```
*  Egypt by Urban and Rural Areas.

SORT CASES BY hv025 .
SPLIT FILE
  LAYERED BY hv025 .

FREQUENCIES
  VARIABLES=hv201 hv202 hv205 hv206 hv207 hv208 hv209 hv210 hv211
hv212 hv213
  hv221 hv225 hv243a hv243b hv243c hv244 hv246 hv246a hv246b
hv246c hv246d
  hv246e hv246f hv246g hv246h hv246i hv246j hv246k hv247 sh101
sh102 sh117
  sh119c sh119d sh119e sh119h sh119i sh119j sh119k sh120 sh121
sh122b sh122c
  sh122d sh122e sh122f sh122g sh122h sh122i sh122j sh122k sh122l
sh122m sh123
  sh128
  /ORDER=  ANALYSIS .

FREQUENCIES
  VARIABLES=memroom h2oires h2oyrdr h2opub h2otube h2pbwell
h2powell h2pspng
  h2uspng h2osurf h2orain h2otrk h2ocrt h2obtl h2ooth flush1
flush2 flush3
  latvip latbush latpail latoth flush1s flush2s flush3s latvips
latoths
  dirtfloo woodfloo prqfloo vinfloo tilefloo ctilfloo cemtfloo
  rugfloo othfloo garbcol garbcon garbst garbwat garbfeed garboth
aptown
  aptrent hseown hserent othdwel garbbrn
  /ORDER=  ANALYSIS .

weight off.
SPLIT FILE
  OFF.

*  Rural Egypt.

USE ALL.
COMPUTE filter_$=(HV025=2).
VARIABLE LABEL filter_$ 'HV025=2 (FILTER)'.
VALUE LABELS filter_$  0 'Not Selected' 1 'Selected'.
FORMAT filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE .

FACTOR
  /VARIABLES hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv221
hv243a hv243b
  hv243c hv247 sh119c sh119d sh119e sh119h sh119i sh119j sh119k
sh120 sh122b
```

```
  sh122c sh122d sh122e sh122f sh122g sh122h sh122i sh122j sh122k
sh122l sh122m
  memroom h2oires h2oyrdr h2opub h2otube h2pbwell h2powell
h2pspng h2uspng
  h2osurf h2otrk h2ocrt h2obtl h2ooth flush1 flush2 flush3 latvip
  latbush latpail latoth flush1s flush2s flush3s latvips latoths
dirtfloo
  woodfloo prqfloo vinfloo tilefloo ctilfloo cemtfloo rugfloo
othfloo garbcol
  garbcon garbst garbwat garbfeed garboth aptown aptrent hseown
hserent
  othdwel garbbrn hv244 hv246 hv246a hv246b hv246c hv246d hv246e
hv246f hv246g
  hv246h hv246i hv246j hv246k sh128  /MISSING MEANSUB /ANALYSIS
hv206 hv207
  hv208 hv209 hv210 hv211 hv212 hv221 hv243a hv243b hv243c hv247
sh119c sh119d
  sh119e sh119h sh119i sh119j sh119k sh120 sh122b sh122c sh122d
sh122e sh122f
  sh122g sh122h sh122i sh122j sh122k sh122l sh122m memroom
h2oires h2oyrdr
  h2opub h2otube h2pbwell h2powell h2pspng h2uspng h2osurf h2otrk
  h2ocrt h2obtl h2ooth flush1 flush2 flush3 latvip latbush
latpail latoth
  flush1s flush2s flush3s latvips latoths dirtfloo woodfloo
prqfloo vinfloo
  tilefloo ctilfloo cemtfloo rugfloo othfloo garbcol garbcon
garbst garbwat
  garbfeed garboth aptown aptrent hseown hserent othdwel garbbrn
hv244 hv246
  hv246a hv246b hv246c hv246d hv246e hv246f hv246g hv246h hv246i
hv246j hv246k
  sh128
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /SAVE REG(ALL)
  /METHOD=CORRELATION .


compute hhmem=hv012.
if (hv012=0) hhmem=hv013.
if (hhmem<1 or missing(hhmem)) hhmem=1.
compute hhmemwt=hhmem*hv005/1000000.
weight by hhmemwt.
execute.

RANK
  VARIABLES=rurwlth  (A) /RANK /NTILES (5) /PRINT=YES
  /TIES=MEAN .
FREQUENCIES
```

```
  VARIABLES=rurwlth  /FORMAT=NOTABLE
  /NTILES= 5
  /STATISTICS=STDDEV MINIMUM MAXIMUM MEAN MEDIAN MODE
  /HISTOGRAM
  /ORDER=  ANALYSIS .

weight off.

* Curve Estimation.
TSET NEWVAR=NONE .
PREDICT THRU END.
CURVEFIT /VARIABLES=FAC1_1  WITH rurwlth
  /CONSTANT
  /MODEL=LINEAR LOGARITHMIC INVERSE QUADRATIC CUBIC COMPOUND
POWER S GROWTH
  EXPONENTIAL LGSTIC
  /UPPERBOUND=5
  /PRINT ANOVA
  /PLOT FIT.

* Urban Egypt.
USE ALL.
COMPUTE filter_$=(HV025=1).
VARIABLE LABEL filter_$ 'HV025=1 (FILTER)'.
VALUE LABELS filter_$  0 'Not Selected' 1 'Selected'.
FORMAT filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE .

weight off.

FACTOR
  /VARIABLES hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv221
hv243a hv243b
  hv243c hv247 sh119c sh119d sh119e sh119h sh119i sh119j sh119k
sh120 sh122b
  sh122c sh122d sh122e sh122f sh122g sh122h sh122i sh122j sh122k
sh122l sh122m
  memroom h2oires h2oyrdr h2opub h2otube h2pbwell h2pspng h2otrk
h2ocrt h2obtl h2ooth flush1 flush2 flush3 latvip
  latbush latpail latoth flush1s flush2s flush3s dirtfloo
  woodfloo prqfloo vinfloo tilefloo ctilfloo cemtfloo rugfloo
othfloo garbcol
  garbcon garbst garbwat garbfeed garboth aptown aptrent hseown
hserent
  othdwel garbbrn hv244 hv246 hv246a hv246b hv246c hv246d hv246e
hv246f hv246g
  hv246h hv246i hv246j hv246k sh128  /MISSING MEANSUB /ANALYSIS
hv206 hv207
  hv208 hv209 hv210 hv211 hv212 hv221 hv243a hv243b hv243c hv247
sh119c sh119d
  sh119e sh119h sh119i sh119j sh119k sh120 sh122b sh122c sh122d
```

```
sh122e sh122f
  sh122g sh122h sh122i sh122j sh122k sh122l sh122m memroom
h2oires h2oyrdr
  h2opub h2otube h2pbwell h2pspng h2otrk
  h2ocrt h2obtl h2ooth flush1 flush2 flush3 latvip latbush
latpail latoth
  flush1s flush2s flush3s dirtfloo woodfloo prqfloo vinfloo
  tilefloo ctilfloo cemtfloo rugfloo othfloo garbcol garbcon
garbst garbwat
  garbfeed garboth aptown aptrent hseown hserent othdwel garbbrn
hv244 hv246
  hv246a hv246b hv246c hv246d hv246e hv246f hv246g hv246h hv246i
hv246j hv246k
  sh128
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /SAVE REG(ALL)
  /METHOD=CORRELATION .

compute hhmem=hv012.
if (hv012=0) hhmem=hv013.
if (hhmem<1 or missing(hhmem)) hhmem=1.
compute hhmemwt=hhmem*hv005/1000000.
weight by hhmemwt.
execute.

RANK
  VARIABLES=urbwlth  (A) /RANK /NTILES (5) /PRINT=YES
  /TIES=MEAN .
FREQUENCIES
  VARIABLES=urbwlth  /FORMAT=NOTABLE
  /NTILES= 5
  /STATISTICS=STDDEV MINIMUM MAXIMUM MEAN MEDIAN MODE
  /HISTOGRAM
  /ORDER=  ANALYSIS .

weight off.

* Curve Estimation.
TSET NEWVAR=NONE .
PREDICT THRU END.
CURVEFIT /VARIABLES=FAC1_1  WITH urbwlth
  /CONSTANT
  /MODEL=LINEAR LOGARITHMIC INVERSE QUADRATIC CUBIC COMPOUND
POWER S GROWTH
  EXPONENTIAL LGSTIC
  /UPPERBOUND=5
  /PRINT ANOVA
  /PLOT FIT.
```

```
filter off.
use all.
compute comp1=0.
if (hv025=1) comp1= 0.597 + .848*urbwlth.
if (hv025=2) comp1= (-0.522) + 0.790*rurwlth.
var labels comp1 "Composite wealth score based on linear
regressions".

compute comp2=0.
if (hv025=1) comp2= 0.562 + .876*urbwlth+.033*(urbwlth**2) - .003
*(urbwlth**3).
if (hv025=2) comp2= (-0.580) + 0.798*rurwlth + 0.0608*(rurwlth**
2) + 0.005*(rurwlth**3) .
var labels comp2 "Composite wealth score based on cubic
regressions".

execute.
FREQUENCIES
  VARIABLES=comp1 comp2  /FORMAT=NOTABLE
  /STATISTICS=STDDEV MINIMUM MAXIMUM MEAN MEDIAN SKEWNESS SESKEW
KURTOSIS
  SEKURT
  /HISTOGRAM  NORMAL
  /ORDER=  ANALYSIS .

compute hhmem=hv012.
if (hv012=0) hhmem=hv013.
if (hhmem<1 or missing(hhmem)) hhmem=1.
compute hhmemwt=hhmem*hv005/1000000.
weight by hhmemwt.
execute.

RANK
  VARIABLES=comp2  (A) /RANK /NTILES (5) /PRINT=YES
  /TIES=MEAN .
FREQUENCIES
  VARIABLES=comp2  /FORMAT=NOTABLE
  /NTILES= 5
  /STATISTICS=STDDEV MINIMUM MAXIMUM MEAN MEDIAN MODE
  /HISTOGRAM
  /ORDER=  ANALYSIS .

weight off.

compute hhmem=hv012.
if (hv012=0) hhmem=hv013.
if (hhmem<1 or missing(hhmem)) hhmem=1.
compute hhmemwt=hhmem*hv005/1000000.
weight by hhmemwt.
execute.

SORT CASES BY hv025 .
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```
SPLIT FILE
  LAYERED BY hv025 .
CROSSTABS
  /TABLES=Ncomp2  BY NFAC1_1
  /FORMAT= AVALUE TABLES
  /CELLS= COUNT
  /COUNT ROUND CELL .
```