```
*{Construct Variables}.

*{Members per sleeping room}.
if (hv012=0) hv012=hv013.
if (qh515>0) memsleep=trunc(hv012/qh515).
if (qh515=0) memsleep=hv012.
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 (qh501=11) h2oires=1.
var labels h2oires "Piped into dwelling".
compute h2oyrd=0.
if (qh501=12) h2oyrd=1.
var labels h2oyrd "Piped into yard/plot".
compute h2opub=0.
if (qh501=13) h2opub=1.
var labels h2opub "Public tap / standpipe".
compute h2otube=0.
if (qh501=21) h2otube=1.
var labels h2otube "Tube well or borehole".
compute h2opdwell=0.
if (qh501=31) h2opdwell=1.
var labels h2opdwell "Protected dug well".
compute h2osdwell=0.
if (qh501=32) h2osdwell=1.
var labels h2osdwell "Semi-Protected dug well".
compute h2ouwell=0.
if (qh501=33) h2ouwell=1.
var labels h2ouwell "Unprotectd dug well".
compute h2opspg=0.
if (qh501=41) h2opspg=1.
var labels h2opspg "Protected Spring".
compute h2ospg=0.
if (qh501=42) h2ospg=1.
var labels h2ospg "UnprotectedSpring".

compute h2orain=0.
if (qh501=51) h2orain=1.
var labels h2orain "Water from rain".
compute h2otruck=0.
if (qh501=61) h2otruck=1.
var labels h2otruck "Water from tanker truck".
compute h2ocart=0.
if (qh501=71) h2ocart=1.
var labels h2ocart "Water from cart with small tank".
```

```
compute h2osurf=0.
if (qh501=81) h2osurf=1.
var labels h2osurf "Surface water-river, lake, dam, etc.".
compute h2obot=0.
if (qh501=91) h2obot=1.
var labels h2obot "Water from bottle".
compute h2ooth=0.
if (qh501=96) h2ooth=1.
var labels h2ooth "Other water source".

*{Toilet facility}.
compute flushs=0.
if (qh506=11) flushs=1.
var labels flushs "Flush toilet to sewer".
compute flusht=0.
if (qh506=12) flusht=1.
var labels flusht "Flush toilet to septic tank".
compute flushp=0.
if (qh506=13) flushp=1.
var labels flushp "Flush toilet to pit latrine".
compute flushe=0.
if (qh506=14) flushe=1.
var labels flushe "Flush toilet to elsewhere".
compute flushu=0.
if (qh506=15) flushu=1.
var labels flushu "Flush toilet to unknown".
compute fshare=0.
if (qh506=71) fshare=1.
var labels fshare "Shared/public toilet".
compute latvip=0.
if (qh506=21) latvip=1.
var labels latvip "VIP latrine".
compute latslab=0.
if (qh506=22) latslab=1.
var labels latslab "Pit latrine with slab".
compute latpit=0.
if (qh506=23) latpit=1.
var labels latpit "Traditional pit latrine no slab or open pit".
compute latcomp=0.
if (qh506=31) latcomp=1.
var labels latcomp "Composting toilet".
compute latpail=0.
if (qh506=41) latpail=1.
var labels latpail "Bucket toilet".
compute lathang=0.
if (qh506=51) lathang=1.
var labels lathang "Hanging toilet/latrine".
compute latbush=0.
if (qh506=61) latbush=1.
var labels latbush "No facility yard/bush/forest".
compute latoth=0.
if (qh506=96) latoth=1.
```

```
var labels latoth 'Other type of latrine/toilet'.

compute latshare=0.
if (qh507=1) latshare=1.
var labels latshare "Shares toilet with other households".

compute sflushs=0.
compute sflusht=0.
compute sflushp=0.
compute sflushe=0.
compute sflushu=0.
compute slatvip=0.
compute slatslab=0.
compute slatpit=0.
compute slatcomp=0.
compute slatpail=0.
compute slathang=0.
compute slatoth=0.

var labels sflushs "Shared Flush toilet to sewer".
var labels sflusht "Shared Flush toilet to septic tank".
var labels sflushp "Shared Flush toilet to pit latrine".
var labels sflushe "Shared Flush toilet to elsewhere".
var labels sflushu "Shared Flush toilet to unknown".
var labels slatvip "Shared VIP latrine".
var labels slatslab "Shared Pit latrine with slab".
var labels slatpit "Shared Traditional pit latrine no slab or
open pit".
var labels slatcomp "Shared Composting toilet".
var labels slatpail "Shared Bucket toilet".
var labels slathang "Shared Hanging toilet/latrine".
var labels slatoth 'Shared Other type of latrine/toilet'.


do if latshare=1.
 if (qh506=11) sflushs=1.
 if (qh506=12) sflusht=1.
 if (qh506=13) sflushp=1.
 if (qh506=14) sflushe=1.
 if (qh506=15) sflushu=1.
 if (qh506=21) slatvip=1.
 if (qh506=22) slatslab=1.
 if (qh506=23) slatpit=1.
 if (qh506=31) slatcomp=1.
 if (qh506=41) slatpail=1.
 if (qh506=51) slathang=1.
 if (qh506=96) slatoth=1.
end if.

*{Flooring}.
compute dirtfloo=0.
if (qh511=11) dirtfloo=1.
```

```
var labels dirtfloo "Earth, sand, dung floor".
compute woodfloo=0.
if (qh511=12 or qh511=22) woodfloo=1.
var labels woodfloo "Rudimentary wood plank, palm, bamboo floor".
compute prqfloo=0.
if (qh511=31) prqfloo=1.
var labels prqfloo "Polished wood floor".
compute vinlfloo=0.
if (qh511=32) vinlfloo=1.
var labels vinlfloo "Vinyl, asphalt strips floor".
compute tilefloo=0.
if (qh511=33) tilefloo=1.
var labels tilefloo "Tile floor".
compute cemtfloo=0.
if (qh511=34) cemtfloo=1.
var labels cemtfloo "Cement/brick floor".
compute rugfloo=0.
if (qh511=35) rugfloo=1.
var labels rugfloo "Carpeted floor".
compute marbfloo=0.
if (qh511=36) marbfloo=1.
var labels marbfloo "Marble flooring".
compute othfloo=0.
if (qh511=96) othfloo=1.
var labels othfloo "Other type of flooring".

*{Walls}.
compute natwall=0.
if (qh513=11 or qh513=12) natwall=1.
var labels natwall "Cane/palm/trunks or mud walls".
compute bambwall=0.
if (qh513=21) bambwall=1.
var labels bambwall "Bamboo with mud walls".
compute stonwall=0.
if (qh513=22) stonwall=1.
var labels stonwall "Stone with mud walls".
compute adobwall=0.
if (qh513=23) adobwall=1.
var labels adobwall "Uncovered adobe walls".
compute plywall=0.
if (qh513=24) plywall=1.
var labels plywall "Plywood walls".
compute reusewall=0.
if (qh513=25) reusewall=1.
var labels reusewall "Reused, makeshift, cardboard walls".
compute cemtwall=0.
if (qh513=31) cemtwall=1.
var labels cemtwall "Cement walls".
compute stoncwall=0.
if (qh513=32) stoncwall=1.
var labels stoncwall "Stone with lime/cement walls".
compute brkwall=0.
```

```
if (qh513=33) brkwall=1.
var labels brkwall "Baked brick walls".
compute blockwall=0.
if (qh513=34) blockwall=1.
var labels blockwall "Cement block walls".
compute cadobwall=0.
if (qh513=35) cadobwall=1.
var labels cadobwall "Covered adobe walls".
compute woodwall=0.
if (qh513=36) woodwall=1.
var labels woodwall "Wood planks, shingles walls".
compute metalwall=0.
if (qh513=37) metalwall=1.
var labels metalwall "Galvanized iron/aluminum walls".
compute othwall=0.
if (qh513=96) othwall=1.
var labels othwall "Other type of walls".

*{Roofing}.
compute noroof=0.
if (qh512=11) noroof=1.
var labels noroof "No roof".
compute natroof=0.
if (qh512=12 or qh512=13) natroof=1.
var labels natroof "Thatch/palm/sod roof".
compute matroof=0.
if (qh512=21) matroof=1.
var labels matroof "Rustic mat roof".
compute bambroof=0.
if (qh512=22) bambroof=1.
var labels bambroof "Bamboo roof".
compute planksroof=0.
if (qh512=23) planksroof=1.
var labels planksroof "Wood planks roof".
compute cardroof=0.
if (qh512=24) cardroof=1.
var labels cardroof "Cardboard roof".
compute metroof=0.
if (qh512=31) metroof=1.
var labels metroof "Metal/zinc roof".
compute woodroof=0.
if (qh512=32) woodroof=1.
var labels woodroof "Wood roof".
compute calroof=0.
if (qh512=33) calroof=1.
var labels calroof "Calamine, cement fiber roof".
compute tileroof=0.
if (qh512=34) tileroof=1.
var labels tileroof "Tile roof".
compute cmtroof=0.
if (qh512=35) cmtroof=1.
var labels cmtroof "Concrete roof".
```

```
compute shngroof=0.
if (qh512=36) shngroof=1.
var labels shngroof "Shingles roof".
compute othroof=0.
if (qh512=96) othroof=1.
var labels othroof "Other type of roof".

*{Cooking Fuel}.
compute cookelec=0.
if (qh508=1) cookelec=1.
var labels cookelec "Electricity for cooking".
compute cooklpg=0.
if (qh508=2) cooklpg=1.
var labels cooklpg "LPG for cooking".
compute cookngas=0.
if (qh508=3) cookngas=1.
var labels cookngas "Natural gas for cooking".
compute cookbio=0.
if (qh508=4) cookbio=1.
var labels cookbio "Biogas for cooking".
compute cookkero=0.
if (qh508=5) cookkero=1.
var labels cookkero "Kerosene for cooking".
compute cookcoal=0.
if (qh508=6) cookcoal=1.
var labels cookcoal "Coal for cooking".
compute cookchar=0.
if (qh508=7) cookchar=1.
var labels cookchar "Charcoal for cooking".
compute cookwood=0.
if (qh508=8) cookwood=1.
var labels cookwood "Wood for cooking".
compute cookstraw=0.
if (qh508=9) cookstraw=1.
var labels cookstraw "Straw for cooking".
compute cookcrop=0.
if (qh508=10) cookcrop=1.
var labels cookcrop "Agricultural crop for cooking".
compute cookdung=0.
if (qh508=11) cookdung=1.
var labels cookdung "Dung for cooking".
compute cooknone=0.
if (qh508=95) cooknone=1.
var labels cooknone 'Does not cook'.
compute cookoth=0.
if (qh508=96) cookoth=1.
var labels cookoth "Other fuel for cooking".

*{Reset missing values to "does not have", change 2 code to 0}.

if (qh516a<>1) qh516a=0.
if (qh516b<>1) qh516b=0.
```

```
if (qh516c<>1) qh516c=0.
if (qh516d<>1) qh516d=0.
if (qh516e<>1)  qh516e=0.
if (qh516f<>1) qh516f=0.
if (qh516g<>1) qh516g=0.
if (qh516h<>1) qh516h=0.
if (qh516i<>1) qh516i=0.
if (qh516j<>1) qh516j=0.

if (qh517a<>1) qh517a=0.
if (qh517b<>1) qh517b=0.
if (qh517c<>1) qh517c=0.
if (qh517d<>1) qh517d=0.
if (qh517e<>1) qh517e=0.
if (qh517f<>1)  qh517f=0.
if (qh517g<>1)  qh517g=0.

if (qh518<>1) qh518=0.

*  Lot tenure.

compute ownlot=0.
if (qh514=1) ownlot=1.
var labels ownlot 'Owned lot or with mortgage'.
compute rentlot=0.
if (qh514=2) rentlot=1.
var labels rentlot 'Rented lot'.
compute freelot=0.
if (qh514=3)  freelot=1.
var labels freelot 'Free of rent with owner consent'.
compute ocuplot=0.
if (qh514=4) ocuplot=1.
var labels ocuplot 'Occupied rent free without owner consent'.


*{Solid waste/garbage collection}.

* Area of dwelling.

execute.


FREQUENCIES VARIABLES=QH501 QH506 QH507 QH508 QH511 QH512 QH513
QH514 QH515 QH516A QH516B QH516C
    QH516D QH516E QH516F QH516G QH516H QH516I QH516J QH517A
QH517B QH517C QH517D QH517E QH517F QH517G
    QH518 HOUSE LAND
  /ORDER=ANALYSIS.



FREQUENCIES VARIABLES=memsleep h2oires h2oyrd h2opub h2otube
```

```
h2opdwell h2osdwell h2ouwell h2opspg
    h2ospg h2orain h2otruck h2ocart h2osurf h2obot h2ooth flushs
flusht flushp flushe flushu fshare
    latvip latslab latpit latcomp latpail lathang latbush latoth
latshare sflushs sflusht sflushp
    sflushe sflushu slatvip slatslab slatpit slatcomp slatpail
slathang slatoth dirtfloo woodfloo
    prqfloo vinlfloo tilefloo cemtfloo rugfloo marbfloo othfloo
natwall bambwall stonwall adobwall
    plywall reusewall cemtwall stoncwall brkwall blockwall
cadobwall woodwall metalwall othwall noroof
    natroof matroof bambroof planksroof cardroof metroof woodroof
calroof tileroof cmtroof shngroof
    othroof cookelec cooklpg cookngas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop
    cookdung cooknone cookoth ownlot rentlot freelot ocuplot
  /ORDER=ANALYSIS.


save outfile="c:\hnp2a\Philippines2013\ph13assets.sav".

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

FACTOR
  /VARIABLES  QH516A QH516B QH516C
    QH516D QH516E QH516F QH516G QH516H QH516I QH516J QH517A
QH517B QH517C QH517D QH517E QH517F QH517G
    QH518 HOUSE LAND
    memsleep h2oires h2oyrd h2opub h2otube h2opdwell h2osdwell
h2ouwell h2opspg
    h2ospg h2orain h2otruck h2ocart h2osurf h2obot h2ooth flushs
flusht flushp flushe flushu fshare
    latvip latslab latpit latcomp latpail lathang latbush latoth
sflushs sflusht sflushp
    sflushe sflushu slatvip slatslab slatpit slatcomp slatpail
slathang slatoth dirtfloo woodfloo
    prqfloo vinlfloo tilefloo cemtfloo rugfloo marbfloo othfloo
natwall bambwall stonwall adobwall
    plywall reusewall cemtwall stoncwall brkwall blockwall
cadobwall woodwall metalwall othwall noroof
    natroof matroof bambroof planksroof cardroof metroof woodroof
calroof tileroof cmtroof shngroof
    othroof cookelec cooklpg cookngas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop
    cookdung cooknone ownlot rentlot freelot ocuplot
  /MISSING MEANSUB
  /ANALYSIS QH516A QH516B QH516C
    QH516D QH516E QH516F QH516G QH516H QH516I QH516J QH517A
QH517B QH517C QH517D QH517E QH517F QH517G
    QH518 HOUSE LAND
    memsleep h2oires h2oyrd h2opub h2otube h2opdwell h2osdwell
```

```
h2ouwell h2opspg
    h2ospg h2orain h2otruck h2ocart h2osurf h2obot h2ooth flushs
flusht flushp flushe flushu fshare
    latvip latslab latpit latcomp latpail lathang latbush latoth
sflushs sflusht sflushp
    sflushe sflushu slatvip slatslab slatpit slatcomp slatpail
slathang slatoth dirtfloo woodfloo
    prqfloo vinlfloo tilefloo cemtfloo rugfloo marbfloo othfloo
natwall bambwall stonwall adobwall
    plywall reusewall cemtwall stoncwall brkwall blockwall
cadobwall woodwall metalwall othwall noroof
    natroof matroof bambroof planksroof cardroof metroof woodroof
calroof tileroof cmtroof shngroof
    othroof cookelec cooklpg cookngas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop
    cookdung cooknone ownlot rentlot freelot ocuplot
        /PRINT UNIVARIATE INITIAL CORRELATION 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 ****.
weight off.
FACTOR
 /VARIABLES QH516A QH516B QH516C
    QH516D QH516E QH516F QH516G QH516H QH516I QH516J QH517A
QH517B QH517C QH517D QH517E QH517F QH517G
    QH518 HOUSE LAND
    memsleep h2oires h2oyrd h2opub h2otube h2opdwell h2osdwell
h2ouwell h2opspg
    h2ospg h2orain h2otruck h2ocart h2osurf h2obot h2ooth flushs
flusht flushp flushe flushu fshare
    latvip latslab latpit latcomp latpail lathang latbush latoth
sflushs sflusht sflushp
    sflushe sflushu slatvip slatslab slatpit slatcomp slatpail
slathang slatoth dirtfloo woodfloo
    prqfloo vinlfloo tilefloo cemtfloo rugfloo marbfloo othfloo
natwall bambwall stonwall adobwall
    plywall reusewall cemtwall stoncwall brkwall blockwall
cadobwall woodwall metalwall othwall noroof
    natroof matroof bambroof planksroof cardroof metroof woodroof
calroof tileroof cmtroof shngroof
    othroof cookelec cooklpg cookngas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop
```

```
    cookdung cooknone ownlot rentlot freelot ocuplot
  /MISSING MEANSUB
  /ANALYSIS QH516A QH516B QH516C
    QH516D QH516E QH516F QH516G QH516H QH516I QH516J QH517A
QH517B QH517C QH517D QH517E QH517F QH517G
    QH518 HOUSE LAND
    memsleep h2oires h2oyrd h2opub h2otube h2opdwell h2osdwell
h2ouwell h2opspg
    h2ospg h2orain h2otruck h2ocart h2osurf h2obot h2ooth flushs
flusht flushp flushe flushu fshare
    latvip latslab latpit latcomp latpail lathang latbush latoth
sflushs sflusht sflushp
    sflushe sflushu slatvip slatslab slatpit slatcomp slatpail
slathang slatoth dirtfloo woodfloo
    prqfloo vinlfloo tilefloo cemtfloo rugfloo marbfloo othfloo
natwall bambwall stonwall adobwall
    plywall reusewall cemtwall stoncwall brkwall blockwall
cadobwall woodwall metalwall othwall noroof
    natroof matroof bambroof planksroof cardroof metroof woodroof
calroof tileroof cmtroof shngroof
    othroof cookelec cooklpg cookngas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop
    cookdung cooknone ownlot rentlot freelot ocuplot
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /SAVE REG(ALL com)
  /METHOD=CORRELATION.

weight off.

** Standard wealth index for DHS by urban and rural areas.


**  Urban Areas.

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

WEIGHT
  OFF.


FACTOR
   /VARIABLES QH516A QH516B QH516C
    QH516D QH516E QH516F QH516G QH516H QH516I QH516J QH517A
```

```
QH517B QH517C QH517D QH517E QH517F QH517G
    QH518 HOUSE LAND
    memsleep h2oires h2oyrd h2opub h2otube h2opdwell h2osdwell
h2ouwell h2opspg
    h2ospg h2orain h2otruck h2osurf h2obot h2ooth flushs flusht
flushp flushe flushu fshare
    latvip latslab latpit latcomp latpail lathang latbush latoth
sflushs sflusht sflushp
    sflushe sflushu slatslab slatpit slatpail slathang slatoth
dirtfloo woodfloo
    prqfloo vinlfloo tilefloo cemtfloo rugfloo marbfloo natwall
bambwall stonwall adobwall
    plywall reusewall cemtwall stoncwall brkwall blockwall
cadobwall woodwall metalwall othwall noroof
    natroof matroof bambroof planksroof cardroof metroof woodroof
calroof tileroof cmtroof shngroof
    othroof cookelec cooklpg cookngas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop
    cooknone ownlot rentlot freelot ocuplot
  /MISSING MEANSUB
  /ANALYSIS QH516A QH516B QH516C
    QH516D QH516E QH516F QH516G QH516H QH516I QH516J QH517A
QH517B QH517C QH517D QH517E QH517F QH517G
    QH518 HOUSE LAND
    memsleep h2oires h2oyrd h2opub h2otube h2opdwell h2osdwell
h2ouwell h2opspg
    h2ospg h2orain h2otruck h2osurf h2obot h2ooth flushs flusht
flushp flushe flushu fshare
    latvip latslab latpit latcomp latpail lathang latbush latoth
sflushs sflusht sflushp
    sflushe sflushu slatslab slatpit slatpail slathang slatoth
dirtfloo woodfloo
    prqfloo vinlfloo tilefloo cemtfloo rugfloo marbfloo natwall
bambwall stonwall adobwall
    plywall reusewall cemtwall stoncwall brkwall blockwall
cadobwall woodwall metalwall othwall noroof
    natroof matroof bambroof planksroof cardroof metroof woodroof
calroof tileroof cmtroof shngroof
    othroof cookelec cooklpg cookngas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop
    cooknone ownlot rentlot freelot ocuplot
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /SAVE REG(ALL URB)
  /METHOD=CORRELATION.


** Rural Area.

USE ALL.
```

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


FACTOR
  /VARIABLES QH516A QH516B QH516C
    QH516D QH516E QH516F QH516G QH516H QH516I QH516J QH517A
QH517B QH517C QH517D QH517E QH517F QH517G
    QH518 HOUSE LAND
    memsleep h2oires h2oyrd h2opub h2otube h2opdwell h2osdwell
h2ouwell h2opspg
    h2ospg h2orain h2otruck h2ocart h2osurf h2obot h2ooth flushs
flusht flushp flushe flushu fshare
    latvip latslab latpit latcomp latpail lathang latbush latoth
sflushs sflusht sflushp
    sflushe sflushu slatvip slatslab slatpit slatcomp slathang
slatoth dirtfloo woodfloo
    prqfloo vinlfloo tilefloo cemtfloo rugfloo marbfloo othfloo
natwall bambwall stonwall adobwall
    plywall reusewall cemtwall stoncwall brkwall blockwall
cadobwall woodwall metalwall othwall noroof
    natroof matroof bambroof planksroof cardroof metroof woodroof
calroof tileroof cmtroof shngroof
    cookelec cooklpg cookngas cookbio cookkero cookcoal cookchar
cookwood cookstraw cookcrop
    cookdung cooknone ownlot rentlot freelot ocuplot
  /MISSING MEANSUB
  /ANALYSIS QH516A QH516B QH516C
    QH516D QH516E QH516F QH516G QH516H QH516I QH516J QH517A
QH517B QH517C QH517D QH517E QH517F QH517G
    QH518 HOUSE LAND
    memsleep h2oires h2oyrd h2opub h2otube h2opdwell h2osdwell
h2ouwell h2opspg
    h2ospg h2orain h2otruck h2ocart h2osurf h2obot h2ooth flushs
flusht flushp flushe flushu fshare
    latvip latslab latpit latcomp latpail lathang latbush latoth
sflushs sflusht sflushp
    sflushe sflushu slatvip slatslab slatpit slatcomp slathang
slatoth dirtfloo woodfloo
    prqfloo vinlfloo tilefloo cemtfloo rugfloo marbfloo othfloo
natwall bambwall stonwall adobwall
    plywall reusewall cemtwall stoncwall brkwall blockwall
cadobwall woodwall metalwall othwall noroof
    natroof matroof bambroof planksroof cardroof metroof woodroof
calroof tileroof cmtroof shngroof
    cookelec cooklpg cookngas cookbio cookkero cookcoal cookchar
cookwood cookstraw cookcrop
    cookdung cooknone ownlot rentlot freelot ocuplot
```

```
  /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.
COMPUTE filter_$=(qhtype = 1).
VARIABLE LABEL filter_$ 'qhtype = 1 (FILTER)'.
VALUE LABELS filter_$  0 'Not Selected' 1 'Selected'.
FORMAT filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE .


REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT com1
  /METHOD=ENTER URB1  .

** Rural Area.

USE ALL.
COMPUTE filter_$=(qhtype = 2).
VARIABLE LABEL filter_$ 'qhtype = 2 (FILTER)'.
VALUE LABELS filter_$  0 'Not Selected' 1 'Selected'.
FORMAT filter_$ (f1.0).
FILTER BY filter_$.
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).
** Urban.
if (qhtype = 1) combscor=0.45768+0.85040* URB1.
** Rural.
if (qhtype = 2) combscor=(-0.33450)+0.96577* RUR1.
execute.


*Calculate quintiles and scores for data file.
compute hhmemwt=qhweight*hv012/1000000.
weight by hhmemwt.
VARIABLE LABELS hhmemwt 'HH members weighting for Index' .

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

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

** Rural Area.

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

frequencies variables=ncombsco.

compute hhwt=qhweight/1000000.
weight by hhwt.
VARIABLE LABELS hhwt 'HH weights' .

MEANS TABLES= QH516A QH516B QH516C
    QH516D QH516E QH516F QH516G QH516H QH516I QH516J QH517A
QH517B QH517C QH517D QH517E QH517F QH517G
    QH518 HOUSE LAND
    memsleep h2oires h2oyrd h2opub h2otube h2opdwell h2osdwell
h2ouwell h2opspg
    h2ospg h2orain h2otruck h2ocart h2osurf h2obot h2ooth flushs
flusht flushp flushe flushu fshare
    latvip latslab latpit latcomp latpail lathang latbush latoth
sflushs sflusht sflushp
    sflushe sflushu slatvip slatslab slatpit slatcomp slatpail
slathang slatoth dirtfloo woodfloo
    prqfloo vinlfloo tilefloo cemtfloo rugfloo marbfloo othfloo
natwall bambwall stonwall adobwall
    plywall reusewall cemtwall stoncwall brkwall blockwall
cadobwall woodwall metalwall othwall noroof
    natroof matroof bambroof planksroof cardroof metroof woodroof
calroof tileroof cmtroof shngroof
    othroof cookelec cooklpg cookngas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop
    cookdung cooknone ownlot rentlot freelot ocuplot
    by Ncombsco, nurb1, nrur1
  /CELLS MEAN COUNT STDDEV.


compute hv271=combscor.
compute hv270=ncombsco.

save outfile="c:\hnp2a\Philippines2013\PH13assets.sav".

WEIGHT
  OFF.


compute hhwt=qhweight/1000000.
weight by hhwt.
```

```
GRAPH
  /HISTOGRAM(NORMAL)=combscor
  /TITLE= 'Distribution of Households by Wealth Scores
Philippines 2013'.
FREQUENCIES
  VARIABLES=combscor  /FORMAT=NOTABLE
  /NTILES= 5
  /STATISTICS=STDDEV MINIMUM MAXIMUM SEMEAN MEAN MEDIAN MODE
SKEWNESS SESKEW
  KURTOSIS SEKURT
  /ORDER=  ANALYSIS .


weight by hhmemwt.

GRAPH
  /HISTOGRAM(NORMAL)=combscor
  /TITLE= 'Distribution of Household Population by Wealth Scores
Philippines 2013'.
FREQUENCIES
  VARIABLES=combscor  /FORMAT=NOTABLE
  /NTILES= 5
  /STATISTICS=STDDEV MINIMUM MAXIMUM SEMEAN MEAN MEDIAN MODE
SKEWNESS SESKEW
  KURTOSIS SEKURT
  /ORDER=  ANALYSIS .

write formats combscor urb1 rur1 (f11.5).

WRITE OUTFILE='c:\hnp2a\Philippines2013\ph13scores.dat'
  TABLE
  /qhclust qhnumber combscor ncombsco urb1 nurb1 rur1 nrur1.
EXECUTE.

save outfile="c:\hnp2a\Philippines2013\PH13assets.sav".




FREQUENCIES VARIABLES=memsleep h2oires h2oyrd h2opub h2otube
h2opdwell h2osdwell h2ouwell h2opspg
    h2ospg h2orain h2otruck h2ocart h2osurf h2obot h2ooth flushs
flusht flushp flushe flushu fshare
    latvip latslab latpit latcomp latpail lathang latbush latoth
latshare sflushs sflusht sflushp
    sflushe sflushu slatvip slatslab slatpit slatcomp slatpail
slathang slatoth dirtfloo woodfloo
    prqfloo vinlfloo tilefloo cemtfloo rugfloo marbfloo othfloo
natwall bambwall stonwall adobwall
```

```
    plywall reusewall cemtwall stoncwall brkwall blockwall
cadobwall woodwall metalwall othwall noroof
    natroof matroof bambroof planksroof cardroof metroof woodroof
calroof tileroof cmtroof shngroof
    othroof cookelec cooklpg cookngas cookbio cookkero cookcoal
cookchar cookwood cookstraw cookcrop
    cookdung cooknone cookoth ownlot rentlot freelot ocuplot
  /ORDER=ANALYSIS.
```