

SAS Log:

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NOTE: SAS (r) Proprietary Software Release 8.2 (TS2M0)
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NOTE: This session is executing on the WIN_PRO platform.

NOTE: SAS initialization used:

real time	1.39 seconds
cpu time	0.79 seconds

1 LIBNAME in v604 "c:\DATA\MYSAS";

NOTE: Libref IN was successfully assigned as follows:

Engine: V604
Physical Name: c:\DATA\MYSAS

2
3 DATA TEMP; SET in.TC80;
4
5 /*CREATING THREE CATEGORY INDUSTRY VARIABLE*/
6 TINDUS=.;
7 IF INDUSTRY=171 THEN TINDUS=1;
8 ELSE IF INDUSTRY=172 THEN TINDUS=2;
9 ELSE TINDUS=3;
10
11 /*RECODING NEGATIVE INCOME VALUES TO 0*/
12
13 ARRAY MONEY {11} INCOME1-INCOME8 EARNINGS HHINCOME FAMINCOM;
14 DO I=1 TO 11;
15 IF MONEY {I} < 0 THEN MONEY {I} = 0;
16 END;
17
18 /*RECODING SEX SO THAT 1=MALE*/
19 DSEX=.;
20 IF SEX=0 THEN DSEX=1;
21 ELSE DSEX=0;
22
23 /*RECODING MARITAL STATUS TO 3 CATS*/
24 MARITAL3=.;
25 IF MARITAL=0 THEN MARITAL3=1;
26 ELSE IF MARITAL=1 | MARITAL=2 | MARITAL=3 THEN MARITAL3=2;
27 ELSE IF MARITAL=4 THEN MARITAL3=3;

```
28
29     /*RECODING EDUCATION TO 3 CATS*/
30 EDUC3=.;
31 IF REDUC=0 | REDUC=1 | REDUC=2 THEN EDUC3=1;
32 ELSE IF REDUC=3 THEN EDUC3=2;
33 ELSE IF REDUC=4 | REDUC=5 | REDUC=6 THEN EDUC3=3;
34
35     /*RECODING DIVISION TO 4 CATS*/
36 REGION4=.;
37 IF DIVISION=1 | DIVISION=2 THEN REGION4=1;
38 ELSE IF DIVISION=3 | DIVISION=4 THEN REGION4=2;
39 ELSE IF DIVISION=5 | DIVISION=6 | DIVISION=7 THEN REGION4=3;
40 ELSE IF DIVISION=8 | DIVISION=9 THEN REGION4=4;
41
42     /*RECODING CLASS TO 4 CATS*/
43 CLASS4=.;
44 IF CLASS=1 THEN CLASS4=1;
45 ELSE IF CLASS=2 | CLASS=3 | CLASS=4 THEN CLASS4=2;
46 ELSE IF CLASS=5 | CLASS=6 THEN CLASS4=3;
47 ELSE IF CLASS=7 THEN CLASS4=4;
48
49     /*CREATING DUMMY VARS*/
50 IF MARITAL3=1 THEN M1=1;
51     ELSE M1=0;
52
53 IF MARITAL3=2 THEN M2=1;
54     ELSE M2=0;
55 IF MARITAL3=3 THEN M3=1;
56     ELSE M3=0;
57
58 IF TINDUS=1 THEN T1=1;
59     ELSE T1=0;
60 IF TINDUS=2 THEN T2=1;
61     ELSE T2=0;
62 IF TINDUS=3 THEN T3=1;
63     ELSE T3=0;
64
65 IF EDUC3=1 THEN E1=1;
66     ELSE E1=0;
67 IF EDUC3=2 THEN E2=1;
68     ELSE E2=0;
69 IF EDUC3=3 THEN E3=1;
```

```

69     ELSE E3=0;
70
71     IF REGION4=1 THEN R1=1;
72     ELSE R1=0;
73     IF REGION4=2 THEN R2=1;
74     ELSE R2=0;
75     IF REGION4=3 THEN R3=1;
76     ELSE R3=0;
77     IF REGION4=4 THEN R4=1;
78     ELSE R4=0;
79
80     IF CLASS4=1 THEN C1=1;
81     ELSE C1=0;
82     IF CLASS4=2 THEN C2=1;
83     ELSE C2=0;
84     IF CLASS4=3 THEN C3=1;
85     ELSE C3=0;
86     IF CLASS4=4 THEN C4=1;
87     ELSE C4=0;
88
89     /*CREATING INTERACTION TERMS BETWEEN SEX AND INDEPENDENT VARS*/
90
91     DSEXAGE = DSEX * AGE;
92     DSEXM2 = DSEX * M2;
93     DSEXM3 = DSEX * M3;
94     DSEXR2 = DSEX * R2;
95     DSEXR3 = DSEX * R3;
96     DSEXR4 = DSEX * R4;
97     DSEXE1 = DSEX * E1;
98     DSEXE3 = DSEX * E3;
99     DSEXHRS = DSEX * HRSYR;
100    DSEXC2 = DSEX * C2;
101    DSEXC3 = DSEX * C3;
102    DSEXC4 = DSEX * C4;
103    DSEXT2 = DSEX * T2;
104    DSEXT3 = DSEX * T3;
105    RUN;

```

NOTE: There were 3544 observations read from the data set IN.TC80.

NOTE: The data set WORK.TEMP has 3544 observations and 105 variables.

NOTE: DATA statement used:

```

real time          0.79 seconds
cpu time           0.15 seconds

```

```
106
107 /*DUMMY VARIABLE REGRESSION EXAMPLE*/
108
109 DATA TEMPNM; SET TEMP;
110 IF MARITAL3 NE . AND TINDUS NE . AND EDUC3 NE . AND REGION4 NE .
111 AND CLASS4 NE . THEN OUTPUT TEMPNM;
112 /*THIS DELETES THOSE WITH MISSING VALUES ON ANY DUMMY VAR,
113 CREATING A TEMPORARY DATASET NAMED TEMPNM*/
114
115 RUN;
```

NOTE: There were 3544 observations read from the data set WORK.TEMP.
NOTE: The data set WORK.TEMPNM has 3544 observations and 105 variables.
NOTE: DATA statement used:

real time	0.03 seconds
cpu time	0.01 seconds

```
116
117 PROC CORR DATA=TEMPNM NOMISS NOCORR;
118 VAR AGE DSEX M1-M3 R1-R4 E1-E3 HRSYR C1-C4 T1-T3 EARNINGS;
119
```

NOTE: PROCEDURE CORR used:

real time	0.40 seconds
cpu time	0.04 seconds

```
120 PROC REG DATA=TEMPNM SIMPLE;
121 /*REF=CURR MARR, NORTHEAST, H.S. EDUC, PR W&S WORK, NEWSPAPER*/
122 MODEL EARNINGS=AGE M2 M3 R2-R4 E1 E3 HRSYR C2-C4 T2 T3/STB COVB;
123 MODEL EARNINGS=AGE M2 M3 R2-R4 E1 E3 HRSYR C2-C4 T2 T3 DSEX/STB;
124 MODEL EARNINGS=AGE M2 M3 R2-R4 E1 E3 HRSYR C2-C4 T2 T3 DSEX
125 DSEXAGE--DSEXT3/STB;
126
127 RUN;
```

NOTE: 3544 observations read.
NOTE: 3544 observations used in computations.

```
128
129 /*SEPARATE REGRESSIONS BY DSEX*/
```

NOTE: PROCEDURE REG used:

real time	0.32 seconds
cpu time	0.10 seconds

```
130 PROC SORT DATA=TEMPNM; BY DSEX;
131
```

NOTE: There were 3544 observations read from the data set WORK.TEMPNM.

NOTE: The data set WORK.TEMPNM has 3544 observations and 105 variables.

NOTE: PROCEDURE SORT used:

real time	0.07 seconds
cpu time	0.03 seconds

```
132 PROC CORR DATA=TEMPNM NOMISS NOCORR;
133   VAR AGE M1-M3 R1-R4 E1-E3 HRSYR C1-C4 T1-T3 EARNINGS;
134   BY DSEX;
135
136   /*REF=CURR MARR,NORTHEAST, H.S. EDUC, PR W&S WORK, NEWSPAPER*/
```

NOTE: PROCEDURE CORR used:

real time	0.09 seconds
cpu time	0.01 seconds

```
137 PROC REG DATA=TEMPNM SIMPLE;
138   MODEL EARNINGS=AGE M2 M3 R2-R4 E1 E3 HRSYR C2-C4 T2 T3/STB;
139   BY DSEX;
140
141 RUN;
```

NOTE: 1935 observations read.

NOTE: 1935 observations used in computations.

NOTE: The above message was for the following by-group:

DSEX=0

NOTE: 1609 observations read.

NOTE: 1609 observations used in computations.

NOTE: The above message was for the following by-group:

DSEX=1

NOTE: Interactivity disabled with BY processing.

NOTE: PROCEDURE REG used:

real time	0.04 seconds
cpu time	0.03 seconds

SAS Listing:

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The CORR Procedure

21 Variables: AGE DSEX M1 M2 M3 R1 R2 R3 R4 E1 E2 E3 HRSYR C1 C2 C3 C4 T1 T2
T3 EARNINGS

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
AGE	3544	36.96981	13.72894	131021	16.00000	86.00000
DSEX	3544	0.45401	0.49795	1609	0	1.00000
M1	3544	0.62049	0.48533	2199	0	1.00000
M2	3544	0.13347	0.34012	473.00000	0	1.00000
M3	3544	0.24605	0.43077	872.00000	0	1.00000
R1	3544	0.28245	0.45025	1001	0	1.00000
R2	3544	0.29402	0.45566	1042	0	1.00000
R3	3544	0.23871	0.42636	846.00000	0	1.00000
R4	3544	0.18482	0.38821	655.00000	0	1.00000
E1	3544	0.12105	0.32623	429.00000	0	1.00000
E2	3544	0.56970	0.49519	2019	0	1.00000
E3	3544	0.30926	0.46225	1096	0	1.00000
HRSYR	3544	1755	616.45477	6220801	4.00000	5148
C1	3544	0.91225	0.28298	3233	0	1.00000
C2	3544	0.03725	0.18939	132.00000	0	1.00000
C3	3544	0.04599	0.20950	163.00000	0	1.00000
C4	3544	0.00451	0.06705	16.00000	0	1.00000
T1	3544	0.30474	0.46036	1080	0	1.00000
T2	3544	0.55079	0.49748	1952	0	1.00000
T3	3544	0.14447	0.35161	512.00000	0	1.00000
EARNINGS	3544	11544	7713	40912200	0	70005

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The REG Procedure

Descriptive Statistics

Variable	Sum	Mean	Uncorrected SS	Variance	Standard Deviation
Intercept	3544.00000	1.00000	3544.00000	0	0
AGE	131021	36.96981	5511619	188.48371	13.72894
M2	473.00000	0.13347	473.00000	0.11568	0.34012
M3	872.00000	0.24605	872.00000	0.18556	0.43077
R2	1042.00000	0.29402	1042.00000	0.20763	0.45566

R3	846.00000	0.23871	846.00000	0.18178	0.42636
R4	655.00000	0.18482	655.00000	0.15070	0.38821
E1	429.00000	0.12105	429.00000	0.10643	0.32623
E3	1096.00000	0.30926	1096.00000	0.21368	0.46225
HRSYR	6220801	1755.30502	12265801625	380016	616.45477
C2	132.00000	0.03725	132.00000	0.03587	0.18939
C3	163.00000	0.04599	163.00000	0.04389	0.20950
C4	16.00000	0.00451	16.00000	0.00450	0.06705
T2	1952.00000	0.55079	1952.00000	0.24749	0.49748
T3	512.00000	0.14447	512.00000	0.12363	0.35161
EARNINGS	40912200	11544	6.830839E11	59494908	7713.29422
DSEX	1609.00000	0.45401	1609.00000	0.24795	0.49795
DSEXAGE	67919	19.16450	3182451	530.85439	23.04028
DSEXM2	149.00000	0.04204	149.00000	0.04029	0.20072
DSEXM3	328.00000	0.09255	328.00000	0.08401	0.28984
DSEXR2	458.00000	0.12923	458.00000	0.11256	0.33550
DSEXR3	308.00000	0.08691	308.00000	0.07938	0.28174
DSEXR4	277.00000	0.07816	277.00000	0.07207	0.26846
DSEXE1	263.00000	0.07421	263.00000	0.06872	0.26215
DSEXE3	450.00000	0.12698	450.00000	0.11088	0.33299
DSEXHRS	3026907	854.09340	6210985669	1023349	1011.60698
DSEXC2	56.00000	0.01580	56.00000	0.01556	0.12472
DSEXC3	88.00000	0.02483	88.00000	0.02422	0.15563
DSEXC4	4.00000	0.00113	4.00000	0.00113	0.03358
DSEXT2	1017.00000	0.28696	1017.00000	0.20467	0.45241
DSEXT3	165.00000	0.04656	165.00000	0.04440	0.21072

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The REG Procedure
Model: MODEL1
Dependent Variable: EARNINGS

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	14	79691202753	5692228768	153.23	<.0001
Error	3529	1.310993E11	37149123		
Corrected Total	3543	2.107905E11			

Root MSE	6095.00805	R-Square	0.3781
Dependent Mean	11544	Adj R-Sq	0.3756
Coeff Var	52.79772		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Standardized Estimate
----------	----	--------------------	----------------	---------	---------	-----------------------

Intercept	1	-2915.81629	527.11858	-5.53	<.0001	0
AGE	1	121.54115	8.65350	14.05	<.0001	0.21633
M2	1	-1534.02596	310.74879	-4.94	<.0001	-0.06764
M3	1	-1584.63762	276.99604	-5.72	<.0001	-0.08850
R2	1	-738.18198	270.67303	-2.73	0.0064	-0.04361
R3	1	-2289.79339	290.54519	-7.88	<.0001	-0.12657
R4	1	-1073.93135	311.23173	-3.45	0.0006	-0.05405
E1	1	184.97664	330.02376	0.56	0.5752	0.00782
E3	1	-33.02743	235.52362	-0.14	0.8885	-0.00198
HRSYR	1	6.04340	0.17084	35.38	<.0001	0.48300
C2	1	3210.14697	567.19364	5.66	<.0001	0.07882
C3	1	-642.71391	499.71289	-1.29	0.1985	-0.01746
C4	1	-13824	1536.76716	-9.00	<.0001	-0.12017
T2	1	1601.07585	235.85665	6.79	<.0001	0.10326
T3	1	-43.87076	340.76508	-0.13	0.8976	-0.00200

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The REG Procedure
Model: MODEL1
Dependent Variable: EARNINGS

Covariance of Estimates

Variable	Intercept	AGE	M2	M3	R2	R3	R4	E1
Intercept	277854.00246	-2978.274025	-13961.98551	-64126.43881	-43759.91376	-48074.99197	-42971.99529	-10230.64495
AGE	-2978.274025	74.883065519	71.613943832	1052.4242951	87.635029691	300.42681789	109.75466385	-410.9009215
M2	-13961.98551	71.613943832	96564.808221	17921.369879	-1769.094492	-4824.148331	-7218.67511	-2232.899341
M3	-64126.43881	1052.4242951	17921.369879	76726.806776	2213.3918114	6859.8307281	2470.8139781	-6442.5678
R2	-43759.91376	87.635029691	-1769.094492	2213.3918114	73263.886697	37887.024349	37467.129864	3102.644085
R3	-48074.99197	300.42681789	-4824.148331	6859.8307281	37887.024349	84416.507062	38655.59497	-5212.846073
R4	-42971.99529	109.75466385	-7218.67511	2470.8139781	37467.129864	38655.59497	96865.187325	-1589.863456
E1	-10230.64495	-410.9009215	-2232.899341	-6442.5678	3102.644085	-5212.846073	-1589.863456	108915.68177
E3	-22758.18145	116.63245396	-334.5929288	-5850.649921	705.56435192	-1445.399838	-9411.070957	18738.215871
HRSYR	-45.20366659	-0.114638327	-1.372315701	3.0616504575	0.6795745742	-1.955215174	1.4452542419	5.4198779197
C2	13197.287105	-223.452706	-3951.589662	-5534.179816	-3430.637142	-20189.99053	-5352.354536	3130.4444567
C3	21885.169534	-369.1673841	2471.7681792	886.56268971	4505.0449379	2714.9103465	-4434.106881	-1469.929392
C4	33591.105572	-805.0320816	11402.915324	6318.040626	745.54381151	-2674.937561	-15325.20841	-16277.8584
T2	-30069.96881	66.302538764	186.75609707	-2410.247924	1286.8904951	3583.0614434	3335.084923	-725.4179243
T3	-33254.08556	213.89274982	-2183.861233	-813.1818865	855.85618779	4602.0024839	2251.4113758	-953.9914736

Covariance of Estimates

Variable	E3	HRSYR	C2	C3	C4	T2	T3
Intercept	-22758.18145	-45.20366659	13197.287105	21885.169534	33591.105572	-30069.96881	-33254.08556
AGE	116.63245396	-0.114638327	-223.452706	-369.1673841	-805.0320816	66.302538764	213.89274982
M2	-334.5929288	-1.372315701	-3951.589662	2471.7681792	11402.915324	186.75609707	-2183.861233
M3	-5850.649921	3.0616504575	-5534.179816	886.56268971	6318.040626	-2410.247924	-813.1818865
R2	705.56435192	0.6795745742	-3430.637142	4505.0449379	745.54381151	1286.8904951	855.85618779

R3	-1445.399838	-1.955215174	-20189.99053	2714.9103465	-2674.937561	3583.0614434	4602.0024839
R4	-9411.070957	1.4452542419	-5352.354536	-4434.106881	-15325.20841	3335.084923	2251.4113758
E1	18738.215871	5.4198779197	3130.4444567	-1469.929392	-16277.8584	-725.4179243	-953.9914736
E3	55471.373946	2.1323955288	-4133.542495	-9552.682951	-5977.641894	-530.8503438	-3086.6532
HRSYR	2.1323955288	0.0291853511	0.2830433053	-5.451977472	0.5048665966	-4.813565569	-5.427068006
C2	-4133.542495	0.2830433053	321708.63018	12444.99239	10526.093561	-2843.098804	-47508.10436
C3	-9552.682951	-5.451977472	12444.99239	249712.96784	25034.163364	-14640.5875	-8541.770334
C4	-5977.641894	0.5048665966	10526.093561	25034.163364	2361653.3113	-20859.40519	-9950.025426
T2	-530.8503438	-4.813565569	-2843.098804	-14640.5875	-20859.40519	55628.361252	36491.79391
T3	-3086.6532	-5.427068006	-47508.10436	-8541.770334	-9950.025426	36491.79391	116120.83769

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The REG Procedure
 Model: MODEL2
 Dependent Variable: EARNINGS

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	15	1.017136E11	6780906786	219.32	<.0001
Error	3528	1.090769E11	30917476		
Corrected Total	3543	2.107905E11			

Root MSE	5560.34858	R-Square	0.4825
Dependent Mean	11544	Adj R-Sq	0.4803
Coeff Var	48.16626		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Standardized Estimate
Intercept	1	-1688.06409	483.07463	-3.49	0.0005	0
AGE	1	51.16303	8.32318	6.15	<.0001	0.09107
M2	1	-527.03505	285.98947	-1.84	0.0654	-0.02324
M3	1	-1901.99927	252.97733	-7.52	<.0001	-0.10622
R2	1	-201.41401	247.74704	-0.81	0.4163	-0.01190
R3	1	-1412.27105	267.08984	-5.29	<.0001	-0.07806
R4	1	-570.98694	284.55489	-2.01	0.0449	-0.02874
E1	1	-591.53340	302.47634	-1.96	0.0506	-0.02502
E3	1	-154.99573	214.91187	-0.72	0.4708	-0.00929
HRSYR	1	5.30693	0.15828	33.53	<.0001	0.42414
C2	1	2812.82224	517.65304	5.43	<.0001	0.06907
C3	1	-302.79727	456.05551	-0.66	0.5068	-0.00822
C4	1	-11152	1405.52998	-7.93	<.0001	-0.09694
T2	1	989.50629	216.38384	4.57	<.0001	0.06382

T3	1	317.18099	311.16708	1.02	0.3081	0.01446
DSEX	1	5625.01851	210.76265	26.69	<.0001	0.36314

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The REG Procedure
 Model: MODEL3
 Dependent Variable: EARNINGS

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	29	1.056119E11	3641789713	121.67	<.0001
Error	3514	1.051786E11	29931291		
Corrected Total	3543	2.107905E11			

Root MSE	5470.94973	R-Square	0.5010
Dependent Mean	11544	Adj R-Sq	0.4969
Coeff Var	47.39184		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Standardized Estimate
Intercept	1	-2510.74625	616.33765	-4.07	<.0001	0
AGE	1	61.05053	11.97002	5.10	<.0001	0.10866
M2	1	345.49923	352.56963	0.98	0.3272	0.01524
M3	1	-108.29407	322.87887	-0.34	0.7373	-0.00605
R2	1	-215.10511	348.51537	-0.62	0.5371	-0.01271
R3	1	-726.23333	360.80011	-2.01	0.0442	-0.04014
R4	1	405.84588	390.31492	1.04	0.2985	0.02043
E1	1	-218.75497	463.52855	-0.47	0.6370	-0.00925
E3	1	34.64746	277.61998	0.12	0.9007	0.00208
HRSYR	1	4.84827	0.20308	23.87	<.0001	0.38748
C2	1	1316.08319	675.18100	1.95	0.0513	0.03231
C3	1	-4.07043	660.46035	-0.01	0.9951	-0.00011056
C4	1	-10719	1603.17146	-6.69	<.0001	-0.09317
T2	1	1131.21669	286.07676	3.95	<.0001	0.07296
T3	1	931.86834	380.53878	2.45	0.0144	0.04248
DSEX	1	7913.51409	1046.45756	7.56	<.0001	0.51088
DSEXAGE	1	-28.72709	16.65188	-1.73	0.0846	-0.08581
DSEXM2	1	-2048.59166	595.98431	-3.44	0.0006	-0.05331
DSEXM3	1	-4264.61107	517.03502	-8.25	<.0001	-0.16025
DSEXR2	1	263.18475	490.02163	0.54	0.5912	0.01145
DSEXR3	1	-1216.34561	536.11361	-2.27	0.0233	-0.04443
DSEXR4	1	-2083.86503	564.86605	-3.69	0.0002	-0.07253
DSEXEL	1	-833.46417	607.04436	-1.37	0.1698	-0.02833

DSEXE3	1	-335.35647	429.66841	-0.78	0.4351	-0.01448
DSEXHRS	1	0.80480	0.32287	2.49	0.0127	0.10555

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The REG Procedure
 Model: MODEL3
 Dependent Variable: EARNINGS

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Standardized Estimate
DSEXC2	1	2929.40245	1036.14218	2.83	0.0047	0.04737
DSEXC3	1	-513.66463	903.65165	-0.57	0.5698	-0.01036
DSEXC4	1	1025.85167	3203.26064	0.32	0.7488	0.00447
DSEXT2	1	-645.44116	430.66881	-1.50	0.1340	-0.03786
DSEXT3	1	-1544.51230	645.38379	-2.39	0.0168	-0.04219

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----- DSEX=0 -----

The CORR Procedure

20 Variables: AGE M1 M2 M3 R1 R2 R3 R4 E1 E2 E3 HRSYR C1 C2 C3 C4 T1 T2 T3
 EARNINGS

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
AGE	1935	32.61085	11.84522	63102	16.00000	86.00000
M1	1935	0.55142	0.49748	1067	0	1.00000
M2	1935	0.16744	0.37347	324.00000	0	1.00000
M3	1935	0.28114	0.44967	544.00000	0	1.00000
R1	1935	0.22481	0.41756	435.00000	0	1.00000
R2	1935	0.30181	0.45916	584.00000	0	1.00000
R3	1935	0.27804	0.44815	538.00000	0	1.00000
R4	1935	0.19535	0.39657	378.00000	0	1.00000
E1	1935	0.08579	0.28012	166.00000	0	1.00000
E2	1935	0.58036	0.49363	1123	0	1.00000
E3	1935	0.33385	0.47171	646.00000	0	1.00000
HRSYR	1935	1651	636.28746	3193894	13.00000	5148
C1	1935	0.91576	0.27782	1772	0	1.00000
C2	1935	0.03928	0.19430	76.00000	0	1.00000
C3	1935	0.03876	0.19307	75.00000	0	1.00000
C4	1935	0.00620	0.07853	12.00000	0	1.00000

T1	1935	0.33747	0.47297	653.00000	0	1.00000
T2	1935	0.48320	0.49985	935.00000	0	1.00000
T3	1935	0.17933	0.38373	347.00000	0	1.00000
EARNINGS	1935	8014	5083	15507300	0	52465

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----- DSEX=1 -----

The CORR Procedure

20 Variables: AGE M1 M2 M3 R1 R2 R3 R4 E1 E2 E3 HRSYR C1 C2 C3 C4 T1 T2 T3
EARNINGS

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
AGE	1609	42.21193	14.00646	67919	16.00000	84.00000
M1	1609	0.70354	0.45684	1132	0	1.00000
M2	1609	0.09260	0.28997	149.00000	0	1.00000
M3	1609	0.20385	0.40299	328.00000	0	1.00000
R1	1609	0.35177	0.47767	566.00000	0	1.00000
R2	1609	0.28465	0.45139	458.00000	0	1.00000
R3	1609	0.19142	0.39354	308.00000	0	1.00000
R4	1609	0.17216	0.37763	277.00000	0	1.00000
E1	1609	0.16346	0.36990	263.00000	0	1.00000
E2	1609	0.55687	0.49691	896.00000	0	1.00000
E3	1609	0.27968	0.44898	450.00000	0	1.00000
HRSYR	1609	1881	566.83994	3026907	4.00000	5148
C1	1609	0.90802	0.28909	1461	0	1.00000
C2	1609	0.03480	0.18334	56.00000	0	1.00000
C3	1609	0.05469	0.22745	88.00000	0	1.00000
C4	1609	0.00249	0.04981	4.00000	0	1.00000
T1	1609	0.26538	0.44167	427.00000	0	1.00000
T2	1609	0.63207	0.48239	1017	0	1.00000
T3	1609	0.10255	0.30346	165.00000	0	1.00000
EARNINGS	1609	15789	8184	25404900	0	70005

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----- DSEX=0 -----

The REG Procedure

Descriptive Statistics

Variable	Sum	Mean	Uncorrected SS	Variance	Standard Deviation
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Intercept	1935.00000	1.00000	1935.00000	0	0
AGE	63102	32.61085	2329168	140.30919	11.84522
M2	324.00000	0.16744	324.00000	0.13948	0.37347
M3	544.00000	0.28114	544.00000	0.20220	0.44967
R2	584.00000	0.30181	584.00000	0.21083	0.45916
R3	538.00000	0.27804	538.00000	0.20084	0.44815
R4	378.00000	0.19535	378.00000	0.15727	0.39657
E1	166.00000	0.08579	166.00000	0.07847	0.28012
E3	646.00000	0.33385	646.00000	0.22251	0.47171
HRSYR	3193894	1650.59121	6054815956	404862	636.28746
C2	76.00000	0.03928	76.00000	0.03775	0.19430
C3	75.00000	0.03876	75.00000	0.03728	0.19307
C4	12.00000	0.00620	12.00000	0.00617	0.07853
T2	935.00000	0.48320	935.00000	0.24985	0.49985
T3	347.00000	0.17933	347.00000	0.14725	0.38373
EARNINGS	15507300	8014.10853	1.74252E11	25840107	5083.31651

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DSEX=0

The REG Procedure
 Model: MODEL1
 Dependent Variable: EARNINGS

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	14	22711040177	1622217156	114.24	<.0001
Error	1920	27263726310	14199857		
Corrected Total	1934	49974766487			

Root MSE	3768.26982	R-Square	0.4545
Dependent Mean	8014.10853	Adj R-Sq	0.4505
Coeff Var	47.02045		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Standardized Estimate
Intercept	1	-2510.74625	424.51982	-5.91	<.0001	0
AGE	1	61.05053	8.24469	7.40	<.0001	0.14226
M2	1	345.49923	242.84220	1.42	0.1550	0.02538
M3	1	-108.29407	222.39186	-0.49	0.6263	-0.00958
R2	1	-215.10511	240.04972	-0.90	0.3703	-0.01943

R3	1	-726.23333	248.51118	-2.92	0.0035	-0.06403
R4	1	405.84588	268.84033	1.51	0.1313	0.03166
E1	1	-218.75497	319.26827	-0.69	0.4933	-0.01205
E3	1	34.64746	191.21853	0.18	0.8562	0.00322
HRSYR	1	4.84827	0.13988	34.66	<.0001	0.60687
C2	1	1316.08319	465.04982	2.83	0.0047	0.05031
C3	1	-4.07043	454.91056	-0.01	0.9929	-0.00015460
C4	1	-10719	1104.22923	-9.71	<.0001	-0.16558
T2	1	1131.21669	197.04338	5.74	<.0001	0.11123
T3	1	931.86834	262.10674	3.56	0.0004	0.07034

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----- DSEX=1 -----

The REG Procedure
Model: MODEL1
Dependent Variable: EARNINGS

Descriptive Statistics

Variable	Sum	Mean	Uncorrected SS	Variance	Standard Deviation
Intercept	1609.00000	1.00000	1609.00000	0	0
AGE	67919	42.21193	3182451	196.18080	14.00646
M2	149.00000	0.09260	149.00000	0.08408	0.28997
M3	328.00000	0.20385	328.00000	0.16240	0.40299
R2	458.00000	0.28465	458.00000	0.20375	0.45139
R3	308.00000	0.19142	308.00000	0.15488	0.39354
R4	277.00000	0.17216	277.00000	0.14261	0.37763
E1	263.00000	0.16346	263.00000	0.13682	0.36990
E3	450.00000	0.27968	450.00000	0.20158	0.44898
HRSYR	3026907	1881.23493	6210985669	321308	566.83994
C2	56.00000	0.03480	56.00000	0.03361	0.18334
C3	88.00000	0.05469	88.00000	0.05173	0.22745
C4	4.00000	0.00249	4.00000	0.00248	0.04981
T2	1017.00000	0.63207	1017.00000	0.23270	0.48239
T3	165.00000	0.10255	165.00000	0.09209	0.30346
EARNINGS	25404900	15789	5.08832E11	66982416	8184.27859

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----- DSEX=1 -----

The REG Procedure
Model: MODEL1
Dependent Variable: EARNINGS

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	14	29792894761	2128063912	43.54	<.0001
Error	1594	77914830179	48880069		
Corrected Total	1608	1.077077E11			
	Root MSE	6991.42826	R-Square	0.2766	
	Dependent Mean	15789	Adj R-Sq	0.2703	
	Coeff Var	44.27968			

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Standardized Estimate
Intercept	1	5402.76784	1080.73032	5.00	<.0001	0
AGE	1	32.32344	14.79318	2.19	0.0290	0.05532
M2	1	-1703.09243	614.05544	-2.77	0.0056	-0.06034
M3	1	-4372.90514	516.05518	-8.47	<.0001	-0.21532
R2	1	48.07964	440.20211	0.11	0.9130	0.00265
R3	1	-1942.57895	506.74118	-3.83	0.0001	-0.09341
R4	1	-1678.01915	521.80393	-3.22	0.0013	-0.07743
E1	1	-1052.21915	500.91171	-2.10	0.0358	-0.04756
E3	1	-300.70901	419.07564	-0.72	0.4731	-0.01650
HRSYR	1	5.65308	0.32076	17.62	<.0001	0.39153
C2	1	4245.48564	1004.38321	4.23	<.0001	0.09511
C3	1	-517.73507	788.15406	-0.66	0.5113	-0.01439
C4	1	-9692.95510	3543.94261	-2.74	0.0063	-0.05900
T2	1	485.77553	411.39395	1.18	0.2379	0.02863
T3	1	-612.64396	666.12598	-0.92	0.3579	-0.02272