                                  The MEANS Procedure

```
Variable       Label                                                          N
-------------------------------------------------------------------------------
SEQN           Sequence number                                         40104010
DMARETHN       Race-ethnicity                                          40104010
DMARACER       Race                                                    40104010
DMAETHNR       Ethnicity                                               40104010
DMPMETRO       Rural/urban code based on USDA code                     40104010
DMPCREGN       Census region, weighting(Texas in south)                40104010
SDPPSU6        Total NHANES III pseudo-PSU                             40104010
SDPSTRA6       Total NHANES III pseudo-stratum                         40104010
WTPFQX6        Total interviewed sample final weight                   40104010
WTPFEX6        Total MEC examined sample final weight                  40104010
WTPFHX6        Total M+H examined sample final weight                  40104010
BMPWT          Weight (kg) (2 months and over)                         36253625
BMPHT          Standing height (cm) (2 years and over)                 36253625
DIABETES       DIABETES:1=YES 2=NO                                     40104010
SMOKING        SMOKING:1=CURRENT 2=FORMER 3=NEVER                      40104010
EDUCATION      Highest grade or yr of school completed                 40104010
HEALTH         Is health in general excellent,...,poor                 40104010
DENTALHEALTH   Describe natural teeth: excellent...poor                40104010
CIGARETTES     # cigarettes smoked per day                              9960996
MARITAL        Marital status                                          40104010
INCOME20K      Total family 12 month income < $20,000                  40104010
INCOME         Total family 12 month income group                      40104010
AGE                                                                    40104010
SBP            Overall average K1, systolic, BP(age 5+)                35383538
DBP            Overall average K5, diastolic, BP(age5+)                35383538
SEX                                                                    40104010
PIR            Poverty Income Ratio (unimputed income)                 40104010
HYPERTENSION   Doctor ever told had hypertension/HBP                   39733973
CHOLESTEROL    Doctor told blood cholesterol level high                19941994
ELIGSTAT       ELIGIBILITY STATUS FOR MORTALITY FOLLOW-UP              40104010
MORTSTAT       FINAL MORTALITY STATUS                                  40074007
PERMTH_INT     PERSON MONTHS OF FOLLOW-UP FROM INTV. DATE              40074007
PERMTH_EXM     PERSON MONTHS OF FOLLOW-UP FROM MEC/HOME EXAM DATE       36243624
DIAB           DIABETES FLAG FROM MULTIPLE CAUSE OF DEATH (MCOD)         6760676
HYPERTEN       HYPERTENSION FLAG FROM MULTIPLE CAUSE OF DEATH (MCOD)     6760676
HIPFRACT       HIP FRACTURE FLAG FROM MULTIPLE CAUSE OF DEATH (MCOD)     6760676
DEATH                                                                  40074007
CVD                                                                    40074007
CANCER                                                                 40074007
STROKE                                                                  6690669
COLON                                                                   6690669
-------------------------------------------------------------------------------
```

```
  Variable           Mean         Std Dev         Minimum         Maximum
  -----------------------------------------------------------------------------
  SEQN            26531.57        17168.46      10.0000000        53616.00
  DMARETHN       1.9174564       0.9150553       1.0000000       4.0000000
  DMARACER       1.3441397       0.5486522       1.0000000       8.0000000
  DMAETHNR       2.4438903       0.8829043       1.0000000       3.0000000
  DMPMETRO       1.5109726       0.4998796       1.0000000       2.0000000
  DMPCREGN       2.7516209       0.9740543       1.0000000       4.0000000
  -----------------------------------------------------------------------------
```

The MEANS Procedure

| Variable | Mean | Std Dev | Minimum | Maximum |
|----------|------|---------|---------|---------|
| SDPPSU6 | 1.4947631 | 0.4999726 | 1.0000000 | 2.0000000 |
| SDPSTRA6 | 23.5216958 | 13.6644927 | 1.0000000 | 49.0000000 |
| WTPFQX6 | 9407.52 | 11601.78 | 220.8800000 | 132278.90 |
| WTPFEX6 | 9307.73 | 12584.79 | 0 | 140778.72 |
| WTPFHX6 | 9298.00 | 12486.03 | 0 | 139744.91 |
| BMPWT | 2035.64 | 41708.26 | 31.2400000 | 888888.00 |
| BMPHT | 386.5488552 | 4415.28 | 130.6000000 | 88888.00 |
| DIABETES | 1.9271820 | 0.2598375 | 1.0000000 | 2.0000000 |
| SMOKING | 2.2600998 | 0.8289819 | 1.0000000 | 3.0000000 |
| EDUCATION | 11.7508728 | 9.5660994 | 0 | 99.0000000 |
| HEALTH | 2.7735661 | 1.1047842 | 1.0000000 | 9.0000000 |
| DENTALHEALTH | 3.7720698 | 3.3711284 | 1.0000000 | 99.0000000 |
| CIGARETTES | 74.6174699 | 205.5990744 | 1.0000000 | 999.0000000 |
| MARITAL | 3.5274314 | 6.1820972 | 1.0000000 | 88.0000000 |
| INCOME20K | 1.6763092 | 1.1995271 | 0 | 9.0000000 |
| INCOME | 27.1411471 | 25.9457913 | 0 | 99.0000000 |
| AGE | 47.7369077 | 20.9094919 | 17.0000000 | 90.0000000 |
| SBP | 126.1020350 | 34.7995158 | 83.0000000 | 888.0000000 |
| DBP | 75.9070096 | 42.4407364 | 23.0000000 | 888.0000000 |
| SEX | 1.5304239 | 0.4990735 | 1.0000000 | 2.0000000 |
| PIR | 103521.01 | 285131.70 | 0 | 888888.00 |
| HYPERTENSION | 1.7432671 | 0.5881052 | 1.0000000 | 9.0000000 |
| CHOLESTEROL | 1.6825476 | 0.5975765 | 1.0000000 | 9.0000000 |
| ELIGSTAT | 1.0014963 | 0.0546835 | 1.0000000 | 3.0000000 |
| MORTSTAT | 0.1687048 | 0.3744910 | 0 | 1.0000000 |
| PERMTH_INT | 101.8824557 | 29.9761394 | 0 | 146.0000000 |
| PERMTH_EXM | 101.8071192 | 29.1365925 | 0 | 145.0000000 |
| DIAB | 0.1005917 | 0.3007874 | 0 | 1.0000000 |
| HYPERTEN | 0.0872781 | 0.2822422 | 0 | 1.0000000 |
| HIPFRACT | 0.0088757 | 0.0937921 | 0 | 1.0000000 |
| DEATH | 0.1687048 | 0.3744910 | 0 | 1.0000000 |
| CVD | 0.0803594 | 0.2718488 | 0 | 1.0000000 |
| CANCER | 0.0379336 | 0.1910358 | 0 | 1.0000000 |
| STROKE | 0.0881913 | 0.2835730 | 0 | 1.0000000 |
| COLON | 0.1001495 | 0.3001992 | 0 | 1.0000000 |

                         The ANOVA Procedure

                     Class Level Information

               Class          Levels    Values

               SEX               2      1 2


              Data for Analysis of AGE EDUCATION

        Number of Observations Read      40104010
        Number of Observations Used      40104010


              Data for Analysis of SBP DBP

        Number of Observations Read      40104010
        Number of Observations Used      35383538


NOTE: Variables in each group are consistent with respect to the presence or
      absence of missing values.

The ANOVA Procedure

Dependent Variable: AGE

| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|---|---|---|---|---|---|
| Model | 1 | 10552860 | 10552860 | 24151.5 | <.0001 |
| Error | 4.01E7 | 17523194716 | 437 | | |
| Corrected Total | 4.01E7 | 17533747576 | | | |

| R-Square | Coeff Var | Root MSE | AGE Mean |
|---|---|---|---|
| 0.000602 | 43.78834 | 20.90320 | 47.73691 |

| Source | DF | Anova SS | Mean Square | F Value | Pr > F |
|---|---|---|---|---|---|
| SEX | 1 | 10552860.30 | 10552860.30 | 24151.5 | <.0001 |

The ANOVA Procedure

Dependent Variable: EDUCATION    Highest grade or yr of school completed

| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|---|---|---|---|---|---|
| Model | 1 | 413064 | 413064 | 4514.36 | <.0001 |
| Error | 4.01E7 | 3669515111 | 91 | | |
| Corrected Total | 4.01E7 | 3669928176 | | | |

| R-Square | Coeff Var | Root MSE | EDUCATION Mean |
|---|---|---|---|
| 0.000113 | 81.40298 | 9.565561 | 11.75087 |

| Source | DF | Anova SS | Mean Square | F Value | Pr > F |
|---|---|---|---|---|---|
| SEX | 1 | 413064.2083 | 413064.2083 | 4514.36 | <.0001 |

The ANOVA Procedure

Dependent Variable: SBP    Overall average K1, systolic, BP(age 5+)

| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|---|---|---|---|---|---|
| Model | 1 | 236198149 | 236198149 | 196124 | <.0001 |
| Error | 3.54E7 | 42613488044 | 1204 | | |
| Corrected Total | 3.54E7 | 42849686194 | | | |

| R-Square | Coeff Var | Root MSE | SBP Mean |
|---|---|---|---|
| 0.005512 | 27.52015 | 34.70347 | 126.1020 |

| Source | DF | Anova SS | Mean Square | F Value | Pr > F |
|---|---|---|---|---|---|
| SEX | 1 | 236198149.1 | 236198149.1 | 196124 | <.0001 |

The ANOVA Procedure

Dependent Variable: DBP    Overall average K5, diastolic, BP(age5+)

| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|---|---|---|---|---|---|
| Model | 1 | 225139317 | 225139317 | 125436 | <.0001 |
| Error | 3.54E7 | 63508257448 | 1795 | | |
| Corrected Total | 3.54E7 | 63733396764 | | | |

| R-Square | Coeff Var | Root MSE | DBP Mean |
|---|---|---|---|
| 0.003533 | 55.81264 | 42.36571 | 75.90701 |

| Source | DF | Anova SS | Mean Square | F Value | Pr > F |
|---|---|---|---|---|---|
| SEX | 1 | 225139316.5 | 225139316.5 | 125436 | <.0001 |

The FREQ Procedure

| SEX | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
|-----|-----------|---------|----------------------|--------------------|
| 1   | 18831883  | 46.96   | 18831883             | 46.96              |
| 2   | 21272127  | 53.04   | 40104010             | 100.00             |

Ethnicity

| DMAETHNR | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
|----------|-----------|---------|----------------------|--------------------|
| 1        | 10681068  | 26.63   | 10681068             | 26.63              |
| 2        | 940094    | 2.34    | 11621162             | 28.98              |
| 3        | 28482848  | 71.02   | 40104010             | 100.00             |

Race

| DMARACER | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
|----------|-----------|---------|----------------------|--------------------|
| 1        | 27662766  | 68.98   | 27662766             | 68.98              |
| 2        | 11131113  | 27.76   | 38793879             | 96.73              |
| 3        | 1300130   | 3.24    | 40094009             | 99.98              |
| 8        | 10001     | 0.02    | 40104010             | 100.00             |

Race-ethnicity

| DMARETHN | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
|----------|-----------|---------|----------------------|--------------------|
| 1        | 17051705  | 42.52   | 17051705             | 42.52              |
| 2        | 10841084  | 27.03   | 27892789             | 69.55              |
| 3        | 10681068  | 26.63   | 38573857             | 96.18              |
| 4        | 1530153   | 3.82    | 40104010             | 100.00             |

Rural/urban code based on USDA code

| DMPMETRO | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
|----------|-----------|---------|----------------------|--------------------|
| 1        | 19611961  | 48.90   | 19611961             | 48.90              |
| 2        | 20492049  | 51.10   | 40104010             | 100.00             |

The FREQ Procedure

|        |           |         | Cumulative | Cumulative |
| DEATH  | Frequency | Percent | Frequency  | Percent    |
|--------|-----------|---------|------------|------------|
| 0      | 33313331  | 83.13   | 33313331   | 83.13      |
| 1      | 6760676   | 16.87   | 40074007   | 100.00     |

Frequency Missing = 30003


Describe natural teeth: excellent...poor

|              |           |         | Cumulative | Cumulative |
| DENTALHEALTH | Frequency | Percent | Frequency  | Percent    |
|--------------|-----------|---------|------------|------------|
| 1            | 2970297   | 7.41    | 2970297    | 7.41       |
| 2            | 4950495   | 12.34   | 7920792    | 19.75      |
| 3            | 11361136  | 28.33   | 19281928   | 48.08      |
| 4            | 9400940   | 23.44   | 28682868   | 71.52      |
| 5            | 6020602   | 15.01   | 34703470   | 86.53      |
| 6            | 5350535   | 13.34   | 40054005   | 99.88      |
| 88           | 40004     | 0.10    | 40094009   | 99.98      |
| 99           | 10001     | 0.02    | 40104010   | 100.00     |


HIP FRACTURE FLAG FROM MULTIPLE CAUSE OF DEATH (MCOD)

|          |           |         | Cumulative | Cumulative |
| HIPFRACT | Frequency | Percent | Frequency  | Percent    |
|----------|-----------|---------|------------|------------|
| 0        | 6700670   | 99.11   | 6700670    | 99.11      |
| 1        | 60006     | 0.89    | 6760676    | 100.00     |

Frequency Missing = 33343334


Marital status

|         |           |         | Cumulative | Cumulative |
| MARITAL | Frequency | Percent | Frequency  | Percent    |
|---------|-----------|---------|------------|------------|
| 1       | 20472047  | 51.05   | 20472047   | 51.05      |
| 2       | 680068    | 1.70    | 21152115   | 52.74      |
| 3       | 1560156   | 3.89    | 22712271   | 56.63      |
| 4       | 4940494   | 12.32   | 27652765   | 68.95      |
| 5       | 2620262   | 6.53    | 30273027   | 75.49      |
| 6       | 1310131   | 3.27    | 31583158   | 78.75      |
| 7       | 8340834   | 20.80   | 39923992   | 99.55      |
| 88      | 180018    | 0.45    | 40104010   | 100.00     |

The FREQ Procedure

|  |  |  | Cumulative | Cumulative |
| CANCER | Frequency | Percent | Frequency | Percent |
|---|---|---|---|---|
| 0 | 38553855 | 96.21 | 38553855 | 96.21 |
| 1 | 1520152 | 3.79 | 40074007 | 100.00 |

Frequency Missing = 30003


Doctor told blood cholesterol level high

|  |  |  | Cumulative | Cumulative |
| CHOLESTEROL | Frequency | Percent | Frequency | Percent |
|---|---|---|---|---|
| 1 | 6680668 | 33.50 | 6680668 | 33.50 |
| 2 | 13211321 | 66.25 | 19891989 | 99.75 |
| 9 | 50005 | 0.25 | 19941994 | 100.00 |

Frequency Missing = 20162016


|  |  |  | Cumulative | Cumulative |
| COLON | Frequency | Percent | Frequency | Percent |
|---|---|---|---|---|
| 0 | 6020602 | 89.99 | 6020602 | 89.99 |
| 1 | 670067 | 10.01 | 6690669 | 100.00 |

Frequency Missing = 33413341


|  |  |  | Cumulative | Cumulative |
| CVD | Frequency | Percent | Frequency | Percent |
|---|---|---|---|---|
| 0 | 36853685 | 91.96 | 36853685 | 91.96 |
| 1 | 3220322 | 8.04 | 40074007 | 100.00 |

Frequency Missing = 30003


DIABETES:1=YES 2=NO

|  |  |  | Cumulative | Cumulative |
| DIABETES | Frequency | Percent | Frequency | Percent |
|---|---|---|---|---|
| 1 | 2920292 | 7.28 | 2920292 | 7.28 |
| 2 | 37183718 | 92.72 | 40104010 | 100.00 |

The FREQ Procedure

Doctor ever told had hypertension/HBP

|                |           |         | Cumulative | Cumulative |
| HYPERTENSION   | Frequency | Percent | Frequency  | Percent    |
| -------------- | --------- | ------- | ---------- | ---------- |
| 1              | 10971097  | 27.61   | 10971097   | 27.61      |
| 2              | 28652865  | 72.11   | 39623962   | 99.72      |
| 9              | 110011    | 0.28    | 39733973   | 100.00     |

Frequency Missing = 370037

Is health in general excellent,...,poor

|        |           |         | Cumulative | Cumulative |
| HEALTH | Frequency | Percent | Frequency  | Percent    |
| ------ | --------- | ------- | ---------- | ---------- |
| 1      | 6070607   | 15.14   | 6070607    | 15.14      |
| 2      | 9230923   | 23.02   | 15301530   | 38.15      |
| 3      | 14691469  | 36.63   | 29992999   | 74.79      |
| 4      | 8110811   | 20.22   | 38103810   | 95.01      |
| 5      | 1950195   | 4.86    | 40054005   | 99.88      |
| 8      | 20002     | 0.05    | 40074007   | 99.93      |
| 9      | 30003     | 0.07    | 40104010   | 100.00     |

|        |           |         | Cumulative | Cumulative |
| STROKE | Frequency | Percent | Frequency  | Percent    |
| ------ | --------- | ------- | ---------- | ---------- |
| 0      | 6100610   | 91.18   | 6100610    | 91.18      |
| 1      | 590059    | 8.82    | 6690669    | 100.00     |

Frequency Missing = 33413341

The CORR Procedure

2  Variables:    AGE      DBP


Simple Statistics

| Variable | N | Mean | Std Dev | Median | Minimum | Maximum |
|----------|---|------|---------|--------|---------|---------|
| AGE | 35383538 | 46.16422 | 20.17453 | 42.00000 | 17.00000 | 90.00000 |
| DBP | 35383538 | 75.90701 | 42.44074 | 74.00000 | 23.00000 | 888.00000 |

Simple Statistics

| Variable | Label |
|----------|-------|
| AGE | |
| DBP | Overall average K5, diastolic, BP(age5+) |


Spearman Correlation Coefficients, N = 35383538
Prob > |r| under H0: Rho=0

|  | AGE | DBP |
|--|-----|-----|
| AGE | 1.00000 | 0.21258 |
|  |  | <.0001 |
| DBP | 0.21258 | 1.00000 |
| Overall average K5, diastolic, BP(age5+) | <.0001 | |

Table                                                          13
                                        15:06 Saturday, January 16, 2021

| SEX | | HIP FRACTURE FLAG FROM MULTIPLE CAUSE OF DEATH (MCOD) | cancertot | colontot | cvdtot |
|-----|------|-------------|-------------|-------------|-------------|
| 1 | N | 3610361.00 | 18821882.00 | 3550355.00 | 18821882.00 |
| | Mean | 110.81 | 435.75 | 986.01 | 892.76 |
| | Max | 10001.00 | 10001.00 | 10001.00 | 10001.00 |
| 2 | N | 3150315.00 | 21252125.00 | 3140314.00 | 21252125.00 |
| | Mean | 63.50 | 329.44 | 1019.21 | 724.78 |
| | Max | 10001.00 | 10001.00 | 10001.00 | 10001.00 |

(Continued)

Table                                       14
                              15:06 Saturday, January 16, 2021

| SEX | | | stroketot |
|-----|------|---|-----------|
| 1 | N | | 3550355.00 |
| | Mean | | 816.98 |
| | Max | | 10001.00 |
| 2 | N | | 3140314.00 |
| | Mean | | 955.51 |
| | Max | | 10001.00 |

| SEX | Is health in general excellent,...,poor | SMOKING:1=CURRENT 2=FORMER 3=NEVER | HIP FRACTURE FLAG FROM MULTIPLE CAUSE OF DEATH (MCOD) | cancertot | colontot | cvdtot | stroketot |
|---|---|---|---|---|---|---|---|
| Female | Blank but applicable | Former | . | 0 | . | 0 | . |
|  |  | Never | . | 0 | . | 0 | . |
|  | Dont know | Never | 0 | 0 | 0 | 100020001 | 0 |
|  | Excellent | Current | 0 | 2E8 | 0 | 100020001 | 0 |
|  |  | Former | 0 | 2E8 | 0 | 0 | 0 |
|  |  | Never | 0 | 4E8 | 0 | 1.0002E9 | 1E8 |
|  | Fair | Current | 0 | 7E8 | 3E8 | 1.0002E9 | 2E8 |
|  |  | Former | 0 | 7E8 | 3E8 | 1.10022E9 | 6E8 |
|  |  | Never | 0 | 15E8 | 8E8 | 2.60052E9 | 5E8 |
|  | Good | Current | 0 | 5E8 | 1E8 | 300060003 | 0 |
|  |  | Former | 0 | 5E8 | 3E8 | 700140007 | 1E8 |
|  |  | Never | 1E8 | 6E8 | 1E8 | 3.60072E9 | 4E8 |
|  | Poor | Current | 0 | 0 | 0 | 300060003 | 1E8 |
|  |  | Former | 0 | 2E8 | 2E8 | 900180009 | 0 |
|  |  | Never | 0 | 2E8 | 8E8 | 1.10022E9 | 4E8 |
|  | Very good | Current | 0 | 2E8 | 1E8 | 400080004 | 2E8 |
|  |  | Former | 0 | 4E8 | 0 | 600120006 | 1E8 |
|  |  | Never | 1E8 | 7E8 | 2E8 | 1.60032E9 | 3E8 |
| Male | Dont know | Never | 0 | 1E8 | 0 | 0 | 0 |
|  | Excellent | Current | 0 | 2E8 | 0 | 100020001 | 0 |
|  |  | Former | 0 | 3E8 | 2E8 | 400080004 | 0 |
|  |  | Never | 0 | 4E8 | 0 | 400080004 | 1E8 |
|  | Fair | Current | 0 | 7E8 | 1E8 | 1.20024E9 | 2E8 |
|  |  | Former | 1E8 | 16E8 | 8E8 | 2.80056E9 | 5E8 |
|  |  | Never | 0 | 5E8 | 3E8 | 1.80036E9 | 2E8 |
|  | Good | Current | 0 | 7E8 | 2E8 | 1.5003E9 | 2E8 |
|  |  | Former | 0 | 16E8 | 6E8 | 2.40048E9 | 5E8 |
|  |  | Never | 0 | 5E8 | 4E8 | 1.40028E9 | 3E8 |
|  | Poor | Current | 0 | 4E8 | 3E8 | 400080004 | 1E8 |
|  |  | Former | 0 | 1E8 | 4E8 | 2.0004E9 | 6E8 |
|  |  | Never | 2E8 | 1E8 | 1E8 | 400080004 | 0 |
|  | Very good | Current | 0 | 1E8 | 0 | 400080004 | 0 |
|  |  | Former | 0 | 6E8 | 1E8 | 1.20024E9 | 2E8 |
|  |  | Never | 1E8 | 3E8 | 0 | 400080004 | 0 |