```
* Encoding: UTF-8.

* variable names in data file imported from excel with spaces in Names changed manually

* make numeric versions of string variables in file from excel

AUTORECODE VARIABLES=Sex
  /INTO Sexn
  /PRINT.

AUTORECODE VARIABLES=Maritalstatus
  /INTO Maritalstatusn
  /PRINT.
* make string versions of dichotomous string variables

AUTORECODE VARIABLES=Primaryhypertension
  /INTO Primaryhypertensionn
  /PRINT.

AUTORECODE VARIABLES=Type2DM
  /INTO Type2DMn
  /PRINT.

AUTORECODE VARIABLES=Stroke
  /INTO Stroken
  /PRINT.

* check of the ranges of scale scores in data

* SCL-90
```

```
DESCRIPTIVES Hostility Hostilitymean Phobicanxiety Phobicanxietymean
Paranoidideation Paranoidideationmean Psychoticism Psychoticismmean.

* scores without mean have different ranges, scores with means are from
* 1, and to 4 or less. From the description in Procedures and assessment methods,
* (unchanged) I had expected at least some scores with minimum below 1

* WHOQOL.

DESCRIPTIVES Physicaldomain Psychologicaldomain Socialdomain Environmentdomain.

* the output from this is consistent with scores 4 to 20, not converted into 0 to 100

* Check of Results

* Table 1 and Results line 156-160

DESCRIPTIVES Age Height Weight BMI.

FREQUENCIES Sex Maritalstatus.

* line 161-165

T-TEST GROUPS=Primaryhypertensionn(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=numberofpositivefactors Physicaldomain Psychologicaldomain
  /CRITERIA=CI(.95).

* line 166-171

T-TEST GROUPS=Type2DMn(1 2)
```

```
  /MISSING=ANALYSIS
  /VARIABLES=numberofpositivefactors Physicaldomain Psychologicaldomain
  /CRITERIA=CI(.95).

* line 171-176

T-TEST GROUPS=Stroken(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=numberofpositivefactors Physicaldomain Psychologicaldomain
  /CRITERIA=CI(.95).

* Table 2, deleting some diagnostics, adjustment variables last

REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF R CI(95) ANOVA  TOL
  /CRITERIA=PIN (.05) POUT (.10)
  /NOORIGIN
  /DEPENDENT numberofpositivefactors
  /METHOD=ENTER Primaryhypertensionn Type2DMn Stroken Sexn Maritalstatusn BMI Age.

* consistent with table 2,
* Somatization, totally unrelated to table 2 with dependent variable Somatization
* the following run uses Somatizationmean as dependent variabnle

REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF R CI(95) ANOVA  TOL
  /CRITERIA=PIN (.05) POUT (.10)
  /NOORIGIN
  /DEPENDENT Somatizationmean
```

```
  /METHOD=ENTER Primaryhypertensionn Type2DMn Stroken Sexn Maritalstatusn BMI Age.

* not quite consistent with Table 2 in coefficients and p-values,
* but differences not large. Confidence intervals consistent with table 2

* Obsessivecompulsivemean, consistent with table 2

REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF R CI(95) ANOVA  TOL
  /CRITERIA=PIN (.05) POUT (.10)
  /NOORIGIN
  /DEPENDENT Obsessivecompulsivemean
  /METHOD=ENTER Primaryhypertensionn Type2DMn Stroken Sexn Maritalstatusn BMI Age.

* Interpersonalsensitivitymean, minor differences in one confidence limit and one p-value

REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF R CI(95) ANOVA  TOL
  /CRITERIA=PIN (.05) POUT (.10)
  /NOORIGIN
  /DEPENDENT Interpersonalsensitivitymean
  /METHOD=ENTER Primaryhypertensionn Type2DMn Stroken Sexn Maritalstatusn BMI Age.

* Depressionmean, some small differences

REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF R CI(95) ANOVA  TOL
  /CRITERIA=PIN (.05) POUT (.10)
```

```
  /NOORIGIN
  /DEPENDENT Depressionmean
  /METHOD=ENTER Primaryhypertensionn Type2DMn Stroken Sexn Maritalstatusn BMI Age.

* Anxietymean, consistent with table 2

REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF R CI(95) ANOVA  TOL
  /CRITERIA=PIN (.05) POUT (.10)
  /NOORIGIN
  /DEPENDENT Anxietymean
  /METHOD=ENTER Primaryhypertensionn Type2DMn Stroken Sexn Maritalstatusn BMI Age.

* Hostilitymean, some small differences

REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF R CI(95) ANOVA  TOL
  /CRITERIA=PIN (.05) POUT (.10)
  /NOORIGIN
  /DEPENDENT Hostilitymean
  /METHOD=ENTER Primaryhypertensionn Type2DMn Stroken Sexn Maritalstatusn BMI Age.

* Phobicanxietymean, some small differences

REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF R CI(95) ANOVA  TOL
  /CRITERIA=PIN (.05) POUT (.10)
  /NOORIGIN
```

```
  /DEPENDENT Phobicanxietymean
  /METHOD=ENTER Primaryhypertensionn Type2DMn Stroken Sexn Maritalstatusn BMI Age.

* Paranoidideationmean, some small differences

REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF R CI(95) ANOVA  TOL
  /CRITERIA=PIN (.05) POUT (.10)
  /NOORIGIN
  /DEPENDENT Paranoidideationmean
  /METHOD=ENTER Primaryhypertensionn Type2DMn Stroken Sexn Maritalstatusn BMI Age.

* Psychoticismmean, consistent with table 2

REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF R CI(95) ANOVA  TOL
  /CRITERIA=PIN (.05) POUT (.10)
  /NOORIGIN
  /DEPENDENT Psychoticismmean
  /METHOD=ENTER Primaryhypertensionn Type2DMn Stroken Sexn Maritalstatusn BMI Age.

* table 3
* Physicaldomain, consistent with table 3, where upper limit is lacking

REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF R CI(95) ANOVA  TOL
  /CRITERIA=PIN (.05) POUT (.10)
  /NOORIGIN
```

```
  /DEPENDENT Physicaldomain
  /METHOD=ENTER Primaryhypertensionn Type2DMn Stroken Sexn Maritalstatusn BMI Age.

* Psychologicaldomain, consistent with table 3, where upper limit is lacking

REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF R CI(95) ANOVA  TOL
  /CRITERIA=PIN (.05) POUT (.10)
  /NOORIGIN
  /DEPENDENT Psychologicaldomain
  /METHOD=ENTER Primaryhypertensionn Type2DMn Stroken Sexn Maritalstatusn BMI Age.

* Socialdomain, consistent with table 3, where upper limit is lacking except Primary diagnisis

REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF R CI(95) ANOVA  TOL
  /CRITERIA=PIN (.05) POUT (.10)
  /NOORIGIN
  /DEPENDENT Socialdomain
  /METHOD=ENTER Primaryhypertensionn Type2DMn Stroken Sexn Maritalstatusn BMI Age.

* Environmentdomain, consistent with table 3, where upper limit is lacking

REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF R CI(95) ANOVA  TOL
  /CRITERIA=PIN (.05) POUT (.10)
  /NOORIGIN
  /DEPENDENT Environmentdomain
```

```
  /METHOD=ENTER Primaryhypertensionn Type2DMn Stroken Sexn Maritalstatusn BMI Age.

* histogram for the first dependent variable

GRAPH
  /HISTOGRAM(NORMAL)=numberofpositivefactors.

* no substantial floor effect, some tail to the right
* similar chacks for the other dependent variables is recommended

* the first regression repeated with bootstrap standard errors, setting
* a fixed seed for reproducibility
* 1000 replications used to save time, 10000 replications is
* recommended in final run

PRESERVE.
SET RNG=MT MTINDEX=5687528.
SHOW RNG.
BOOTSTRAP
  /SAMPLING METHOD=SIMPLE
  /VARIABLES TARGET=numberofpositivefactors INPUT=Primaryhypertensionn Type2DMn Stroken
Sexn Maritalstatusn BMI Age
  /CRITERIA CILEVEL=95 CITYPE=PERCENTILE  NSAMPLES=1000
  /MISSING USERMISSING=EXCLUDE.
REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT numberofpositivefactors
  /METHOD=ENTER Primaryhypertensionn Type2DMn Stroken Sexn Maritalstatusn BMI Age .
```

RESTORE.