANO ESTIMACION  
49 47.0  
50 42.1

VARIABLE DEPENDIENTE X 4

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 4 1       | .04114      | .15005            |
| 4 2       | .03372      | .43017            |
| 4 3       | .62212      | .40860            |

TERMINO CONSTANTE= 764.8722

COEF. CORRELACION MULTIPLE R 4= .60276266

ERROR STAND. DE ESTIMACION S 4= 301.3567

NANO ESTIMACION  
57 165.0

MES DE OCTUBRE

|               |           |               |          |
|---------------|-----------|---------------|----------|
| MEDIA DE X 1= | 1123.6923 | DESV. TIPICA= | 605.4553 |
| MEDIA DE X 2= | 919.3076  | DESV. TIPICA= | 287.4600 |
| MEDIA DE X 3= | 1038.9230 | DESV. TIPICA= | 206.3288 |
| MEDIA DE X 4= | 1131.8461 | DESV. TIPICA= | 359.9617 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .28882012 |
| 1 | 3 | .55999737 |
| 1 | 4 | .44524639 |
| 2 | 3 | .72662526 |
| 2 | 4 | .25739616 |
| 3 | 4 | .65732469 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.17248188 |
| 1 | 3 | .38400963  |
| 1 | 4 | .03988824  |
| 2 | 3 | .76242938  |
| 2 | 4 | -.41177295 |
| 3 | 4 | .63824547  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.48035     | .91439            |
| 1 3       | 2.03811     | 1.63351           |
| 1 4       | .07972      | .66571            |

TERMINO CONSTANTE= -642.4045

COEF. CORRELACION MULTIPLE R 1= .58667304

ERROR STAND. DE ESTIMACION S 1= 589.2819

| NANO | ESTIMACION |
|------|------------|
| 50   | 298.0      |
| 54   | 292.1      |
| 66   | 0.0        |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.06193     | .11789            |
| 2 3       | 1.45302     | .41105            |
| 2 4       | -.29552     | .21800            |

TERMINO CONSTANTE= -186.1816

COEF. CORRELACION MULTIPLE R 2= .79049916

ERROR STAND. DE ESTIMACION S 2= 211.5962

NANO ESTIMACION

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .07235      | .05798            |
| 3 2       | .40006      | .11317            |
| 3 4       | .24035      | .09663            |

TERMINO CONSTANTE= 317.7933

COEF. CORRELACION MULTIPLE R 3= .89416416

ERROR STAND. DE ESTIMACION S 3= 111.0287

NANO ESTIMACION  
49 222.8  
66 112.6

VARIABLE DEPENDIENTE X 4

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 4 1       | .01995      | .16663            |
| 4 2       | -.57374     | .42324            |
| 4 3       | 1.69479     | .68140            |

TERMINO CONSTANTE= -123.9000

COEF. CORRELACION MULTIPLE R 4= .73182767

ERROR STAND. DE ESTIMACION S 4= 294.8261

NANO ESTIMACION  
57 108.8

MES DE NOVIEMBRE

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 892.9166 | DESV. TIPICA= | 677.6304 |
| MEDIA DE X 2= | 787.5833 | DESV. TIPICA= | 394.0999 |
| MEDIA DE X 3= | 965.8333 | DESV. TIPICA= | 493.1644 |
| MEDIA DE X 4= | 924.0000 | DESV. TIPICA= | 473.5398 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .66904310 |
| 1 | 3 | .53362735 |
| 1 | 4 | .78147637 |
| 2 | 3 | .83584231 |
| 2 | 4 | .84445689 |
| 3 | 4 | .55400483 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | -.23950149 |
| 1 | 3 | .30348391  |
| 1 | 4 | .59841856  |
| 2 | 3 | .83616683  |
| 2 | 4 | .79246695  |
| 3 | 4 | -.57579016 |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | -.83336     | 1.19441           |
| 1 3       | .55322      | .61409            |
| 1 4       | 1.38477     | .65548            |

TERMINO CONSTANTE= -264.5945

COEF. CORRELACION MULTIPLE R 1= .80425340

ERROR STAND. DE ESTIMACION S 1= 493.2129

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 50   | 232.5      |
| 54   | 33.8       |

VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | -.06883     | .09865            |
| 2 3       | .43805      | .10158            |
| 2 4       | .52702      | .14340            |

TERMINO CONSTANTE= -61.0146

COEF. CORRELACION MULTIPLE R 2= .95590784

ERROR STAND. DE ESTIMACION S 2= 141.7446

| NANO | ESTIMACION |
|------|------------|
| 50   | 121.5      |
| 53   | 5.2        |

VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | .16648      | .18480            |
| 3 2       | 1.59608     | .37014            |
| 3 4       | -.73092     | .36694            |

TERMINO CONSTANTE= 235.5059

COEF. CORRELACION MULTIPLE R 3= .89405725

ERROR STAND. DE ESTIMACION S 3= 270.5636

| NANO | ESTIMACION |
|------|------------|
| 49   | 174.1      |
| 66   | 161.0      |

VARIABLE DEPENDIENTE X 4

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 4 1       | .25860      | .12240            |
| 4 2       | 1.19160     | .32424            |
| 4 3       | -.45358     | .22771            |

TERMINO CONSTANTE= 192.6826

COEF. CORRELACION MULTIPLE R 4= .93002358

ERROR STAND. DE ESTIMACION S 4= 213.1372

| NANO | ESTIMACION |
|------|------------|
| 63   | 109.6      |

MES DE DICIEMBRE

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 363.5000 | DESV. TIPICA= | 316.8008 |
| MEDIA DE X 2= | 428.9375 | DESV. TIPICA= | 324.0868 |
| MEDIA DE X 3= | 482.1875 | DESV. TIPICA= | 326.9711 |
| MEDIA DE X 4= | 414.6875 | DESV. TIPICA= | 350.6128 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .65095587 |
| 1 | 3 | .49763094 |
| 1 | 4 | .49223501 |
| 2 | 3 | .93733433 |
| 2 | 4 | .90888247 |
| 3 | 4 | .89490191 |

COEF. DE CORRELACION PARCIALES

|   |   |            |
|---|---|------------|
| 1 | 2 | .62731759  |
| 1 | 3 | -.36671399 |
| 1 | 4 | -.21766303 |
| 2 | 3 | .71265190  |
| 2 | 4 | .47901934  |
| 3 | 4 | .18871998  |

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | 1.69735     | .60827            |
| 1 3       | -.76936     | .56344            |
| 1 4       | -.33913     | .43899            |

TERMINO CONSTANTE= 147.0542

COEF. CORRELACION MULTIPLE R 1= .74189743

ERROR STAND. DE ESTIMACION S 1= 245.2805

NANO

ESTIMACION

## VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .23184      | .08308            |
| 2 3       | .55258      | .15702            |
| 2 4       | .27584      | .14591            |

TERMINO CONSTANTE= -36.1745

COEF. CORRELACION MULTIPLE R 2= .97021606

ERROR STAND. DE ESTIMACION S 2= 90.6522

| NANO | ESTIMACION |
|------|------------|
| 49   | 99.3       |

## VARIABLE DEPENDIENTE X 3

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 3 1       | -.17479     | .12801            |
| 3 2       | .91909      | .26117            |
| 3 4       | .14015      | .21053            |

TERMINO CONSTANTE= 93.3719

COEF. CORRELACION MULTIPLE R 3= .95084822

ERROR STAND. DE ESTIMACION S 3= 116.9122

| NANO | ESTIMACION |
|------|------------|
| 66   | 93.7       |

## VARIABLE DEPENDIENTE X 4

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 4 1       | -.13969     | .18083            |
| 4 2       | .83185      | .44004            |
| 4 3       | .25411      | .38172            |

TERMINO CONSTANTE= -13.8770

COEF. CORRELACION MULTIPLE R 4= .92130319

ERROR STAND. DE ESTIMACION S 4= 157.4249

| NANO | ESTIMACION |
|------|------------|
|------|------------|



\*

## LOS TEQUES GFV

## EDO. MIRANDA

## PART

| 1  | .9     | .9     | .9     | 0.0    | 1530.0 | 1870.0 |
|----|--------|--------|--------|--------|--------|--------|
|    | 2410.0 | 1680.0 | 1550.0 | 1330.0 | 2310.0 | 800.0  |
| 2  | 510.0  | 0.0    | 0.0    | 520.0  | 1590.0 | 1000.0 |
|    | 1320.0 | 2350.0 | 1430.0 | 1660.0 | 1130.0 | 440.0  |
| 3  | 0.0    | 0.0    | 0.0    | 0.0    | 1500.0 | 1440.0 |
|    | 1720.0 | 1760.0 | 1740.0 | 1800.0 | 320.0  | 290.0  |
| 4  | 390.0  | 100.0  | 1170.0 | 1630.0 | 1030.0 | 2000.0 |
|    | 1070.0 | 2860.0 | 1640.0 | 1800.0 | 120.0  | 410.0  |
| 5  | 280.0  | 30.0   | 390.0  | 1510.0 | 1750.0 | 2280.0 |
|    | 1990.0 | 1550.0 | 1820.0 | 1610.0 | 1860.0 | 660.0  |
| 6  | 0.0    | 90.0   | 0.0    | 0.0    | 1460.0 | 2340.0 |
|    | 2690.0 | 1440.0 | 1340.0 | 930.0  | 720.0  | 770.0  |
| 7  | 560.0  | 0.0    | 440.0  | 140.0  | 1190.0 | 1550.0 |
|    | 2220.0 | 970.0  | 990.0  | 720.0  | 300.0  | 240.0  |
| 8  | 0.0    | 0.0    | 0.0    | 460.0  | 1190.0 | 1510.0 |
|    | 1290.0 | 1330.0 | 1840.0 | 2100.0 | 610.0  | 1270.0 |
| 9  | 480.0  | 210.0  | 0.0    | 0.0    | 1110.0 | 1300.0 |
|    | 1400.0 | 970.0  | 1630.0 | 1090.0 | 1400.0 | 1070.0 |
| 10 | 100.0  | 0.0    | 0.0    | 300.0  | 1150.0 | 1100.0 |
|    | 560.0  | 1400.0 | 1700.0 | 1800.0 | 700.0  | 500.0  |
| 11 | 80.0   | 700.0  | 200.0  | 470.0  | 950.0  | 1750.0 |
|    | 700.0  | 750.0  | 1550.0 | 1000.0 | 500.0  | 900.0  |
| 12 | 0.0    | 0.0    | 40.0   | 160.0  | 600.0  | 1150.0 |
|    | 2170.0 | 1500.0 | 1800.0 | 1500.0 | 1800.0 | 1020.0 |
| 13 | 600.0  | 0.0    | 150.0  | 0.0    | 850.0  | 1450.0 |
|    | 1350.0 | 1550.0 | 1800.0 | 1300.0 | 1800.0 | 600.0  |
| 14 | 0.0    | 0.0    | 0.0    | 220.0  | 1280.0 | 3000.0 |
|    | 1200.0 | 1100.0 | 1100.0 | 500.0  | 600.0  | 800.0  |
| 15 | 150.0  | 600.0  | 0.0    | 1050.0 | 850.0  | 1890.0 |
|    | 2300.0 | 1780.0 | 1500.0 | 1400.0 | 630.0  | 200.0  |
| 16 | 430.0  | 270.0  | 0.0    | 0.0    | 800.0  | 1650.0 |
|    | 1590.0 | 2020.0 | 1600.0 | 1460.0 | 1520.0 | 670.0  |
| 17 | 350.0  | 100.0  | 0.0    | 800.0  | 1500.0 | 2110.0 |
|    | 2240.0 | 1550.0 | 1350.0 | 1120.0 | 450.0  | 1000.0 |
| 18 | 420.0  | 250.0  | 0.0    | 240.0  | 1560.0 | 2600.0 |
|    | 2750.0 | 2500.0 | 600.0  | 1100.0 | 1220.0 | 440.0  |
| 19 | 0.0    | 0.0    | 800.0  | 1190.0 | 2000.0 | 1100.0 |
|    | 1700.0 | 2000.0 | 1100.0 | 900.0  | 1400.0 | 600.0  |
| 20 | 0.0    | 0.0    | 0.0    | 0.0    | 300.0  | 1230.0 |
|    | 1170.0 | 710.0  | 1100.0 | 500.0  | 800.0  | 540.0  |
| 21 | 250.0  | 0.0    | 300.0  | 350.0  | 480.0  | 1950.0 |
|    | 1300.0 | 700.0  | 960.0  | 1800.0 | 1400.0 | 850.0  |
| 22 | 180.0  | 200.0  | 0.0    | 0.0    | 1070.0 | 1220.0 |
|    | 450.0  | 1500.0 | 1750.0 | 800.0  | 800.0  | 750.0  |
| 23 | 750.0  | 0.0    | 0.0    | 270.0  | 1300.0 | 1200.0 |
|    | 1600.0 | 740.0  | 470.0  | 780.0  | 650.0  | 640.0  |
| 24 | 240.0  | 0.0    | 0.0    | 590.0  | 820.0  | 1770.0 |
|    | 1650.0 | 2540.0 | 2140.0 | 1020.0 | 1840.0 | 820.0  |
| 25 | 140.0  | 0.0    | 0.0    | 80.0   | 320.0  | 520.0  |
|    | 1100.0 | 2020.0 | 1170.0 | 830.0  | 720.0  | 110.0  |
| 26 | 0.0    | 0.0    | 0.0    | 0.0    | 470.0  | 840.0  |
|    | 1400.0 | 1880.0 | 1940.0 | 1240.0 | 2910.0 | 720.0  |
| 27 | 670.0  | 570.0  | 210.0  | 1890.0 | 1620.0 | 2480.0 |
|    | 2150.0 | 1120.0 | 1790.0 | 850.0  | 1390.0 | 1690.0 |
| 28 | 740.0  | 190.0  | 0.0    | 0.0    | 720.0  | 1520.0 |
|    | 1580.0 | 640.0  | 1430.0 | 690.0  | 2230.0 | 480.0  |
| 29 | 90.0   | 0.0    | 220.0  | 300.0  | 1060.0 | 540.0  |
|    | 1850.0 | 580.0  | 1840.0 | 770.0  | 820.0  | 0.0    |

|    |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|
| 30 | 0.0    | 0.0    | 0.0    | 370.0  | 800.0  | 1210.0 |
|    | 1020.0 | 1190.0 | 1300.0 | 800.0  | 980.0  | 170.0  |
| 31 | 60.0   | 0.0    | 0.0    | 480.0  | 730.0  | 2150.0 |
|    | 1850.0 | 1760.0 | 1220.0 | 810.0  | 780.0  | 690.0  |
| 32 | 400.0  | 0.0    | 0.0    | 570.0  | 1520.0 | 1580.0 |
|    | 1310.0 | 1500.0 | 670.0  | 810.0  | 1430.0 | 850.0  |
| 33 | 170.0  | 80.0   | 330.0  | 50.0   | 2360.0 | 1270.0 |
|    | 2590.0 | 1970.0 | 2870.0 | 1370.0 | 1390.0 | 1410.0 |
| 34 | 650.0  | 0.0    | 0.0    | 0.0    | 1180.0 | 300.0  |
|    | 1340.0 | 1160.0 | 1520.0 | 2580.0 | 230.0  | 640.0  |
| 35 | 180.0  | 0.0    | 120.0  | 320.0  | 1860.0 | 570.0  |
|    | 1830.0 | 1880.0 | 1620.0 | 2070.0 | 860.0  | 920.0  |
| 36 | 0.0    | 130.0  | 120.0  | 320.0  | 2210.0 | 2860.0 |
|    | 1860.0 | 1690.0 | 910.0  | 1590.0 | 1470.0 | 290.0  |
| 37 | 1320.0 | 0.0    | 0.0    | 330.0  | 1660.0 | 1170.0 |
|    | 1160.0 | 1410.0 | 1280.0 | 690.0  | 1020.0 | 250.0  |
| 38 | 320.0  | 590.0  | 0.0    | 160.0  | 1200.0 | 440.0  |
|    | 1290.0 | 2700.0 | 1470.0 | 760.0  | 1500.0 | 1040.0 |
| 39 | 130.0  | 0.0    | 0.0    | 0.0    | 250.0  | 1410.0 |
|    | 1180.0 | 1160.0 | 820.0  | 1990.0 | 610.0  | 230.0  |
| 40 | 50.2   | .2     | 30.0   | 230.0  | 300.0  | 1190.0 |
|    | 1450.0 | 1070.0 | 750.0  | 1180.0 | 1210.0 | 360.0  |
| 41 | 100.2  | .2     | .2     | 200.2  | 1000.2 | 1510.0 |
|    | 1850.0 | 1350.0 | 820.0  | 700.0  | 300.0  | 110.0  |
| 42 | 110.0  | 0.0    | 0.0    | 270.0  | 1250.0 | 2350.0 |
|    | 1370.0 | 850.0  | 2310.0 | 3600.0 | 2040.0 | 1860.0 |
| 43 | 1320.0 | 830.0  | 140.0  | 470.0  | 1390.0 | 1540.0 |
|    | 1410.0 | 1600.0 | 1060.0 | 1620.0 | 310.0  | 270.0  |
| 44 | 310.0  | 50.0   | 10.0   | 20.0   | 1520.0 | 2860.0 |
|    | 2390.0 | 1990.0 | 1860.0 | 1030.0 | 2840.0 | 430.0  |
| 45 | 20.0   | 10.0   | 30.0   | 240.0  | 1630.0 | 3510.0 |
|    | 1030.0 | 1090.0 | 1400.0 | 1040.0 | 940.0  | 310.0  |
| 46 | 130.0  | 100.0  | 0.0    | 980.0  | 1420.0 | 1510.0 |
|    | 1240.0 | 1880.0 | 1980.0 | 1550.0 | 840.0  | 1390.0 |
| 47 | 180.0  | 0.0    | 0.0    | 0.0    | 430.0  | 1450.0 |
|    | 1790.0 | 1340.0 | 1060.0 | 850.0  | 80.0   | 260.0  |
| 48 | 290.0  | 0.0    | 320.0  | 20.0   | 720.0  | 2260.0 |
|    | 2330.0 | 1710.0 | 1190.0 | 740.0  | 680.0  | 230.0  |
| 49 | 0.0    | 100.0  | 0.0    | 0.0    | 560.0  | 1400.0 |
|    | 660.0  | 1520.0 | 680.0  | 2290.0 | 1470.0 | 810.0  |
| 50 | 860.0  | 140.0  | 50.0   | 160.0  | 1090.0 | 3450.0 |
|    | 1110.0 | 910.0  | 1000.0 | 2720.0 | 2680.0 | 200.0  |
| 51 | 280.0  | 1070.0 | 270.0  | 1050.0 | 1440.0 | 3380.0 |
|    | 1630.0 | 1110.0 | 2260.0 | 800.0  | 710.0  | 630.0  |
| 52 | 70.0   | 0.0    | 140.0  | 1640.0 | 1150.0 | 1890.0 |
|    | 1560.0 | 1760.0 | 1400.0 | 760.0  | 780.0  | 320.0  |
| 53 | 700.0  | 270.0  | 100.0  | 240.0  | 1680.0 | 2790.0 |
|    | 1920.0 | 1350.0 | 1520.0 | 1210.0 | 100.0  | 540.0  |
| 54 | 50.0   | 240.0  | 10.0   | 780.0  | 830.0  | 1350.0 |
|    | 1730.0 | 940.0  | 2020.0 | 2670.0 | 760.0  | 660.0  |
| 55 | 340.0  | 80.0   | 200.0  | 780.0  | 570.0  | 1930.0 |
|    | 1660.0 | 760.0  | 1600.0 | 1450.0 | 800.0  | 330.0  |
| 56 | 650.0  | 70.0   | 220.0  | 110.0  | 1610.0 | 1300.0 |
|    | 930.0  | 2270.0 | 1160.0 | 1590.0 | 650.0  | 1430.0 |
| 57 | 200.0  | 60.0   | 0.0    | 140.0  | 510.0  | 1250.0 |
|    | 1490.0 | 1660.0 | 720.0  | 1310.0 | 1030.0 | 220.0  |
| 58 | 50.0   | 60.0   | 0.0    | 220.0  | 1470.0 | 3240.0 |
|    | 2000.0 | 1720.0 | 1850.0 | 1020.0 | 1040.0 | 80.0   |

|    |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|
| 59 | 120.0  | 0.0    | 0.0    | 60.0   | 1700.0 | 760.0  |
|    | 910.0  | 1690.0 | 1430.0 | 1460.0 | 950.0  | 300.0  |
| 60 | 20.0   | 40.0   | 0.0    | 960.0  | 960.0  | 2190.0 |
|    | 1940.0 | 2870.0 | 1480.0 | 1410.0 | 1120.0 | 1090.0 |
| 61 | 140.0  | 100.0  | 30.0   | 120.0  | 310.0  | 730.0  |
|    | 3990.0 | 1300.0 | .8     | 1390.0 | 1580.0 | .9     |
| 63 | .9     | .9     | 630.0  | 380.0  | 3240.0 | 2390.0 |
|    | 920.0  | 830.0  | 2740.0 | .8     | 950.0  | 470.0  |
| 64 | 50.0   | 10.0   | 0.0    | .8     | 890.0  | 1710.0 |
|    | 2390.0 | 1680.0 | 1810.0 | 1310.0 | 600.0  | 310.0  |
| 65 | 620.0  | 380.0  | 0.0    | 20.0   | 920.0  | 2950.0 |
|    | 1900.0 | 1560.0 | 1470.0 | 1040.0 | 1410.0 | 340.0  |
| 66 | 280.0  | 130.0  | 0.0    | 410.0  | 870.0  | 3670.0 |
|    | 2080.0 | 1030.0 | 0.0    | 0.0    | 0.0    | 0.0    |

| *  | LOS TEQUES INOS |        |        | EDO.MIRANDA |        | INOS   |
|----|-----------------|--------|--------|-------------|--------|--------|
| 48 | .9              | .9     | .9     | .9          | .9     | .9     |
|    | .9              | .9     | .9     | 700.0       | 630.0  | 290.0  |
| 49 | 20.0            | 50.0   | 10.0   | 0.0         | 710.0  | 1550.0 |
|    | 620.0           | 1770.0 | 1030.0 | 2410.0      | 1650.0 | 800.1  |
| 50 | 850.2           | 150.1  | 60.0   | 150.1       | 1040.0 | 3740.0 |
|    | 1320.0          | 900.1  | 1290.0 | 3050.0      | 1820.0 | 200.2  |
| 51 | 240.0           | 190.0  | 250.0  | 1100.1      | 1330.0 | 3030.0 |
|    | 1700.0          | 1020.0 | 2180.0 | 830.0       | 750.0  | 620.0  |
| 52 | 90.0            | 10.0   | 150.0  | 1580.0      | 1320.0 | 1740.0 |
|    | 1760.0          | 1770.0 | 1620.0 | 840.0       | 800.0  | 300.0  |
| 53 | 720.0           | 250.0  | 70.0   | 180.0       | 1580.0 | 2790.0 |
|    | 2050.0          | 1370.0 | 1710.0 | 1330.0      | 110.0  | 510.0  |
| 54 | 60.0            | 180.0  | 20.0   | 730.0       | 950.0  | 1410.0 |
|    | 2290.0          | 890.0  | 2560.0 | 2900.0      | 780.0  | 790.0  |
| 55 | 400.0           | 250.0  | 250.0  | 830.0       | 500.0  | 1920.0 |
|    | 1630.0          | 650.0  | 1460.0 | 1390.0      | .9     | .9     |
| 56 | 660.0           | 135.0  | 244.0  | 120.0       | 948.0  | 2781.0 |
|    | 983.0           | 2494.0 | 1320.0 | 1469.0      | 715.0  | 1373.0 |
| 57 | 228.0           | 87.0   | 2.0    | 106.0       | 626.0  | 1400.0 |
|    | 1641.0          | 1911.0 | 847.0  | 991.0       | 1155.0 | 241.0  |
| 58 | 80.4            | 97.5   | 0.0    | 261.0       | 1458.0 | 3747.0 |
|    | 2081.0          | 968.0  | 1128.0 | 1095.0      | 890.0  | 99.0   |
| 59 | 24.0            | 0.0    | 0.0    | 43.0        | 1751.0 | 802.0  |
|    | 1100.0          | 1886.0 | 1261.0 | 1333.0      | 953.0  | 177.0  |
| 60 | 15.0            | 8.0    | 0.0    | 789.0       | 957.0  | 2034.0 |
|    | 2012.0          | 2946.0 | 1636.0 | 1353.0      | 1167.0 | 1095.0 |
| 61 | 128.0           | 77.0   | 18.0   | 146.0       | 324.0  | 722.0  |
|    | 3270.0          | 1060.0 | 1743.0 | 1281.0      | 1207.0 | 116.0  |
| 62 | 34.0            | 41.0   | 348.0  | 104.0       | 1390.0 | 1514.0 |
|    | 969.0           | 1324.0 | 913.0  | 1464.0      | 167.0  | 80.0   |
| 63 | 128.0           | 0.0    | 589.0  | 335.0       | 1855.0 | 2463.0 |
|    | 1250.0          | 636.0  | 3162.0 | 755.0       | 726.0  | 304.0  |
| 64 | 49.0            | 9.0    | 18.0   | 35.0        | 887.0  | 1061.0 |
|    | 1319.0          | 1216.0 | 1457.0 | 1218.0      | 552.0  | 288.0  |
| 65 | 617.0           | 324.0  | 2.0    | 0.0         | 324.0  | 571.0  |
|    | 418.0           | 1865.0 | 938.0  | 1137.0      | 1247.0 | 267.0  |
| 66 | 200.0           | 135.0  | 4.0    | 425.0       | 1044.0 | 3495.0 |
|    | 2412.0          | 851.0  | 442.0  | 1685.0      | 696.0  | 592.0  |

MES DE ENERO

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 292.0000 | DESV. TIPICA= | 272.5484 |
| MEDIA DE X 2= | 281.9333 | DESV. TIPICA= | 280.7783 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .79961983 |
|---|---|-----------|

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .79961983 |
|---|---|-----------|

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .77618      | .16166            |

TERMINO CONSTANTE= 73.1683

COEF. CORRELACION MULTIPLE R 1= .79961983

ERROR STAND. DE ESTIMACION S 1= 175.8067

| NANO | ESTIMACION |
|------|------------|
| 62   | 9.9        |
| 66   | 22.8       |

## VARIABLE DEPENDIENTE X 2

VARIABLES      COEF. REGR.      ERROR COEF. REGR.  
 2    1                    .82376                    .17157

TERMINO CONSTANTE=    41.3939

COEF. CORRELACION MULTIPLE R 2=    .79961983

ERROR STAND. DE ESTIMACION S 2=    181.1153

NANO                    ESTIMACION

|    |       |
|----|-------|
| 2  | 46.1  |
| 3  | 4.1   |
| 4  | 36.2  |
| 5  | 27.2  |
| 6  | 4.1   |
| 7  | 50.2  |
| 8  | 4.1   |
| 9  | 43.6  |
| 10 | 12.3  |
| 11 | 10.7  |
| 12 | 4.1   |
| 13 | 53.5  |
| 14 | 4.1   |
| 15 | 16.4  |
| 16 | 39.5  |
| 17 | 32.9  |
| 18 | 38.7  |
| 19 | 4.1   |
| 20 | 4.1   |
| 21 | 24.7  |
| 22 | 18.9  |
| 23 | 65.9  |
| 24 | 23.9  |
| 25 | 15.6  |
| 26 | 4.1   |
| 27 | 59.3  |
| 28 | 65.0  |
| 29 | 11.5  |
| 30 | 4.1   |
| 31 | 9.0   |
| 32 | 37.0  |
| 33 | 18.1  |
| 34 | 57.6  |
| 35 | 18.9  |
| 36 | 4.1   |
| 37 | 112.8 |
| 38 | 30.4  |
| 39 | 14.8  |
| 40 | 8.2   |
| 41 | 12.3  |
| 42 | 13.2  |
| 43 | 112.8 |
| 44 | 29.6  |
| 45 | 5.7   |
| 46 | 14.8  |
| 47 | 18.9  |
| 48 | 28.0  |
| 58 | 8.2   |

MES DE FEBRERO

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 179.3333 | DESV. TIPICA= | 259.5500 |
| MEDIA DE X 2= | 114.6666 | DESV. TIPICA= | 102.7025 |

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1 2 .29955630

COEF. DE CORRELACION PARCIALES  
 1 2 .29955630

VARIABLE DEPENDIENTE X 1

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 1 2       | .75703      | .66873            |

TERMINO CONSTANTE= 92.5262

COEF. CORRELACION MULTIPLE R 1= .29955630

ERROR STAND. DE ESTIMACION S 1= 265.9985

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 62   | 12.3       |
| 66   | 19.4       |

VARIABLE DEPENDIENTE X 2

VARIABLES COEF. REGR. ERROR COEF. REGR.  
2 1 .11853 .10470

TERMINO CONSTANTE= 93.4097

COEF. CORRELACION MULTIPLE R 2= .29955630

ERROR STAND. DE ESTIMACION S 2= 105.2542

| NANO | ESTIMACION |
|------|------------|
| 2    | 9.3        |
| 3    | 9.3        |
| 4    | 10.5       |
| 5    | 9.6        |
| 6    | 10.4       |
| 7    | 9.3        |
| 8    | 9.3        |
| 9    | 11.8       |
| 10   | 9.3        |
| 11   | 17.6       |
| 12   | 9.3        |
| 13   | 9.3        |
| 14   | 9.3        |
| 15   | 16.4       |
| 16   | 12.5       |
| 17   | 10.5       |
| 18   | 12.3       |
| 19   | 9.3        |
| 20   | 9.3        |
| 21   | 9.3        |
| 22   | 11.7       |
| 23   | 9.3        |
| 24   | 9.3        |
| 25   | 9.3        |
| 26   | 9.3        |
| 27   | 16.0       |
| 28   | 11.5       |
| 29   | 9.3        |
| 30   | 9.3        |
| 31   | 9.3        |
| 32   | 9.3        |
| 33   | 10.2       |
| 34   | 9.3        |
| 35   | 9.3        |
| 36   | 10.8       |
| 37   | 9.3        |
| 38   | 16.3       |
| 39   | 9.3        |
| 40   | 9.3        |
| 41   | 9.3        |
| 42   | 9.3        |
| 43   | 19.1       |
| 44   | 9.9        |
| 45   | 9.4        |
| 46   | 10.5       |
| 47   | 9.3        |
| 48   | 9.3        |
| 58   | 10.0       |

MES DE MARZO

|               |          |               |          |
|---------------|----------|---------------|----------|
| MEDIA DE X 1= | 97.0588  | DESV. TIPICA= | 159.2543 |
| MEDIA DE X 2= | 119.4705 | DESV. TIPICA= | 161.2583 |

COEF. DE CORR. TOTALES (ORDEN CERO)

|   |   |           |
|---|---|-----------|
| 1 | 2 | .51544809 |
|---|---|-----------|

COEF. DE CORRELACION PARCIALES

|   |   |           |
|---|---|-----------|
| 1 | 2 | .51544809 |
|---|---|-----------|

VARIABLE DEPENDIENTE X 1

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 1 2       | .50904      | .21850            |

TERMINO CONSTANTE= 36.2432

COEF. CORRELACION MULTIPLE R 1= .51544809

ERROR STAND. DE ESTIMACION S 1= 145.2816

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 66   | 3.8        |



## VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .52193      | .22404            |

TERMINO CONSTANTE= 68.8122

COEF. CORRELACION MULTIPLE R 2= .51544809

ERROR STAND. DE ESTIMACION S 2= 147.1098

| NANO | ESTIMACION |
|------|------------|
| 2    | 6.8        |
| 3    | 6.8        |
| 4    | 67.9       |
| 5    | 27.2       |
| 6    | 6.8        |
| 7    | 29.8       |
| 8    | 6.8        |
| 9    | 6.8        |
| 10   | 6.8        |
| 11   | 17.3       |
| 12   | 8.9        |
| 13   | 14.7       |
| 14   | 6.8        |
| 15   | 6.8        |
| 16   | 6.8        |
| 17   | 6.8        |
| 18   | 6.8        |
| 19   | 48.6       |
| 20   | 6.8        |
| 21   | 22.5       |
| 22   | 6.8        |
| 23   | 6.8        |
| 24   | 6.8        |
| 25   | 6.8        |
| 26   | 6.8        |
| 27   | 17.8       |
| 28   | 6.8        |
| 29   | 18.3       |
| 30   | 6.8        |
| 31   | 6.8        |
| 32   | 6.8        |
| 33   | 24.1       |
| 34   | 6.8        |
| 35   | 13.1       |
| 36   | 13.1       |
| 37   | 6.8        |
| 38   | 6.8        |
| 39   | 6.8        |
| 40   | 8.4        |
| 41   | 6.8        |
| 42   | 6.8        |
| 43   | 14.1       |
| 44   | 7.4        |
| 45   | 8.4        |
| 46   | 6.8        |
| 47   | 6.8        |
| 48   | 23.5       |

MES DE ABRIL

MEDIA DE X 1= 441.8750

DESV. TIPICA= 454.1918

MEDIA DE X 2= 385.8750

DESV. TIPICA= 457.7247

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .96361317

COEF. DE CORRELACION PARCIALES

1 2 .96361317

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

.95617

.07088

TERMINO CONSTANTE= 72.9107

COEF. CORRELACION MULTIPLE R 1= .96361317

ERROR STAND. DE ESTIMACION S 1= 129.7882

NANO

ESTIMACION

63

39.3

66

47.9

## VARIABLE DEPENDIENTE X 2

VARIABLES      COEF. REGR.      ERROR COEF. REGR.  
 2      1      .97110      .07199

TERMINO CONSTANTE= -43.2336

COEF. CORRELACION MULTIPLE R 2= .96361317

ERROR STAND. DE ESTIMACION S 2= 130.7978

| NANO | ESTIMACION |
|------|------------|
| 1    | 0.0        |
| 2    | 46.1       |
| 3    | 0.0        |
| 4    | 153.9      |
| 5    | 142.3      |
| 6    | 0.0        |
| 7    | 9.2        |
| 8    | 40.3       |
| 9    | 0.0        |
| 10   | 24.8       |
| 11   | 41.3       |
| 12   | 11.2       |
| 13   | 0.0        |
| 14   | 17.0       |
| 15   | 97.6       |
| 16   | 0.0        |
| 17   | 73.3       |
| 18   | 18.9       |
| 19   | 111.2      |
| 20   | 0.0        |
| 21   | 29.6       |
| 22   | 0.0        |
| 23   | 21.8       |
| 24   | 52.9       |
| 25   | 3.4        |
| 26   | 0.0        |
| 27   | 179.2      |
| 28   | 0.0        |
| 29   | 24.8       |
| 30   | 31.6       |
| 31   | 42.2       |
| 32   | 51.0       |
| 33   | .5         |
| 34   | 0.0        |
| 35   | 26.7       |
| 36   | 26.7       |
| 37   | 27.7       |
| 38   | 11.2       |
| 39   | 0.0        |
| 40   | 18.0       |
| 41   | 15.0       |
| 42   | 21.8       |
| 43   | 41.3       |
| 44   | 0.0        |
| 45   | 18.9       |
| 46   | 90.8       |
| 47   | 0.0        |
| 48   | 0.0        |

MES DE MAYO

MEDIA DE X 1= 1164.7058      DESV. TIPICA= 663.6185  
 MEDIA DE X 2= 1055.8823      DESV. TIPICA= 457.6700

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1    2      .58548041

COEF. DE CORRELACION PARCIALES  
 1    2      .58548041

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1    2    | .84894      | .30351            |

TERMINO CONSTANTE= 268.3221

COEF. CORRELACION MULTIPLE R 1= .58548041

ERROR STAND. DE ESTIMACION S 1= 572.7305

| NANO | ESTIMACION |
|------|------------|
| 66   | 115.4      |

## VARIABLE DEPENDIENTE X 2

VARIABLES      COEF. REGR.      ERROR COEF. REGR.  
           2    1            .40378            .14435

TERMINO CONSTANTE= 585.5957

COEF. CORRELACION MULTIPLE R 2= .58548041

ERROR STAND. DE ESTIMACION S 2= 394.9883

| NANO | ESTIMACION |
|------|------------|
| 1    | 120.3      |
| 2    | 122.7      |
| 3    | 119.1      |
| 4    | 100.1      |
| 5    | 129.2      |
| 6    | 117.5      |
| 7    | 106.6      |
| 8    | 106.6      |
| 9    | 103.3      |
| 10   | 104.9      |
| 11   | 96.9       |
| 12   | 82.7       |
| 13   | 92.8       |
| 14   | 110.2      |
| 15   | 92.8       |
| 16   | 90.8       |
| 17   | 119.1      |
| 18   | 121.5      |
| 19   | 139.3      |
| 20   | 70.6       |
| 21   | 77.9       |
| 22   | 101.7      |
| 23   | 111.0      |
| 24   | 91.6       |
| 25   | 71.4       |
| 26   | 77.5       |
| 27   | 123.9      |
| 28   | 87.6       |
| 29   | 101.3      |
| 30   | 90.8       |
| 31   | 88.0       |
| 32   | 119.9      |
| 33   | 153.8      |
| 34   | 106.2      |
| 35   | 133.6      |
| 36   | 147.7      |
| 37   | 125.5      |
| 38   | 107.0      |
| 39   | 68.6       |
| 40   | 70.6       |
| 41   | 98.9       |
| 42   | 109.0      |
| 43   | 114.6      |
| 44   | 119.9      |
| 45   | 124.3      |
| 46   | 115.8      |
| 47   | 75.9       |
| 48   | 87.6       |

MES DE JUNIO

MEDIA DE X 1= 2140.0000  
 MEDIA DE X 2= 1957.3529

DESV. TIPICA= 933.1036  
 DESV. TIPICA= 963.2122

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1 2 .45421406

COEF. DE CORRELACION PARCIALES  
 1 2 .45421406

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1 2       | .44001      | .22283            |

TERMINO CONSTANTE= 1278.7333

COEF. CORRELACION MULTIPLE R 1= .45421406

ERROR STAND. DE ESTIMACION S 1= 884.9811

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 66   | 281.6      |

## VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .46887      | .23744            |

TERMINO CONSTANTE= 953.9705

COEF. CORRELACION MULTIPLE R 2= .4 21406

ERROR STAND. DE ESTIMACION S 2= 913.5370

| NANO | ESTIMACION |
|------|------------|
| 1    | 183.0      |
| 2    | 142.2      |
| 3    | 162.9      |
| 4    | 189.1      |
| 5    | 202.2      |
| 6    | 205.1      |
| 7    | 168.0      |
| 8    | 166.1      |
| 9    | 156.3      |
| 10   | 146.9      |
| 11   | 177.4      |
| 12   | 149.3      |
| 13   | 163.3      |
| 14   | 236.0      |
| 15   | 184.0      |
| 16   | 172.7      |
| 17   | 194.3      |
| 18   | 217.3      |
| 19   | 146.9      |
| 20   | 153.0      |
| 21   | 186.8      |
| 22   | 152.5      |
| 23   | 151.6      |
| 24   | 178.3      |
| 25   | 119.7      |
| 26   | 134.7      |
| 27   | 211.6      |
| 28   | 166.6      |
| 29   | 120.7      |
| 30   | 152.1      |
| 31   | 196.2      |
| 32   | 169.4      |
| 33   | 154.9      |
| 34   | 109.4      |
| 35   | 122.1      |
| 36   | 229.4      |
| 37   | 150.2      |
| 38   | 116.0      |
| 39   | 161.5      |
| 40   | 151.1      |
| 41   | 166.1      |
| 42   | 205.5      |
| 43   | 167.6      |
| 44   | 229.4      |
| 45   | 259.9      |
| 46   | 166.1      |
| 47   | 163.3      |
| 48   | 201.3      |

MES DE JULIO

MEDIA DE X 1= 1695.2941      DESV. TIPICA= 744.6445  
 MEDIA DE X 2= 1553.7058      DESV. TIPICA= 665.8293

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1    2      .70521824

COEF. DE CORRELACION PARCIALES  
 1    2      .70521824

VARIABLE DEPENDIENTE X 1

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 1    2    | .78869      | .20472            |

TERMINO CONSTANTE= 469.8924

COEF. CORRELACION MULTIPLE R 1= .70521824

ERROR STAND. DE ESTIMACION S 1= 562.0411

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 66   | 237.2      |



## VARIABLE DEPENDIENTE X 2

VARIABLES      COEF. REGR.      ERROR COEF. REGR.  
 2      1      .63057      .16368

TERMINO CONSTANTE= 484.6940

COEF. CORRELACION MULTIPLE R 2= .70521824

ERROR STAND. DE ESTIMACION S 2= 502.5531

NANO      ESTIMACION

|    |       |
|----|-------|
| 1  | 200.4 |
| 2  | 131.7 |
| 3  | 156.9 |
| 4  | 115.9 |
| 5  | 173.9 |
| 6  | 218.0 |
| 7  | 188.4 |
| 8  | 129.8 |
| 9  | 136.7 |
| 10 | 83.7  |
| 11 | 92.6  |
| 12 | 185.3 |
| 13 | 133.5 |
| 14 | 124.1 |
| 15 | 193.5 |
| 16 | 148.7 |
| 17 | 189.7 |
| 18 | 221.8 |
| 19 | 155.6 |
| 20 | 122.2 |
| 21 | 130.4 |
| 22 | 76.8  |
| 23 | 149.3 |
| 24 | 152.5 |
| 25 | 117.8 |
| 26 | 136.7 |
| 27 | 184.0 |
| 28 | 148.1 |
| 29 | 165.1 |
| 30 | 112.7 |
| 31 | 165.1 |
| 32 | 131.0 |
| 33 | 211.7 |
| 34 | 132.9 |
| 35 | 163.8 |
| 36 | 165.7 |
| 37 | 121.6 |
| 38 | 129.8 |
| 39 | 122.8 |
| 40 | 139.9 |
| 41 | 165.1 |
| 42 | 134.8 |
| 43 | 137.3 |
| 44 | 199.1 |
| 45 | 113.4 |
| 46 | 126.6 |
| 47 | 161.3 |
| 48 | 195.3 |

MES DE AGOSTO

MEDIA DE X 1= 1468.2352      DESV. TIPICA= 529.1751  
 MEDIA DE X 2= 1451.5294      DESV. TIPICA= 626.5031

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1    2      .74715928

COEF. DE CORRELACION PARCIALES  
 1    2      .74715928

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1    2    | .63108      | .14495            |

TERMINO CONSTANTE= 552.1937

COEF. CORRELACION MULTIPLE R 1= .74715928

ERROR STAND. DE ESTIMACION S 1= 374.4277

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 66   | 108.9      |

## VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .88457      | .20317            |

TERMINO CONSTANTE= 152.7579

COEF. CORRELACION MULTIPLE R 2= .74715928

ERROR STAND. DE ESTIMACION S 2= 443.2940

|      |            |
|------|------------|
| NANO | ESTIMACION |
|------|------------|

|    |       |
|----|-------|
| 1  | 163.8 |
| 2  | 223.1 |
| 3  | 170.9 |
| 4  | 268.2 |
| 5  | 152.3 |
| 6  | 142.6 |
| 7  | 101.0 |
| 8  | 132.9 |
| 9  | 101.0 |
| 10 | 139.1 |
| 11 | 81.6  |
| 12 | 147.9 |
| 13 | 152.3 |
| 14 | 112.5 |
| 15 | 172.7 |
| 16 | 193.9 |
| 17 | 152.3 |
| 18 | 236.4 |
| 19 | 192.1 |
| 20 | 78.0  |
| 21 | 77.1  |
| 22 | 147.9 |
| 23 | 80.7  |
| 24 | 239.9 |
| 25 | 193.9 |
| 26 | 181.5 |
| 27 | 114.3 |
| 28 | 71.8  |
| 29 | 66.5  |
| 30 | 120.5 |
| 31 | 170.9 |
| 32 | 147.9 |
| 33 | 189.5 |
| 34 | 117.8 |
| 35 | 181.5 |
| 36 | 164.7 |
| 37 | 140.0 |
| 38 | 254.1 |
| 39 | 117.8 |
| 40 | 109.9 |
| 41 | 134.6 |
| 42 | 90.4  |
| 43 | 156.8 |
| 44 | 191.3 |
| 45 | 111.6 |
| 46 | 181.5 |
| 47 | 133.8 |
| 48 | 166.5 |

MES DE SEPTIEMBRE

MEDIA DE X 1= 1446.2500

DESV. TIPICA= 636.4439

MEDIA DE X 2= 1532.0000

DESV. TIPICA= 611.9656

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .42686517

COEF. DE CORRELACION PARCIALES

1 2 .42686517

VARIABLE DEPENDIENTE X 1

VARIABLES

COEF. REGR.

ERROR COEF. REGR.

1 2

.44393

.25135

TERMINO CONSTANTE= 766.1346

COEF. CORRELACION MULTIPLE R 1= .42686517

ERROR STAND. DE ESTIMACION S 1= 615.2845

NANO

ESTIMACION

61

153.9

66

96.2

## VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .41044      | .23239            |

TERMINO CONSTANTE= 938.3903

COEF. CORRELACION MULTIPLE R 2= .42686517

ERROR STAND. DE ESTIMACION S 2= 591.6200

|      |            |
|------|------------|
| NANO | ESTIMACION |
|------|------------|

|    |       |
|----|-------|
| 1  | 157.4 |
| 2  | 152.5 |
| 3  | 165.2 |
| 4  | 161.1 |
| 5  | 168.5 |
| 6  | 148.8 |
| 7  | 134.4 |
| 8  | 169.3 |
| 9  | 160.7 |
| 10 | 163.6 |
| 11 | 157.4 |
| 12 | 167.7 |
| 13 | 167.7 |
| 14 | 138.9 |
| 15 | 155.4 |
| 16 | 159.5 |
| 17 | 149.2 |
| 18 | 118.4 |
| 19 | 138.9 |
| 20 | 138.9 |
| 21 | 133.2 |
| 22 | 165.6 |
| 23 | 113.1 |
| 24 | 181.6 |
| 25 | 141.8 |
| 26 | 173.4 |
| 27 | 167.3 |
| 28 | 152.5 |
| 29 | 169.3 |
| 30 | 147.1 |
| 31 | 143.9 |
| 32 | 121.3 |
| 33 | 211.6 |
| 34 | 156.2 |
| 35 | 160.3 |
| 36 | 131.1 |
| 37 | 146.3 |
| 38 | 154.1 |
| 39 | 127.4 |
| 40 | 124.6 |
| 41 | 127.4 |
| 42 | 188.6 |
| 43 | 137.3 |
| 44 | 170.1 |
| 45 | 151.3 |
| 46 | 175.1 |
| 47 | 137.3 |
| 48 | 142.6 |

MES DE OCTUBRE

MEDIA DE X 1= 1362.9411      DESV. TIPICA= 671.1689  
 MEDIA DE X 2= 1416.5882      DESV. TIPICA= 682.7998

COEF. DE CORR. TOTALES (ORDEN CERO)  
       1    2      .87564351

COEF. DE CORRELACION PARCIALES  
       1    2      .87564351

VARIABLE    DEPENDIENTE    X 1

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 1    2    | .86072      | .12257            |

TERMINO CONSTANTE= 143.6444

COEF. CORRELACION MULTIPLE R 1= .87564351

ERROR STAND. DE ESTIMACION S 1= 345.0802

| NANO | ESTIMACION |
|------|------------|
| 62   | 140.3      |
| 66   | 159.3      |

## VARIABLE DEPENDIENTE X 2

| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
|-----------|-------------|-------------------|
| 2 1       | .89081      | .12686            |

TERMINO CONSTANTE= 202.4560

COEF. CORRELACION MULTIPLE R 2= .87564351

ERROR STAND. DE ESTIMACION S 2= 351.0602

| NANO | ESTIMACION |
|------|------------|
| 1    | 138.7      |
| 2    | 168.1      |
| 3    | 180.5      |
| 4    | 180.5      |
| 5    | 163.6      |
| 6    | 103.0      |
| 7    | 84.3       |
| 8    | 207.3      |
| 9    | 117.3      |
| 10   | 180.5      |
| 11   | 109.3      |
| 12   | 153.8      |
| 13   | 136.0      |
| 14   | 64.7       |
| 15   | 144.9      |
| 16   | 150.3      |
| 17   | 120.0      |
| 18   | 118.2      |
| 19   | 100.4      |
| 20   | 64.7       |
| 21   | 180.5      |
| 22   | 91.5       |
| 23   | 89.7       |
| 24   | 111.1      |
| 25   | 94.1       |
| 26   | 130.7      |
| 27   | 95.9       |
| 28   | 81.7       |
| 29   | 88.8       |
| 30   | 91.5       |
| 31   | 92.4       |
| 32   | 92.4       |
| 33   | 142.2      |
| 34   | 250.0      |
| 35   | 204.6      |
| 36   | 161.8      |
| 37   | 81.7       |
| 38   | 87.9       |
| 39   | 197.5      |
| 40   | 125.3      |
| 41   | 82.6       |
| 42   | 340.9      |
| 43   | 164.5      |
| 44   | 111.9      |
| 45   | 112.8      |
| 46   | 158.3      |
| 47   | 95.9       |

MES DE NOVIEMBRE

MEDIA DE X 1= 971.1764 DESV. TIPICA= 591.1393  
 MEDIA DE X 2= 901.1176 DESV. TIPICA= 435.8597

COEF. DE CORR. TOTALES (ORDEN CERO)

1 2 .61330978

COEF. DE CORRELACION PARCIALES

1 2 .61330978

VARIABLE DEPENDIENTE X 1

| VARIABLES | COEF. REGR. | ERROR | COEF. REGR. |
|-----------|-------------|-------|-------------|
| 1 2       | .83180      |       | .27659      |

TERMINO CONSTANTE= 221.6198

COEF. CORRELACION MULTIPLE R 1= .61330978

ERROR STAND. DE ESTIMACION S 1= 497.0603

| NANO | ESTIMACION |
|------|------------|
| 66   | 80.0       |



## VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .45220      | .15036            |

TERMINO CONSTANTE= 461.9452

COEF. CORRELACION MULTIPLE R 2= .61330978

ERROR STAND. DE ESTIMACION S 2= 366.4933

|      |            |
|------|------------|
| NANO | ESTIMACION |
|------|------------|

|    |       |
|----|-------|
| 1  | 150.6 |
| 2  | 97.2  |
| 3  | 60.6  |
| 4  | 51.6  |
| 5  | 130.3 |
| 6  | 78.7  |
| 7  | 59.7  |
| 8  | 73.7  |
| 9  | 109.5 |
| 10 | 77.8  |
| 11 | 68.8  |
| 12 | 127.5 |
| 13 | 127.5 |
| 14 | 73.3  |
| 15 | 74.6  |
| 16 | 114.9 |
| 17 | 66.5  |
| 18 | 101.3 |
| 19 | 109.5 |
| 20 | 82.3  |
| 21 | 109.5 |
| 22 | 82.3  |
| 23 | 75.5  |
| 24 | 129.4 |
| 25 | 78.7  |
| 26 | 177.7 |
| 27 | 109.0 |
| 28 | 147.0 |
| 29 | 83.2  |
| 30 | 90.5  |
| 31 | 81.4  |
| 32 | 110.8 |
| 33 | 109.0 |
| 34 | 56.5  |
| 35 | 85.0  |
| 36 | 112.6 |
| 37 | 92.3  |
| 38 | 114.0 |
| 39 | 73.7  |
| 40 | 100.9 |
| 41 | 59.7  |
| 42 | 138.4 |
| 43 | 60.2  |
| 44 | 174.6 |
| 45 | 88.7  |
| 46 | 84.1  |
| 47 | 49.8  |
| 55 | 82.3  |

MES DE DICIEMBRE

MEDIA DE X 1= 476.8750 DESV. TIPICA= 366.3454  
 MEDIA DE X 2= 464.6250 DESV. TIPICA= 362.7233

COEF. DE CORR. TOTALES (ORDEN CERO)  
 1 2 .93774481

COEF. DE CORRELACION PARCIALES  
 1 2 .93774481

VARIABLE DEPENDIENTE X 1

VARIABLES COEF.REGR. ERROR COEF. REGR.

1 2 .94710 .09375

TERMINO CONSTANTE= 36.8245

COEF. CORRELACION MULTIPLE R 1= .93774481

ERROR STAND. DE ESTIMACION S 1= 136.0262

|      |            |
|------|------------|
| NANO | ESTIMACION |
| 61   | 14.6       |
| 66   | 59.7       |

## VARIABLE DEPENDIENTE X 2

|           |             |                   |
|-----------|-------------|-------------------|
| VARIABLES | COEF. REGR. | ERROR COEF. REGR. |
| 2 1       | .92847      | .09190            |

TERMINO CONSTANTE= 21.8593

COEF. CORRELACION MULTIPLE R 2= .93774481

ERROR STAND. DE ESTIMACION S 2= 134.6813

| NANO | ESTIMACION |
|------|------------|
|------|------------|

|    |       |
|----|-------|
| 1  | 76.4  |
| 2  | 43.0  |
| 3  | 29.1  |
| 4  | 40.2  |
| 5  | 63.4  |
| 6  | 73.6  |
| 7  | 24.4  |
| 8  | 120.1 |
| 9  | 101.5 |
| 10 | 48.6  |
| 11 | 85.7  |
| 12 | 96.8  |
| 13 | 57.8  |
| 14 | 76.4  |
| 15 | 20.7  |
| 16 | 64.3  |
| 17 | 95.0  |
| 18 | 43.0  |
| 19 | 57.8  |
| 20 | 52.3  |
| 21 | 81.1  |
| 22 | 71.8  |
| 23 | 61.6  |
| 24 | 78.3  |
| 25 | 12.3  |
| 26 | 69.0  |
| 27 | 159.0 |
| 28 | 46.7  |
| 29 | 2.1   |
| 30 | 17.9  |
| 31 | 66.2  |
| 32 | 81.1  |
| 33 | 133.1 |
| 34 | 61.6  |
| 35 | 87.6  |
| 36 | 29.1  |
| 37 | 25.3  |
| 38 | 98.7  |
| 39 | 23.5  |
| 40 | 35.6  |
| 41 | 12.3  |
| 42 | 174.8 |
| 43 | 27.2  |
| 44 | 42.1  |
| 45 | 30.9  |
| 46 | 131.2 |
| 47 | 26.3  |
| 55 | 32.8  |

ESTACIONES UTILIZADAS EN ORDEN ALFABETICO.

|                            |              |        |      |
|----------------------------|--------------|--------|------|
| Altos de Pipe              | EDO. MIRANDA | INOS   | 565  |
| Alto Izcaragua             | DTO. FEDERAL | INOS   | 1417 |
| Alto Ño-León               | " "          | "      | 1425 |
| Baruta                     | EDO. MIRANDA | "      | 5052 |
| Caracas Cagigal-           | DTO. FEDERAL | S.M.N. | 531  |
| Caracas Cda. Universitaria | DTO. FEDERAL | INOS   | 539  |
| Caracas Cda. Universitaria | DTO. FEDERAL | U.C.V. | 613  |
| Caracas Edif. La Paz       | DTO. FEDERAL | INOS   | 614  |
| Caracas Jardin Botánico    | DTO. FEDERAL | M.O.P. | 535  |
| Caracas La Carolina        | DTO. FEDERAL | M.O.P. | 541  |
| Caracas La Salle           | DTO. FEDERAL | INOS   | 520  |
| Caracas Subida Avila       | DTO. FEDERAL | INOS   | 5024 |
| Caracas Teleférico         | DTO. FEDERAL | INOS   | 519  |
| Carrizales                 | EDO. MIRANDA | INOS   | 573  |
| Caurimare                  | EDO. MIRANDA | INOS   | 5027 |
| Chacaito                   | DTO. FEDERAL | INOS   | 5021 |
| El Almendro                | EDO. MIRANDA | INOS   | 576  |
| El Carite                  | DTO. FEDERAL | "      | 1439 |
| El Encantado               | EDO. MIRANDA | PART.  | 556  |
| El Hatillo                 | EDO. MIRANDA | INOS   | 546  |
| El Jarillo Ar.             | Edo. ARAGUA  | INOS   | 9343 |
| Hda. MONTALBAN             | DTO. FEDERAL | INOS   | 540  |

|                     |              |        |      |
|---------------------|--------------|--------|------|
| La Guairita         | EDO. MIRANDA | INOS   | 550  |
| La Mariposa         | EDO. MIRANDA | INOS   | 563  |
| Las Marias          | " "          | "      | 615  |
| Lecherito           | " "          | "      | 668  |
| Los Teques G.F.V.   | " "          | PART.  | 4449 |
| Los Teques INOS     | " "          | INOS   | 1448 |
| Los Venados         | DTO. FEDERAL | M.A.C. | 514  |
| Llano de Cura       | " "          | INOS   | 1437 |
| Macarao             | " "          | INOS   | 1428 |
| Oropeza             | EDO. MIRANDA | "      | 1446 |
| Petare INOS         | EDO. MIRANDA | "      | 555  |
| Pozo de Rosas       | " "          | "      | 1447 |
| Prados del Este     | " "          | "      | 1429 |
| Sabaneta D.F.       | DTO. FEDERAL | "      | 1427 |
| San Diego Miranda   | EDO. MIRANDA | "      | 561  |
| Topo de los Espejos | EDO. MIRANDA | "      | 1445 |

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## CONCLUSIONES

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En general en la mayoría de los métodos empleados para la estimación de datos pluviométricos, el factor personal es predominante, como sucede en los métodos de estimación gráfica, curvas de masas. Otro método utilizado en el cual el factor personal no es predominante es en el método por reducción proporcional, pero es poco preciso; por tal motivo se cree que el método empleado en este trabajo es uno de los más objetivos y precisos, ya que el factor predominante para la estimación de datos por medios estadísticos está determinado por la fisiografía, condiciones climáticas y el régimen de lluvia.

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# FE DE ERRATAS

| <u>Páginas:</u> | <u>Línea:</u> | <u>Donde dice:</u>                                | <u>Debe decir:</u>                                             |
|-----------------|---------------|---------------------------------------------------|----------------------------------------------------------------|
| 12              | 7             | $b_{IP} (X_{Pd} - \bar{X}_P)(X_{Kd} - \bar{X}_K)$ | $b_{IP} \sum_{d=1}^N (X_{Pd} - \bar{X}_P)(X_{Kd} - \bar{X}_K)$ |
| 15              | 2             | (Diagrama)<br>Flecha en Cuadro 1                  | (Diagrama)<br>Flecha en Cuadro 2                               |
| 21              | 6             | HODROLOGIA                                        | HI DROLOGIA.                                                   |

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