

SPSS FOR INFONET CSTS, RELEASE 7.2.1, JUNE 21, 1979

DEFAULT SPACE ALLOCATION.. WORKSPACE 3584 WORDS TRANSSPACE 512 WORDS
 ALLOWS FOR.. 23 TRANSFORMATIONS 46 RECODE VALUES + LAG VARIABLES 46 IF/COMPUTE OPERATIONS

RUN NAME CYPRUS ANVIL MINING CORPORATION
 FILE NAME GCHSS1 NORMALIZED WITH L.O.I.
 VARIABLE LIST SPEC SIQ2 TIQ2 AL203 FE203 FEO MNO MGO CAO NA20 K20 P205 S LOI
 INPUT MEDIUM DISK
 N OF CASES UNKNOWN
 INPUT FORMAT FIXED (A1,19X,7F8.2/12X,8F8.2/12X,8F8.2/12X,5F8.2,22X,F2.0,F1.0,F3.0)

ACCORDING TO YOUR INPUT FORMAT, VARIABLES ARE TO BE READ AS FOLLOWS

VARIABLE	FORMAT	RECORD	COLUMNS
SPEC	A	1	1-
SIQ2	F 8.	1	21- 28
TIQ2	F 8.	1	29- 36
AL203	F 8.	1	37- 44
FE203	F 8.	1	45- 52
FEO	F 8.	1	53- 60
MNO	F 8.	1	61- 68
MGO	F 8.	1	69- 76
CAO	F 8.	2	13- 20
NA20	F 8.	2	21- 28
K20	F 8.	2	29- 36
P205	F 8.	2	37- 44
S	F 8.	2	45- 52
LOI	F 8.	2	53- 60
BA	F 8.	3	61- 68
CU	F 8.	3	69- 76
PB	F 8.	3	13- 20
ZN	F 8.	3	21- 28
CD	F 8.	3	29- 36
AG	F 8.	3	37- 44
CR	F 8.	3	45- 52
V	F 8.	3	53- 60
CO	F 8.	3	61- 68
NI	F 8.	3	69- 76
MO	F 8.	4	13- 20
RB	F 8.	4	21- 28
SR	F 8.	4	29- 36

January 9, 1980

CONDSCRIPTIVE

FILE 1 Normalized with LOI

ACCORDING TO YOUR INPUT FORMAT, VARIABLES ARE TO BE READ AS FOLLOWS

VARIABLE FORMAT RECORD COLUMNS

ZR	F 8. 2	4	37- 44
Y	F 8. 2	4	45- 52
ROCKCODE	F 2. 0	4	75- 76
GROUP	F 1. 0	4	77- 77
SEQ	F 3. 0	4	78- 80

THE INPUT FORMAT PROVIDES FOR 32 VARIABLES. 32 WILL BE READ
IT PROVIDES FOR 4 RECORDS ('CARDS') PER CASE. A MAXIMUM OF 80 'COLUMNS' ARE USED ON A RECORD.

RECODE SPEC (' '=0)
MISSING VALUES SIQ2 TO Y (-.01)
VAR LABELS SPEC SPECIMEN ID
 GROUP DATA GROUP /
 SEQ SAMPLE SEQUENCE
VALUE LABELS SPEC ('F')FARO SAMPLE ('C')CONTROL SAMPLE ('O')FIELD SAMPLE/
 GROUP (1)1977 HAND SAMPLE (2)1979 WHOLE ROCK (3)SECTION 118/
ROCKCODE (1)1F (2)3C (3)3G (4)5C (5)5F (6)MCV (7)5CU (8)5CG
(9)STDMRG-1 (10)UNK (11)KSMB (12)KSE (13)5D (14)1C (15)3E
(16)3G-D (17)STD SY-2 (18)3D (19)3DW (20)3DV (21)5BD (22)5B
(23)5B3 (24)5A (25)ARGBS (26)FLSZB (27)ARGBK (28)SFV (29)ARGBD
(30)FLSZG (31)0E8 (32)1CD (33)0E7 (34)1C6 (35)1D4 (36)0E6
(37)0D8 (38)1C5 (39)0E (40)1D (41)STD SY-3 (42)2A (43)1D+1F
PRINT FORMATS SPEC (A) / SIQ2 TO Y (2)
IF (FE0 NE -.01) FE203=FE203+(FE0*1.11134)
READ INPUT DATA

AFTER READING 374 CASES FROM SUBFILE GCHSS1 , END OF FILE WAS ENCOUNTERED ON LOGICAL UNIT # 8

TRANSPACE REQUIRED.. 50 WORDS
2 TRANSFORMATIONS
2 RECODE VALUES + LAG VARIABLES
7 IF/COMPUTE OPERATIONS

FREQUENCIES GENERAL= SPEC GROUP ROCKCODE

GIVEN WORKSPACE ALLOWS FOR 1195 TOTAL VALUES AND 99 LABELED VALUES PER VARIABLE FOR 'FREQUENCIES'

FILE GCHSS1 (CREATION DATE = 01/09/80) NORMALIZED WITH L.O.I.

GROUP DATA GROUP

CATEGORY LABEL	CODE	ABSOLUTE FREQ	RELATIVE FREQ (PCT)	ADJUSTED FREQ (PCT)	CUM FREQ (PCT)
1977 HAND SAMPLE	1.	55	14.7	14.7	14.7
1979 WHOLE ROCK	2.	112	29.9	29.9	44.7
SECTION 118	3.	207	55.3	55.3	100.0
	TOTAL	374	100.0	100.0	

VALID CASES 374 MISSING CASES 0

FILE GCHSS1 (CREATION DATE = 01/09/80) NORMALIZED WITH L.O.I.

ROCKCODE

CATEGORY LABEL	CODE	ABSOLUTE FREQ	RELATIVE FREQ (PCT)	ADJUSTED FREQ (PCT)	CUM FREQ (PCT)
1F	1.	8	2.1	2.1	2.1
3C	2.	7	1.9	1.9	4.0
3G	3.	21	5.6	5.6	9.6
5C	4.	26	7.0	7.0	16.6
5F	5.	2	.5	.5	17.1
MCV	6.	29	7.8	7.8	24.9
5CU	7.	1	.3	.3	25.1
5CG	8.	1	.3	.3	25.4
STDMRG-1	9.	10	2.7	2.7	28.1
UNK	10.	1	.3	.3	28.3
KSMB	11.	6	1.6	1.6	29.9
KSE	12.	2	.5	.5	30.5
5D	13.	4	1.1	1.1	31.6
1C	14.	12	3.2	3.2	34.8
3E	15.	1	.3	.3	35.0
3G-D	16.	1	.3	.3	35.3
STD SY-2	17.	6	1.6	1.6	36.9
3D	18.	11	2.9	2.9	39.8
3DW	19.	3	.8	.8	40.6
3DV	20.	1	.3	.3	40.9
5BD	21.	1	.3	.3	41.2
5B	22.	10	2.7	2.7	43.9

FILE GCHSS1 (CREATION DATE = 01/09/80) NORMALIZED WITH L.O.I.

5B3	23.	1	.3	.3	44.1
5A	24.	1	.3	.3	44.4
ARGBS	25.	5	1.3	1.3	45.7
FLS7B	26.	3	.8	.8	46.5
ARGBK	27.	5	1.3	1.3	47.9
SEV	28.	2	.5	.5	48.4
ARGBD	29.	2	.5	.5	48.9
FLS7G	30.	3	.8	.8	49.7
0E8	31.	11	2.9	2.9	52.7
1CD	32.	47	12.6	12.6	65.2
0E7	33.	2	.5	.5	65.8
1C6	34.	18	4.8	4.8	70.6
1D4	35.	30	8.0	8.0	78.6
0E6	36.	1	.3	.3	78.9
0D8	37.	1	.3	.3	79.1
1C5	38.	2	.5	.5	79.7
0E	39.	6	1.6	1.6	81.3
1D	40.	65	17.4	17.4	98.7
STD SY-3	41.	3	.8	.8	99.5
2A	42.	1	.3	.3	99.7
1D+1F	43.	1	.3	.3	100.0
TOTAL		374	100.0	100.0	

VALID CASES	374	MISSING CASES	0
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CONDESCRIPTIVE SIO2 TO Y

***** GIVEN WORKSPACE ALLOWS FOR 275 VARIABLES FOR CONDESCRIPTIVE PROBLEM *****

STATISTICS ALL

FILE GCHSS1 (CREATION DATE = 01/09/80) NORMALIZED WITH L.O.I.

VARIABLE SI02

MEAN	53.645	STD ERROR	.368	STD DEV	7.122
VARIANCE	50.718	KURTOSIS	1.599	SKEWNESS	-.069
RANGE	63.220	MINIMUM	22.500	MAXIMUM	85.720
SUM	20063.080				

VALID OBSERVATIONS - 374 MISSING OBSERVATIONS - 0

VARIABLE TIO2

MEAN	.965	STD ERROR	.046	STD DEV	.892
VARIANCE	.795	KURTOSIS	4.149	SKEWNESS	2.097
RANGE	4.690	MINIMUM	0.	MAXIMUM	4.690
SUM	360.750				

VALID OBSERVATIONS - 374 MISSING OBSERVATIONS - 0

VARIABLE AL203

MEAN	17.253	STD ERROR	.201	STD DEV	3.884
VARIANCE	15.083	KURTOSIS	.625	SKEWNESS	-.587
RANGE	27.380	MINIMUM	.800	MAXIMUM	28.180
SUM	6452.590				

VALID OBSERVATIONS - 374 MISSING OBSERVATIONS - 0

VARIABLE FE203

MEAN	9.675	STD ERROR	.157	STD DEV	3.028
VARIANCE	9.168	KURTOSIS	1.227	SKEWNESS	.763
RANGE	20.997	MINIMUM	.850	MAXIMUM	21.847
SUM	3618.362				

VALID OBSERVATIONS - 374 MISSING OBSERVATIONS - 0

VARIABLE FEO

MEAN	7.443	STD ERROR	.304	STD DEV	2.416
VARIANCE	5.839	KURTOSIS	2.376	SKEWNESS	.090
RANGE	14.910	MINIMUM	1.410	MAXIMUM	16.320
SUM	468.940				

VALID OBSERVATIONS - 63 MISSING OBSERVATIONS - 311

VARIABLE MNO

MEAN	.113	STD ERROR	.003	STD DEV	.065
VARIANCE	.004	KURTOSIS	6.709	SKEWNESS	1.934
RANGE	.520	MINIMUM	.010	MAXIMUM	.530
SUM	42.170				

VALID OBSERVATIONS -	374	MISSING OBSERVATIONS -	0
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VARIABLE MGO

MEAN	4.030	STD ERROR	.190	STD DEV	3.671
VARIANCE	13.476	KURTOSIS	11.608	SKEWNESS	2.750
RANGE	30.740	MINIMUM	.300	MAXIMUM	31.040
SUM	1507.340				

VALID OBSERVATIONS -	374	MISSING OBSERVATIONS -	0
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VARIABLE CAO

MEAN	4.422	STD ERROR	.256	STD DEV	4.947
VARIANCE	24.476	KURTOSIS	3.640	SKEWNESS	1.492
RANGE	35.230	MINIMUM	.120	MAXIMUM	35.350
SUM	1653.940				

VALID OBSERVATIONS -	374	MISSING OBSERVATIONS -	0
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VARIABLE NA2O

MEAN	1.518	STD ERROR	.068	STD DEV	1.311
VARIANCE	1.720	KURTOSIS	.054	SKEWNESS	1.088
RANGE	5.400	MINIMUM	.100	MAXIMUM	5.500
SUM	567.870				

VALID OBSERVATIONS -	374	MISSING OBSERVATIONS -	0
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FILE GCHSS1 (CREATION DATE = 01/09/80) NORMALIZED WITH L.O.I.

VARIABLE K20

MEAN	2.839	STD ERROR	.085	STD DEV	1.649
VARIANCE	2.720	KURTOSIS	-1.130	SKEWNESS	-.492
RANGE	6.430	MINIMUM	0.	MAXIMUM	6.430
SUM	1061.860				

VALID OBSERVATIONS - 374 MISSING OBSERVATIONS - 0

VARIABLE P205

MEAN	.200	STD ERROR	.007	STD DEV	.130
VARIANCE	.017	KURTOSIS	3.623	SKEWNESS	1.888
RANGE	.770	MINIMUM	.040	MAXIMUM	.810
SUM	74.910				

VALID OBSERVATIONS - 374 MISSING OBSERVATIONS - 0

VARIABLE S

MEAN	.485	STD ERROR	.057	STD DEV	.916
VARIANCE	.839	KURTOSIS	27.303	SKEWNESS	4.705
RANGE	7.430	MINIMUM	.010	MAXIMUM	7.440
SUM	127.170				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE LOI

MEAN	5.100	STD ERROR	.162	STD DEV	3.132
VARIANCE	9.812	KURTOSIS	8.816	SKEWNESS	1.830
RANGE	28.280	MINIMUM	0.	MAXIMUM	28.280
SUM	1907.430				

VALID OBSERVATIONS - 374 MISSING OBSERVATIONS - 0

FILE GCHSS1 (CREATION DATE = 01/09/80) NORMALIZED WITH L.O.I.

VARIABLE BA

MEAN	1408.042	STD ERROR	350.775	STD DEV	5677.788
VARIANCE	*****	KURTOSIS	242.352	SKEWNESS	15.332
RANGE	91130.000	MINIMUM	70.000	MAXIMUM	91200.000
SUM	368907.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE CU

MEAN	110.176	STD ERROR	15.718	STD DEV	254.417
VARIANCE	64727.792	KURTOSIS	79.958	SKEWNESS	7.891
RANGE	3096.000	MINIMUM	4.000	MAXIMUM	3100.000
SUM	28866.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE PB

MEAN	116.298	STD ERROR	52.068	STD DEV	842.801
VARIANCE	710313.520	KURTOSIS	232.055	SKEWNESS	14.902
RANGE	13298.000	MINIMUM	2.000	MAXIMUM	13300.000
SUM	30470.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE ZN

MEAN	225.412	STD ERROR	60.056	STD DEV	972.088
VARIANCE	944954.220	KURTOSIS	94.064	SKEWNESS	9.455
RANGE	11480.000	MINIMUM	20.000	MAXIMUM	11500.000
SUM	59058.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

FILE GCHSS1 (CREATION DATE = 01/09/80) NORMALIZED WITH L.O.I.

VARIABLE CD

MEAN	.274	STD ERROR	.082	STD DEV	1.320
VARIANCE	1.743	KURTOSIS	58.365	SKEWNESS	7.206
RANGE	13.500	MINIMUM	0.	MAXIMUM	13.500
SUM	71.800				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE AG

MEAN	.365	STD ERROR	.054	STD DEV	.877
VARIANCE	.770	KURTOSIS	20.312	SKEWNESS	4.381
RANGE	6.000	MINIMUM	0.	MAXIMUM	6.000
SUM	95.600				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE CR

MEAN	136.088	STD ERROR	9.174	STD DEV	148.489
VARIANCE	22048.854	KURTOSIS	22.654	SKEWNESS	4.297
RANGE	1195.000	MINIMUM	5.000	MAXIMUM	1200.000
SUM	35655.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE V

MEAN	132.340	STD ERROR	5.329	STD DEV	86.256
VARIANCE	7440.103	KURTOSIS	20.631	SKEWNESS	3.947
RANGE	752.000	MINIMUM	48.000	MAXIMUM	800.000
SUM	34673.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

FILE GCHSS1 (CREATION DATE = 01/09/80) NORMALIZED WITH L.O.I.

VARIABLE CO

MEAN	35.950	STD ERROR	.876	STD DEV	14.182
VARIANCE	201.143	KURTOSIS	6.485	SKEWNESS	2.094
RANGE	104.000	MINIMUM	16.000	MAXIMUM	120.000
SUM	9419.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE NI

MEAN	57.531	STD ERROR	5.032	STD DEV	81.456
VARIANCE	6635.116	KURTOSIS	45.355	SKEWNESS	5.993
RANGE	790.000	MINIMUM	0.	MAXIMUM	790.000
SUM	15073.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE MO

MEAN	3.832	STD ERROR	.083	STD DEV	1.343
VARIANCE	1.803	KURTOSIS	28.767	SKEWNESS	4.032
RANGE	14.000	MINIMUM	2.000	MAXIMUM	16.000
SUM	1004.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE RB

MEAN	132.179	STD ERROR	3.744	STD DEV	60.594
VARIANCE	3671.673	KURTOSIS	.140	SKEWNESS	-1.007
RANGE	271.000	MINIMUM	0.	MAXIMUM	271.000
SUM	34631.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

FILE GCHSS1 (CREATION DATE = 01/09/80) NORMALIZED WITH L.O.I.

VARIABLE SR

MEAN	136.221	STD ERROR	13.559	STD DEV	219.466
VARIANCE	48165.360	KURTOSIS	112.006	SKEWNESS	9.050
RANGE	2987.000	MINIMUM	13.000	MAXIMUM	3000.000
SUM	35690.000				

VALID OBSERVATIONS - 262 MISSING OBSERVATIONS - 112

VARIABLE ZR

MEAN	151.250	STD ERROR	7.772	STD DEV	79.257
VARIANCE	6281.684	KURTOSIS	2.474	SKEWNESS	1.340
RANGE	437.000	MINIMUM	5.000	MAXIMUM	442.000
SUM	15730.000				

VALID OBSERVATIONS - 104 MISSING OBSERVATIONS - 270

VARIABLE Y

MEAN	20.173	STD ERROR	7.182	STD DEV	73.245
VARIANCE	5364.805	KURTOSIS	86.802	SKEWNESS	9.008
RANGE	728.000	MINIMUM	0.	MAXIMUM	728.000
SUM	2098.000				

VALID OBSERVATIONS - 104 MISSING OBSERVATIONS - 270

*SELECT IF (ROCKCODE EQ 14 OR 34 OR 38)
TASK NAME ROCK CODES 14 34 38
CONDESCRIPTIVE \$I02 TO LOI

***** GIVEN WORKSPACE ALLOWS FOR 275 VARIABLES FOR CONDESCRIPTIVE PROBLEM *****

STATISTICS ALL

CONDESCRIPTIVE

1C, 1C5, 1C6

FILE # 1

VARIABLE SI02

MEAN	56.819	STD ERROR	.368	STD DEV	2.081
VARIANCE	4.330	KURTOSIS	2.202	SKEWNESS	1.488
RANGE	8.850	MINIMUM	54.090	MAXIMUM	62.940
SUM	1818.220				

VALID OBSERVATIONS - 32 MISSING OBSERVATIONS - 0

VARIABLE TI02

MEAN	.689	STD ERROR	.038	STD DEV	.217
VARIANCE	.047	KURTOSIS	2.717	SKEWNESS	1.141
RANGE	1.110	MINIMUM	.290	MAXIMUM	1.400
SUM	22.050				

VALID OBSERVATIONS - 32 MISSING OBSERVATIONS - 0

VARIABLE AL203

MEAN	19.388	STD ERROR	.335	STD DEV	1.895
VARIANCE	3.591	KURTOSIS	.021	SKEWNESS	.245
RANGE	8.000	MINIMUM	15.680	MAXIMUM	23.680
SUM	620.400				

VALID OBSERVATIONS - 32 MISSING OBSERVATIONS - 0

VARIABLE FE203

MEAN	9.566	STD ERROR	.195	STD DEV	1.105
VARIANCE	1.221	KURTOSIS	-.013	SKEWNESS	.466
RANGE	4.820	MINIMUM	7.490	MAXIMUM	12.310
SUM	306.110				

VALID OBSERVATIONS - 32 MISSING OBSERVATIONS - 0

VARIABLE FEO

STATISTICS CAN NOT BE COMPUTED FOR THIS VARIABLE.
 VARIABLE IS EITHER MISSING FOR EVERY CASE, ALPHANUMERIC, OR HAS NUMERIC VALUES EXCEEDING 10,000,000,000,000.

VARIABLE MNO

MEAN	.072	STD ERROR	.009	STD DEV	.050
VARIANCE	.003	KURTOSIS	6.616	SKEWNESS	2.506
RANGE	.230	MINIMUM	.030	MAXIMUM	.260
SUM	2.290				

VALID OBSERVATIONS - 32 MISSING OBSERVATIONS - 0

VARIABLE MGO

MEAN	2.290	STD ERROR	.089	STD DEV	.503
VARIANCE	.253	KURTOSIS	5.778	SKEWNESS	1.089
RANGE	3.130	MINIMUM	.990	MAXIMUM	4.120
SUM	73.290				

VALID OBSERVATIONS - 32 MISSING OBSERVATIONS - 0

VARIABLE CAO

MEAN	.656	STD ERROR	.054	STD DEV	.308
VARIANCE	.095	KURTOSIS	.175	SKEWNESS	.938
RANGE	1.170	MINIMUM	.250	MAXIMUM	1.420
SUM	20.980				

VALID OBSERVATIONS - 32 MISSING OBSERVATIONS - 0

VARIABLE NA20

MEAN	.637	STD ERROR	.124	STD DEV	.704
VARIANCE	.496	KURTOSIS	6.635	SKEWNESS	2.561
RANGE	3.100	MINIMUM	.200	MAXIMUM	3.300
SUM	20.390				

VALID OBSERVATIONS - 32 MISSING OBSERVATIONS - 0

VARIABLE K20

MEAN	4.069	STD ERROR	.127	STD DEV	.716
VARIANCE	.512	KURTOSIS	-.565	SKEWNESS	-.223
RANGE	2.960	MINIMUM	2.500	MAXIMUM	5.460
SUM	130.210				

VALID OBSERVATIONS - 32 MISSING OBSERVATIONS - 0

VARIABLE P205

MEAN	.141	STD ERROR	.012	STD DEV	.070
VARIANCE	.005	KURTOSIS	10.511	SKEWNESS	2.908
RANGE	.360	MINIMUM	.080	MAXIMUM	.440
SUM	4.500				

VALID OBSERVATIONS - 32 MISSING OBSERVATIONS - 0

VARIABLE S

MEAN	.790	STD ERROR	.172	STD DEV	.911
VARIANCE	.830	KURTOSIS	16.656	SKEWNESS	3.863
RANGE	4.900	MINIMUM	.020	MAXIMUM	4.920
SUM	22.130				

VALID OBSERVATIONS - 28 MISSING OBSERVATIONS - 4

VARIABLE LOI

MEAN	4.980	STD ERROR	.312	STD DEV	1.762
VARIANCE	3.105	KURTOSIS	-.376	SKEWNESS	.327
RANGE	6.780	MINIMUM	2.060	MAXIMUM	8.840
SUM	159.350				

VALID OBSERVATIONS - 32 MISSING OBSERVATIONS - 0

TRANSPACE REQUIRED.. 48 WORDS
1 TRANSFORMATIONS
0 RECODE VALUES + LAG VARIABLES
11 IF/COMPUTE OPERATIONS

*SELECT IF (ROCKCODE EQ 32)
TASK NAME ROCK CODE 32
CONDESCRIPTIVE SI02 TO LOI

***** GIVEN WORKSPACE ALLOWS FOR 275 VARIABLES FOR CONDESCRIPTIVE PROBLEM *****

STATISTICS ALL

CONDESCRIPTIVE

LCD

FILE #1

VARIABLE SI02

MEAN	55.573	STD ERROR	.607	STD DEV	4.161
VARIANCE	17.311	KURTOSIS	6.108	SKEWNESS	-1.675
RANGE	25.230	MINIMUM	37.990	MAXIMUM	63.220
SUM	2611.950				

VALID OBSERVATIONS - 47 MISSING OBSERVATIONS - 0

VARIABLE TI02

MEAN	.700	STD ERROR	.019	STD DEV	.128
VARIANCE	.016	KURTOSIS	4.059	SKEWNESS	1.362
RANGE	.720	MINIMUM	.480	MAXIMUM	1.200
SUM	32.890				

VALID OBSERVATIONS - 47 MISSING OBSERVATIONS - 0

VARIABLE AL203

MEAN	20.292	STD ERROR	.312	STD DEV	2.139
VARIANCE	4.575	KURTOSIS	1.684	SKEWNESS	.615
RANGE	11.610	MINIMUM	15.700	MAXIMUM	27.310
SUM	953.740				

VALID OBSERVATIONS - 47 MISSING OBSERVATIONS - 0

VARIABLE FE203

MEAN	9.021	STD ERROR	.139	STD DEV	.951
VARIANCE	.904	KURTOSIS	6.219	SKEWNESS	1.160
RANGE	6.570	MINIMUM	6.230	MAXIMUM	12.800
SUM	423.980				

VALID OBSERVATIONS - 47 MISSING OBSERVATIONS - 0

VARIABLE FEO

STATISTICS CAN NOT BE COMPUTED FOR THIS VARIABLE.
 VARIABLE IS EITHER MISSING FOR EVERY CASE, ALPHANUMERIC, OR HAS NUMERIC VALUES EXCEEDING 10,000,000,000,000.

VARIABLE MNO

MEAN	.102	STD ERROR	.005	STD DEV	.037
VARIANCE	.001	KURTOSIS	2.257	SKEWNESS	1.389
RANGE	.170	MINIMUM	.050	MAXIMUM	.220
SUM	4.810				

VALID OBSERVATIONS - 47 MISSING OBSERVATIONS - 0

VARIABLE MGO

MEAN	2.111	STD ERROR	.143	STD DEV	.979
VARIANCE	.959	KURTOSIS	41.713	SKEWNESS	6.291
RANGE	6.920	MINIMUM	1.580	MAXIMUM	8.500
SUM	99.210				

VALID OBSERVATIONS - 47 MISSING OBSERVATIONS - 0

VARIABLE CAO

MEAN	.989	STD ERROR	.132	STD DEV	.905
VARIANCE	.819	KURTOSIS	14.140	SKEWNESS	3.540
RANGE	5.030	MINIMUM	.370	MAXIMUM	5.400
SUM	46.480				

VALID OBSERVATIONS - 47 MISSING OBSERVATIONS - 0

VARIABLE NA2O

MEAN	.877	STD ERROR	.060	STD DEV	.408
VARIANCE	.167	KURTOSIS	5.633	SKEWNESS	1.689
RANGE	2.260	MINIMUM	.350	MAXIMUM	2.610
SUM	41.230				

VALID OBSERVATIONS - 47 MISSING OBSERVATIONS - 0

VARIABLE K20

MEAN	4.068	STD ERROR	.099	STD DEV	.678
VARIANCE	.460	KURTOSIS	2.740	SKEWNESS	-.843
RANGE	3.950	MINIMUM	1.840	MAXIMUM	5.790
SUM	191.210				

VALID OBSERVATIONS - 47 MISSING OBSERVATIONS - 0

VARIABLE P205

MEAN	.116	STD ERROR	.005	STD DEV	.035
VARIANCE	.001	KURTOSIS	7.332	SKEWNESS	2.072
RANGE	.200	MINIMUM	.070	MAXIMUM	.270
SUM	5.460				

VALID OBSERVATIONS - 47 MISSING OBSERVATIONS - 0

VARIABLE S

MEAN	.275	STD ERROR	.029	STD DEV	.200
VARIANCE	.040	KURTOSIS	-.354	SKEWNESS	1.007
RANGE	.710	MINIMUM	.050	MAXIMUM	.760
SUM	12.940				

VALID OBSERVATIONS - 47 MISSING OBSERVATIONS - 0

VARIABLE LOI

MEAN	5.869	STD ERROR	.289	STD DEV	1.978
VARIANCE	3.914	KURTOSIS	-.423	SKEWNESS	.601
RANGE	8.020	MINIMUM	3.220	MAXIMUM	11.240
SUM	275.840				

VALID OBSERVATIONS - 47 MISSING OBSERVATIONS - 0

TRANSPACE REQUIRED.. 25 WORDS
1 TRANSFORMATIONS
0 RECODE VALUES + LAG VARIABLES
3 IF/COMPUTE OPERATIONS

*SELECT IF (ROCKCODE EQ 40)
TASK NAME ROCK CODE 40
CONDESCRIPTIVE SI02 TO L01

***** GIVEN WORKSPACE ALLOWS FOR 275 VARIABLES FOR CONDESCRIPTIVE PROBLEM *****

STATISTICS ALL

CONDESCRIPTIVE

ID

FILE #1

VARIABLE SIO2

MEAN	57.331	STD ERROR	.464	STD DEV	3.742
VARIANCE	14.002	KURTOSIS	.462	SKEWNESS	.690
RANGE	17.350	MINIMUM	50.440	MAXIMUM	67.790
SUM	3726.490				

VALID OBSERVATIONS = 65 MISSING OBSERVATIONS = 0

VARIABLE TIO2

MEAN	.536	STD ERROR	.016	STD DEV	.130
VARIANCE	.017	KURTOSIS	.556	SKEWNESS	-.021
RANGE	.700	MINIMUM	.160	MAXIMUM	.860
SUM	34.830				

VALID OBSERVATIONS = 65 MISSING OBSERVATIONS = 0

VARIABLE AL2O3

MEAN	19.991	STD ERROR	.240	STD DEV	1.936
VARIANCE	3.748	KURTOSIS	.633	SKEWNESS	-.602
RANGE	10.130	MINIMUM	14.260	MAXIMUM	24.390
SUM	1299.440				

VALID OBSERVATIONS = 65 MISSING OBSERVATIONS = 0

VARIABLE FE2O3

MEAN	8.301	STD ERROR	.130	STD DEV	1.045
VARIANCE	1.093	KURTOSIS	1.846	SKEWNESS	-.850
RANGE	5.640	MINIMUM	4.600	MAXIMUM	10.240
SUM	539.570				

VALID OBSERVATIONS = 65 MISSING OBSERVATIONS = 0

VARIABLE FEO

STATISTICS CAN NOT BE COMPUTED FOR THIS VARIABLE.
 VARIABLE IS EITHER MISSING FOR EVERY CASE, ALPHANUMERIC, OR HAS NUMERIC VALUES EXCEEDING 10,000,000,000,000.

VARIABLE K20

MEAN	3.769	STD ERROR	.077	STD DEV	.618
VARIANCE	.382	KURTOSIS	.495	SKEWNESS	-.034
RANGE	3.370	MINIMUM	2.060	MAXIMUM	5.430
SUM	244.990				

VALID OBSERVATIONS - 65 MISSING OBSERVATIONS - 0

VARIABLE P205

MEAN	.169	STD ERROR	.006	STD DEV	.050
VARIANCE	.002	KURTOSIS	3.796	SKEWNESS	1.192
RANGE	.290	MINIMUM	.090	MAXIMUM	.380
SUM	10.980				

VALID OBSERVATIONS - 65 MISSING OBSERVATIONS - 0

VARIABLE S

MEAN	.399	STD ERROR	.060	STD DEV	.483
VARIANCE	.233	KURTOSIS	18.810	SKEWNESS	3.877
RANGE	3.160	MINIMUM	.040	MAXIMUM	3.200
SUM	25.910				

VALID OBSERVATIONS - 65 MISSING OBSERVATIONS - 0

VARIABLE LOI

MEAN	5.781	STD ERROR	.214	STD DEV	1.725
VARIANCE	2.977	KURTOSIS	-.200	SKEWNESS	.060
RANGE	7.900	MINIMUM	2.050	MAXIMUM	9.950
SUM	375.770				

VALID OBSERVATIONS - 65 MISSING OBSERVATIONS - 0

TRANSPACE REQUIRED.. 25 WORDS
1 TRANSFORMATIONS
0 RECODE VALUES + LAG VARIABLES
3 IF/COMPUTE OPERATIONS

*SELECT IF (ROCKCODE EQ 3)
TASK NAME ROCK CODE 3
CONDESCRIPTIVE SIO2 TO LOI

***** GIVEN WORKSPACE ALLOWS FOR 275 VARIABLES FOR CONDESCRIPTIVE PROBLEM *****

STATISTICS ALL

CONDESCRIPTIVE

3G

FILE # 1

VARIABLE SI02

MEAN	56.104	STD ERROR	1.013	STD DEV	4.643
VARIANCE	21.553	KURTOSIS	4.188	SKEWNESS	-1.908
RANGE	19.380	MINIMUM	41.570	MAXIMUM	60.950
SUM	1178.190				

VALID OBSERVATIONS - 21 MISSING OBSERVATIONS - 0

VARIABLE I102

MEAN	.759	STD ERROR	.067	STD DEV	.307
VARIANCE	.094	KURTOSIS	3.412	SKEWNESS	.742
RANGE	1.560	MINIMUM	.100	MAXIMUM	1.660
SUM	15.930				

VALID OBSERVATIONS - 21 MISSING OBSERVATIONS - 0

VARIABLE AL203

MEAN	20.070	STD ERROR	.623	STD DEV	2.854
VARIANCE	8.144	KURTOSIS	4.522	SKEWNESS	-1.245
RANGE	13.750	MINIMUM	10.970	MAXIMUM	24.720
SUM	421.460				

VALID OBSERVATIONS - 21 MISSING OBSERVATIONS - 0

VARIABLE FE203

MEAN	9.093	STD ERROR	.412	STD DEV	1.890
VARIANCE	3.570	KURTOSIS	.731	SKEWNESS	.982
RANGE	7.220	MINIMUM	6.240	MAXIMUM	13.460
SUM	190.960				

VALID OBSERVATIONS - 21 MISSING OBSERVATIONS - 0

VARIABLE FE0

STATISTICS CAN NOT BE COMPUTED FOR THIS VARIABLE.
 VARIABLE IS EITHER MISSING FOR EVERY CASE, ALPHANUMERIC, OR HAS NUMERIC VALUES EXCEEDING 10,000,000,000,000.

VARIABLE MNO

MEAN	.103	STD ERROR	.023	STD DEV	.103
VARIANCE	.011	KURTOSIS	16.224	SKEWNESS	3.838
RANGE	.500	MINIMUM	.030	MAXIMUM	.530
SUM	2.170				

VALID OBSERVATIONS - 21 MISSING OBSERVATIONS - 0

VARIABLE MGO

MEAN	2.544	STD ERROR	.267	STD DEV	1.222
VARIANCE	1.492	KURTOSIS	12.881	SKEWNESS	3.374
RANGE	5.850	MINIMUM	1.500	MAXIMUM	7.350
SUM	53.430				

VALID OBSERVATIONS - 21 MISSING OBSERVATIONS - 0

VARIABLE CAD

MEAN	1.845	STD ERROR	.575	STD DEV	2.633
VARIANCE	6.934	KURTOSIS	3.401	SKEWNESS	1.985
RANGE	9.540	MINIMUM	.220	MAXIMUM	9.760
SUM	38.750				

VALID OBSERVATIONS - 21 MISSING OBSERVATIONS - 0

VARIABLE NA2O

MEAN	1.224	STD ERROR	.105	STD DEV	.480
VARIANCE	.230	KURTOSIS	-.899	SKEWNESS	.038
RANGE	1.700	MINIMUM	.350	MAXIMUM	2.050
SUM	25.710				

VALID OBSERVATIONS - 21 MISSING OBSERVATIONS - 0

VARIABLE K20

MEAN	4.134	STD ERROR	.196	STD DEV	.899
VARIANCE	.808	KURTOSIS	2.834	SKEWNESS	-1.178
RANGE	4.050	MINIMUM	1.460	MAXIMUM	5.510
SUM	86.810				

VALID OBSERVATIONS - 21 MISSING OBSERVATIONS - 0

VARIABLE P205

MEAN	.158	STD ERROR	.010	STD DEV	.047
VARIANCE	.002	KURTOSIS	.855	SKEWNESS	1.137
RANGE	.170	MINIMUM	.100	MAXIMUM	.270
SUM	3.320				

VALID OBSERVATIONS - 21 MISSING OBSERVATIONS - 0

VARIABLE S

MEAN	.037	STD ERROR	.010	STD DEV	.039
VARIANCE	.002	KURTOSIS	2.995	SKEWNESS	1.882
RANGE	.130	MINIMUM	.010	MAXIMUM	.140
SUM	.560				

VALID OBSERVATIONS - 15 MISSING OBSERVATIONS - 6

VARIABLE LOI

MEAN	3.934	STD ERROR	.657	STD DEV	3.011
VARIANCE	9.068	KURTOSIS	13.045	SKEWNESS	3.179
RANGE	15.340	MINIMUM	.460	MAXIMUM	15.800
SUM	82.620				

VALID OBSERVATIONS - 21 MISSING OBSERVATIONS - 0

TRANSPACE REQUIRED.. 25 WORDS
1 TRANSFORMATIONS
0 RECODE VALUES + LAG VARIABLES
3 IF/COMPUTE OPERATIONS

SAVE FILE

FILE GCHSS1 HAS BEEN SAVED WITH 35 VARIABLES..

SEQNUM	SUBFILE	CASWGT	SPEC	SI02	TI02	AL203	FE203	FEO	MNO
MGO	CA0	NA20	K20	P205	S	LOI	BA	CU	PB
ZN	CD	AG	CR	V	CO	NI	MO	RB	SR
ZR	Y	ROCKCODE	GROUP	SEQ					

THE SUBFILES ARE..

NAME	NO OF CASES
GCHSS1	374

FINISH

NORMAL END OF JOB.
45 CONTROL CARDS WERE PROCESSED.
0 ERRORS WERE DETECTED.