```
* Wealth index calculation for Bangladesh DHS 2011.
cd 'C:\Projects\Macro\Bangladesh2011\DataProcessing\wealth'.
* Need to fix alpha variables in exported data first (or drop
them from exported data).
include file='WEALTH_ASSETS.SPS'.
execute.

*{Construct Variables}.

*{Members per sleeping room}.
if (hhusual=0) hhusual=hhslept.
if (qh117>0) memsleep=trunc(hhusual/qh117).
if (qh117=0) memsleep=hhusual.
if (memsleep>=98) memsleep=98.
variable labels memsleep "Number of members per sleeping room".
value labels memsleep 0 'Less than 1 per room'.

*{Drinking water supply}.
compute h2oires=0.
if (qh102=11) h2oires=1.
variable labels h2oires "Piped into dwelling".
compute h2oyrd=0.
if (qh102=12) h2oyrd=1.
variable labels h2oyrd "Piped into yard/plot".
compute h2opub=0.
if (qh102=13) h2opub=1.
variable labels h2opub "Public tap / standpipe".
compute h2obwell=0.
if (qh102=21) h2obwell=1.
variable labels h2obwell "Tube well or borehole".
compute h2opwell=0.
if (qh102=31) h2opwell=1.
variable labels h2opwell "Protected dug well".
compute h2oowell=0.
if (qh102=32) h2oowell=1.
variable labels h2oowell "Unprotected dug well".
compute h2opspg=0.
if (qh102=41) h2opspg=1.
variable labels h2opspg "Protected Spring".
compute h2ouspg=0.
if (qh102=42) h2ouspg=1.
variable labels h2ouspg "Unprotected Spring".
compute h2orain=0.
if (qh102=51) h2orain=1.
variable labels h2orain "Water from rain".
compute h2otruck=0.
if (qh102=61) h2otruck=1.
variable labels h2otruck "Water from tanker truck".
compute h2ocart=0.
if (qh102=71) h2ocart=1.
variable labels h2ocart "Water from cart with small tank".
compute h2osurf=0.
```

```
if (qh102=81) h2osurf=1.
variable labels h2osurf "Surface water-river, lake, dam, etc.".
compute h2obot=0.
if (qh102=91) h2obot=1.
variable labels h2obot "Water from bottle".
compute h2ooth=0.
if (qh102=96) h2ooth=1.
variable labels h2ooth "Other water source".
formats h2oires h2oyrd h2opub h2obwell h2opwell h2oowell h2opspg
h2ouspg h2orain h2otruck h2ocart h2osurf h2obot h2ooth (f1.0).

*{Toilet facility}.
compute flushs=0.
if (qh107=11) flushs=1.
variable labels flushs "Flush toilet to sewer".
compute flusht=0.
if (qh107=12) flusht=1.
variable labels flusht "Flush toilet to septic tank".
compute flushp=0.
if (qh107=13) flushp=1.
variable labels flushp "Flush toilet to pit latrine".
compute flushe=0.
if (qh107=14 or qh107=15) flushe=1.
variable labels flushe "Flush toilet to elsewhere".
compute latvip=0.
if (qh107=21) latvip=1.
variable labels latvip "VIP latrine".
compute latpits=0.
if (qh107=22) latpits=1.
variable labels latpits "Pit latrine with slab".
compute latpit=0.
if (qh107=23) latpit=1.
variable labels latpit "Traditional pit latrine".
compute latcomp=0.
if (qh107=31) latcomp=1.
variable labels latcomp 'Composting toilet/ecosan'.
compute latpail=0.
if (qh107=41) latpail=1.
variable labels latpail 'Bucket toilet'.
compute lathang=0.
if (qh107=51) lathang=1.
variable labels lathang 'Hanging toilet/latrine'.
compute latbush=0.
if (qh107=61) latbush=1.
variable labels latbush "No facility/bush/field".
compute latoth=0.
if (qh107=96) latoth=1.
variable labels latoth 'Other type of latrine/toilet'.
formats flushs flusht flushp flushe latvip latpits latpit latcomp
latpail lathang latbush latoth (f1.0).

compute latshare=0.
```

```
if (qh108=1) latshare=1.
variable labels latshare 'Shares latrine/toilet with other
households'.
formats latshare (f1.0).

*{Flooring}.
compute dirtfloo=0.
if (qh114=11) dirtfloo=1.
variable labels dirtfloo "Earth, sand floor".
compute woodfloo=0.
if (qh114=21 or qh114=22) woodfloo=1.
variable labels woodfloo "Rudimentary wood plank, palm, bamboo
floor".
compute prqfloo=0.
if (qh114=31) prqfloo=1.
variable labels prqfloo "Polished wood floor".
compute vinlfloo=0.
if (qh114=32) vinlfloo=1.
variable labels vinlfloo "Vinyl, asphalt strip floor".
compute tilefloo=0.
if (qh114=33) tilefloo=1.
variable labels tilefloo "Ceramic tile floor".
compute cemtfloo=0.
if (qh114=34) cemtfloo=1.
variable labels cemtfloo "Cement floor".
compute rugfloo=0.
if (qh114=35) rugfloo=1.
variable labels rugfloo "Carpeted floor".
compute othfloo=0.
if (qh114=96) othfloo=1.
variable labels othfloo "Other type of flooring".
formats dirtfloo woodfloo prqfloo vinlfloo tilefloo cemtfloo
rugfloo othfloo (f1.0).

*{Walls}.
compute nowall=0.
if (qh116=11) nowall=1.
variable labels nowall "No walls".
compute natwall=0.
if (qh116=12 or qh116=13) natwall=1.
variable labels natwall "Cane/palm/trunks/dirt walls".
compute mudwall=0.
if (qh116=21) mudwall=1.
variable labels mudwall "Bamboo with mud walls".
compute stomwall=0.
if (qh116=22) stomwall=1.
variable labels stomwall "Stone with mud walls".
compute plywall=0.
if (qh116=24) plywall=1.
variable labels plywall "Plywood walls".
compute cardwall=0.
if (qh116=25) cardwall=1.
```

```
variable labels cardwall "Cardboard walls".
compute tinwall=0.
if (qh116=31) tinwall=1.
variable labels Tinwall "Tin walls".
compute cmtwall=0.
if (qh116=32) cmtwall=1.
variable labels cmtwall "Cement walls".
compute stonwall=0.
if (qh116=33) stonwall=1.
variable labels stonwall "Stone walls with lime/cement".
compute brkwall=0.
if (qh116=34) brkwall=1.
variable labels brkwall "Baked brick walls".
compute cmtbwall=0.
if (qh116=35) cmtbwall=1.
variable labels cmtbwall "Cement block walls".
compute woodwall=0.
if (qh116=36) woodwall=1.
variable labels woodwall "Wood planks, shingles walls".
compute othwall=0.
if (qh116=96) othwall=1.
variable labels othwall "Other type of walls".
formats nowall natwall mudwall stomwall plywall cardwall tinwall
cmtwall stonwall brkwall cmtbwall woodwall othwall (f1.0).

*{Roofing}.
compute noroof=0.
if (qh115=11) noroof=1.
variable labels noroof "No roof".
compute natroof=0.
if (qh115=12) natroof=1.
variable labels natroof "Thatch, palm roof".
compute bambroof=0.
if (qh115=22) bambroof=1.
variable labels bambroof "Palm / bamboo roof".
compute wproof=0.
if (qh115=23) wproof=1.
variable labels wproof "Wood planks roof".
compute cardroof=0.
if (qh115=24) cardroof=1.
variable labels cardroof "Cardboard roof".
compute tinroof=0.
if (qh115=31) tinroof=1.
variable labels tinroof "Tin roof".
compute woodroof=0.
if (qh115=32) woodroof=1.
variable labels woodroof "Wood roof".
compute cerroof=0.
if (qh115=34) cerroof=1.
variable labels cerroof "Ceramic tiles roof".
compute cmtroof=0.
if (qh115=35) cmtroof=1.
```

```
variable labels cmtroof "Cement roof".
compute shngroof=0.
if (qh115=36) shngroof=1.
variable labels shngroof "Roofing shingles roof".
compute othroof=0.
if (qh115=96) othroof=1.
variable labels othroof "Other type of roof".
formats noroof natroof bambroof wproof cardroof tinroof woodroof
cerroof cmtroof shngroof othroof (f1.0).

*{Cooking Fuel}.
compute cookelec=0.
if (qh111=1) cookelec=1.
variable labels cookelec "Electricity for cooking".
compute cooklpg=0.
if (qh111=2) cooklpg=1.
variable labels cooklpg "LPG for cooking".
compute cookgas=0.
if (qh111=3) cookgas=1.
variable labels cookgas "Natural gas for cooking".
compute cookbio=0.
if (qh111=4) cookbio=1.
variable labels cookbio "Biogas for cooking".
compute cookkero=0.
if (qh111=5) cookkero=1.
variable labels cookkero "Kerosene for cooking".
compute cookcoal=0.
if (qh111=6) cookcoal=1.
variable labels cookcoal "Coal, lignite for cooking".
compute cookchar=0.
if (qh111=7) cookchar=1.
variable labels cookchar "Charcoal for cooking".
compute cookwood=0.
if (qh111=8) cookwood=1.
variable labels cookwood "Wood for cooking".
compute cookstraw=0.
if (qh111=9) cookstraw=1.
variable labels cookstraw "Straw for cooking".
compute cookcrop=0.
if (qh111=10) cookcrop=1.
variable labels cookcrop "Agricultural crop for cooking".
compute cookdung=0.
if (qh111=11) cookdung=1.
variable labels cookdung "Dung for cooking".
compute cooknone=0.
if (qh111=95) cooknone=1.
variable labels cooknone 'Does not cook'.
compute cookoth=0.
if (qh111=96) cookoth=1.
variable labels cookoth "Other fuel for cooking".
formats cookelec cooklpg cookgas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop cookdung cooknone cookoth
```

```
(f1.0).

*{Reset missing values to "does not have", change 2 code to 0}.
if (missing(qh110a) | qh110a<>1) qh110a=0.
if (missing(qh110b) | qh110b<>1) qh110b=0.
if (missing(qh110c) | qh110c<>1) qh110c=0.
if (missing(qh110d) | qh110d<>1) qh110d=0.
if (missing(qh110e) | qh110e<>1) qh110e=0.
if (missing(qh110f) | qh110f<>1) qh110f=0.
if (missing(qh110g) | qh110g<>1) qh110g=0.
if (missing(qh110h) | qh110h<>1) qh110h=0.
if (missing(qh110i) | qh110i<>1) qh110i=0.
if (missing(qh110j) | qh110j<>1) qh110j=0.
if (missing(qh110k) | qh110k<>1) qh110k=0.
if (missing(qh110l) | qh110l<>1) qh110l=0.

if (missing(qh118a) | qh118a<>1) qh118a=0.
if (missing(qh118b) | qh118b<>1) qh118b=0.
if (missing(qh118c) | qh118c<>1) qh118c=0.
if (missing(qh118d) | qh118d<>1) qh118d=0.

if (not(missing(qh122c)) & qh122c < 99.98) landarea=qh122c.
if (qh122c=99.95) landarea=95.
if (missing(qh122b) | qh122b<>1) landarea=0.
frequencies landarea.

if (missing(qh121) | qh121 <>1) qh121=0.
if (missing(qh122_1) | qh121 <>1) qh122_1=0.
if (missing(qh122_2) | qh121 <>1) qh122_2=0.
*if (missing(qh122_3) | qh121 <>1) qh122_3=0.
if (missing(qh122_4) | qh121 <>1) qh122_4=0.
if (missing(qh122_5) | qh121 <>1) qh122_5=0.
if (missing(qh122a) | qh122a<>1) qh122a=0.

missing values qh122_1 to qh122_5 (98,99).

if (missing(qh123) | qh123<>1) qh123=0.

* Compute urban and rural variables coded (1/0) for filters
later.
COMPUTE urban=(qhtype = 1).
COMPUTE rural=(qhtype = 2).
VARIABLE LABELS urban 'Urban' / rural 'Rural'.
VALUE LABELS urban 1 'Urban' / rural 1 'Rural'.
FORMATS urban rural (f1.0).

execute.


* Check on indicator variable creation.

FREQUENCIES VARIABLES=QHTYPE hhmembers hhusual hhslept
```

```
    QH102 QH107 QH108 QH110A QH110B QH110C QH110D QH110E QH110F
QH110G QH110H QH110I QH110J QH110K QH110L
           QH111 QH114 QH115 QH116 QH117 QH118A QH118B QH118C
QH118D
           QH121 QH122_1 QH122_2 QH122_4 QH122_5 QH122A QH122B
QH122C QH123 DOMESTIC
  /ORDER=ANALYSIS.

FREQUENCIES VARIABLES=
       memsleep landarea
       h2oires h2oyrd h2opub h2obwell h2opwell h2oowell h2opspg
h2ouspg h2orain h2otruck h2ocart h2osurf h2obot h2ooth
           flushs flusht flushp flushe latvip latpits latpit
latcomp latpail lathang latbush latoth latshare
           dirtfloo woodfloo prqfloo vinlfloo tilefloo cemtfloo
rugfloo othfloo
           nowall natwall mudwall stomwall plywall cardwall
tinwall cmtwall stonwall brkwall cmtbwall woodwall othwall
           noroof natroof bambroof wproof cardroof tinroof
woodroof cerroof cmtroof shngroof othroof
           cookelec cooklpg cookgas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop cookdung cooknone cookoth
  /ORDER=ANALYSIS.

* Turn off weights before all factor analysis.
WEIGHT OFF.

save outfile="assets.sav".

**********************************.
*** Factor Analysis to Test Distribution of created variables.

FACTOR
  /VARIABLES QH110A QH110B QH110C QH110D QH110E QH110F QH110G
QH110H QH110I QH110J QH110K QH110L
    QH118A QH118B QH118C QH118D QH121 QH122_1 QH122_2 QH122_4
QH122_5 QH123 DOMESTIC
    memsleep landarea
    h2oires h2oyrd h2opub h2obwell h2opwell h2oowell h2opspg
h2orain h2otruck h2ocart h2osurf h2obot h2ooth
           flushs flusht flushp flushe latvip latpits latpit
latcomp latpail lathang latbush latshare
           dirtfloo woodfloo prqfloo tilefloo cemtfloo rugfloo
othfloo
           nowall natwall mudwall stomwall cardwall tinwall
cmtwall stonwall brkwall woodwall othwall
           noroof natroof bambroof wproof cardroof tinroof
woodroof cerroof cmtroof shngroof othroof
           cookelec cooklpg cookgas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop cookdung cooknone cookoth
  /MISSING MEANSUB
  /ANALYSIS QH110A QH110B QH110C QH110D QH110E QH110F QH110G
```

```
QH110H QH110I QH110J QH110K QH110L
    QH118A QH118B QH118C QH118D QH121 QH122_1 QH122_2 QH122_4
QH122_5 QH123 DOMESTIC
    memsleep landarea
    h2oires h2oyrd h2opub h2obwell h2opwell h2oowell h2opspg
h2orain h2otruck h2ocart h2osurf h2obot h2ooth
           flushs flusht flushp flushe latvip latpits latpit
latcomp latpail lathang latbush latshare
           dirtfloo woodfloo prqfloo tilefloo cemtfloo rugfloo
othfloo
           nowall natwall mudwall stomwall cardwall tinwall
cmtwall stonwall brkwall woodwall othwall
           noroof natroof bambroof wproof cardroof tinroof
woodroof cerroof cmtroof shngroof othroof
           cookelec cooklpg cookgas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop cookdung cooknone cookoth
  /PRINT UNIVARIATE INITIAL EXTRACTION
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.


**********************************.
*** Common Factor Analysis.

FILTER OFF.
USE ALL.
EXECUTE.

**** Redo removing area-specific variables ****.
* Bangladesh.
** Agricultural animal variables excluded.
** Any others ?.

FACTOR
  /VARIABLES QH110A QH110B QH110C QH110D QH110E QH110F QH110G
QH110H QH110I QH110J QH110K QH110L
    QH118A QH118B QH118C QH118D QH123 DOMESTIC
    memsleep landarea
    h2oires h2oyrd h2opub h2obwell h2opwell h2oowell h2opspg
h2orain h2otruck h2ocart h2osurf h2obot h2ooth
           flushs flusht flushp flushe latvip latpits latpit
latcomp latpail lathang latbush latshare
           dirtfloo woodfloo prqfloo tilefloo cemtfloo rugfloo
othfloo
           nowall natwall mudwall stomwall cardwall tinwall
cmtwall stonwall brkwall woodwall othwall
           noroof natroof bambroof wproof cardroof tinroof
woodroof cerroof cmtroof shngroof othroof
           cookelec cooklpg cookgas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop cookdung cooknone cookoth
```

```
  /MISSING MEANSUB
  /ANALYSIS QH110A QH110B QH110C QH110D QH110E QH110F QH110G
QH110H QH110I QH110J QH110K QH110L
    QH118A QH118B QH118C QH118D QH123 DOMESTIC
    memsleep landarea
    h2oires h2oyrd h2opub h2obwell h2opwell h2oowell h2opspg
h2orain h2otruck h2ocart h2osurf h2obot h2ooth
          flushs flusht flushp flushe latvip latpits latpit
latcomp latpail lathang latbush latshare
          dirtfloo woodfloo prqfloo tilefloo cemtfloo rugfloo
othfloo
          nowall natwall mudwall stomwall cardwall tinwall
cmtwall stonwall brkwall woodwall othwall
          noroof natroof bambroof wproof cardroof tinroof
woodroof cerroof cmtroof shngroof othroof
          cookelec cooklpg cookgas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop cookdung cooknone cookoth
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /SAVE REG(ALL COM)
  /METHOD=CORRELATION.


**  Urban Area.

USE ALL.
FILTER BY urban.
EXECUTE.


FACTOR
  /VARIABLES QH110A QH110B QH110C QH110D QH110E QH110F QH110G
QH110H QH110I QH110J QH110K QH110L
    QH118A QH118B QH118C QH118D QH123 DOMESTIC
    memsleep landarea
    h2oires h2oyrd h2opub h2obwell h2opwell h2oowell h2orain
h2otruck h2ocart h2osurf h2obot
          flushs flusht flushp flushe latvip latpits latpit
lathang latbush latshare
          dirtfloo woodfloo prqfloo tilefloo cemtfloo rugfloo
othfloo
          natwall mudwall stomwall cardwall tinwall cmtwall
stonwall brkwall woodwall othwall
          noroof natroof bambroof wproof tinroof woodroof
cerroof cmtroof shngroof othroof
          cookelec cooklpg cookgas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop cookdung cooknone cookoth
  /MISSING MEANSUB
  /ANALYSIS QH110A QH110B QH110C QH110D QH110E QH110F QH110G
QH110H QH110I QH110J QH110K QH110L
```

```
    QH118A QH118B QH118C QH118D QH123 DOMESTIC
    memsleep landarea
    h2oires h2oyrd h2opub h2obwell h2opwell h2oowell h2orain
h2otruck h2ocart h2osurf h2obot
           flushs flusht flushp flushe latvip latpits latpit
lathang latbush latshare
           dirtfloo woodfloo prqfloo tilefloo cemtfloo rugfloo
othfloo
           natwall mudwall stomwall cardwall tinwall cmtwall
stonwall brkwall woodwall othwall
           noroof natroof bambroof wproof tinroof woodroof
cerroof cmtroof shngroof othroof
           cookelec cooklpg cookgas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop cookdung cooknone cookoth
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /SAVE REG(ALL URB)
  /METHOD=CORRELATION.


** Rural Area.

USE ALL.
FILTER BY rural.
EXECUTE.


FACTOR
  /VARIABLES QH110A QH110B QH110C QH110D QH110E QH110F QH110G
QH110H QH110I QH110J QH110K QH110L
    QH118A QH118B QH118C QH118D QH121 QH122_1 QH122_2 QH122_4
QH122_5 QH123 DOMESTIC
    memsleep landarea
    h2oires h2oyrd h2opub h2obwell h2opwell h2oowell h2opspg
h2orain h2otruck h2osurf h2ooth
           flushs flusht flushp flushe latvip latpits latpit
latcomp latpail lathang latbush latshare
           dirtfloo woodfloo prqfloo tilefloo cemtfloo rugfloo
othfloo
           nowall natwall mudwall stomwall cardwall tinwall
cmtwall stonwall brkwall woodwall othwall
           noroof natroof bambroof wproof cardroof tinroof
woodroof cerroof cmtroof shngroof othroof
           cookelec cooklpg cookgas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop cookdung cooknone cookoth
  /MISSING MEANSUB
  /ANALYSIS QH110A QH110B QH110C QH110D QH110E QH110F QH110G
QH110H QH110I QH110J QH110K QH110L
    QH118A QH118B QH118C QH118D QH121 QH122_1 QH122_2 QH122_4
QH122_5 QH123 DOMESTIC
```

```
    memsleep landarea
    h2oires h2oyrd h2opub h2obwell h2opwell h2oowell h2opspg
h2orain h2otruck h2osurf h2ooth
          flushs flusht flushp flushe latvip latpits latpit
latcomp latpail lathang latbush latshare
          dirtfloo woodfloo prqfloo tilefloo cemtfloo rugfloo
othfloo
          nowall natwall mudwall stomwall cardwall tinwall
cmtwall stonwall brkwall woodwall othwall
          noroof natroof bambroof wproof cardroof tinroof
woodroof cerroof cmtroof shngroof othroof
          cookelec cooklpg cookgas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop cookdung cooknone cookoth
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /SAVE REG(ALL RUR)
  /METHOD=CORRELATION.



* Calculate regressions with total score.
** Urban Area.

USE ALL.
FILTER BY urban.
EXECUTE.

REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT COM1
  /METHOD=ENTER URB1.

** Rural Area.

USE ALL.
FILTER BY rural.
EXECUTE.

REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT COM1
  /METHOD=ENTER RUR1.

FILTER OFF.
```

```
USE ALL.
EXECUTE.


*** Calculate combined wealth score from Urban and Rural Scores.
compute combscor=0.
print formats combscor (F11.5).
write formats combscor (f11.5).
** Urban.
if (qhtype = 1) combscor=0.735+1.128* URB1.
** Rural.
if (qhtype = 2) combscor=(-0.383)+0.649* RUR1.
execute.

*Tabulation for histograms.
compute hhwt = qhweight/1000000.
VARIABLE LABELS hhwt 'HH weights' .
weight by hhwt.
filter off.
use all.

FREQUENCIES
  VARIABLES=combscor COM1 /FORMAT=NOTABLE
  /NTILES= 5
  /STATISTICS=STDDEV MEAN
  /HISTOGRAM  NORMAL
  /ORDER=ANALYSIS.

USE ALL.
FILTER BY urban.
EXECUTE.

FREQUENCIES
  VARIABLES=combscor URB1 /FORMAT=NOTABLE
  /NTILES= 5
  /STATISTICS=STDDEV MEAN
  /HISTOGRAM  NORMAL
  /ORDER=ANALYSIS.

USE ALL.
FILTER BY rural.
EXECUTE.

FREQUENCIES
  VARIABLES=combscor RUR1 /FORMAT=NOTABLE
  /NTILES= 5
  /STATISTICS=STDDEV MEAN
  /HISTOGRAM  NORMAL
  /ORDER=ANALYSIS.

FILTER OFF.
USE ALL.
```

```
EXECUTE.


*Calculate quintiles and scores for data file.
compute hhmemwt=qhweight*hhusual/1000000.
weight by hhmemwt.
VARIABLE LABELS hhmemwt 'HH members weighting for index'.

** Urban Area.
USE ALL.
FILTER BY urban.
EXECUTE.

RANK VARIABLES=urb1 (A) /RANK /NTILES (5) /PRINT=YES /TIES=MEAN.

** Rural Area.
USE ALL.
FILTER BY rural.
EXECUTE.

RANK VARIABLES=rur1 (A) /RANK /NTILES (5) /PRINT=YES /TIES=MEAN.

** National combined score.
FILTER OFF.
USE ALL.
EXECUTE.

RANK VARIABLES=combscor (A) /RANK /NTILES (5) /PRINT=YES
/TIES=MEAN.

FREQUENCIES
  VARIABLES=combscor
     /FORMAT=NOTABLE
  /NTILES=5
  /STATISTICS=STDDEV MINIMUM MAXIMUM MEAN MEDIAN MODE SKEWNESS
SESKEW KURTOSIS SEKURT
  /ORDER=ANALYSIS.

*** Check on quintiles.

frequencies variables=ncombsco.

weight by hhwt.

MEANS TABLES=
    QH110A QH110B QH110C QH110D QH110E QH110F QH110G QH110H
QH110I QH110J QH110K QH110L
    QH118A QH118B QH118C QH118D QH121 QH122_1 QH122_2 QH122_4
QH122_5 QH123 DOMESTIC
    memsleep landarea
    h2oires h2oyrd h2opub h2obwell h2opwell h2oowell h2opspg
h2orain h2otruck h2ocart h2osurf h2obot h2ooth
```

```
           flushs flusht flushp flushe latvip latpits latpit
latcomp latpail lathang latbush latshare
           dirtfloo woodfloo prqfloo tilefloo cemtfloo rugfloo
othfloo
           nowall natwall mudwall stomwall cardwall tinwall
cmtwall stonwall brkwall woodwall othwall
           noroof natroof bambroof wproof cardroof tinroof
woodroof cerroof cmtroof shngroof othroof
           cookelec cooklpg cookgas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop cookdung cooknone cookoth
    by Ncombsco
  /CELLS MEAN COUNT STDDEV.

WEIGHT OFF.

save outfile="assets.sav".

*** Write out scores file.
WRITE OUTFILE='scores.dat'
  TABLE
  /qhclust qhnumber combscor ncombsco urb1 nurb1 rur1 nrur1.
EXECUTE.
```