

\*\* For Congo Democratic Republic 2013 .  
 \*{Construct Variables}.

compute husual=hv012.  
 compute hhslept=hv013.

\*{Members per sleeping room}.  
 if (husual=0) husual=hhslept.  
 if (qh117>0) memsleep=trunc(husual/qh117).  
 if (qh117=0) memsleep=husual.  
 if (memsleep>=98) memsleep=98.  
 if (missing(qh117) or qh117>=99) memsleep=\$sysmis.  
 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 h2onei=0.  
 if (qh102=14) h2onei=1.  
 variable labels h2onei "Neighbor's piped source".  
 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).

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*{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 flushes=0.
if (qh107=14 or qh107=15) flushes=1.
variable labels flushes "Flush toilet to elsewhere or to unknown".
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 flushes 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).

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compute sflushs=0.
var labels sflushs "Shared Flush toilet to sewer".
compute sflusht=0.
var labels sflusht "Shared Flush toilet to septic tank".
compute sflushp=0.
var labels sflushp "Shared Flush toilet to pit latrine".
compute sflushes=0.
var labels sflushes "Shared Flush toilet to elsewhere".
compute slatvip=0.
var labels slatvip "Shared VIP latrine".
compute slatpits=0.
var labels slatpits "Shared Pit latrine with washable slab".
compute slatpitn=0.
var labels slatpitn "Shared Pit latrine with non-washable slab".
compute slatpit=0.
var labels slatpit "Shared Traditional pit latrine".

```

cd13assets. sps

```
compute slatcomp=0.
var labels slatcomp "Shared composting latrine".
compute slathang=0.
var labels slathang "Shared hanging latrine".
compute slatoth=0.
var labels slatoth 'Other type of latrine/toilet'.

do if (latshare=1).
  if (qh107=11) sfl ushs=1.
  if (qh107=12) sfl usht=1.
  if (qh107=13) sfl ushp=1.
  if (qh107=14 or qh107=15) sfl ushe=1.
  if (qh107=21) slatvip=1.
  if (qh107=22) slatpits=1.
  if (qh107=23) slatpitn=1.
  if (qh107=24) slatpit=1.
  if (qh107=31) slatcomp=1.
  if (qh107=51) slathang=1.
  if (qh107=96) slatoth=1.
end if.

*{Flooring}.
compute dirtfl oo=0.
if (qh114=11 or qh114=12) dirtfl oo=1.
variable labels dirtfl oo "Earth, sand, dung floor".
compute woodfl oo=0.
if (qh114=21 or qh114=22) woodfl oo=1.
variable labels woodfl oo "Rudimentary wood plank, palm, bamboo floor".
compute prqfl oo=0.
if (qh114=31) prqfl oo=1.
variable labels prqfl oo "Polished wood floor".
compute vinylfl oo=0.
if (qh114=32) vinylfl oo=1.
variable labels vinylfl oo "Vinyl, asphalt strip floor".
compute tilefl oo=0.
if (qh114=33) tilefl oo=1.
variable labels tilefl oo "Ceramic tile floor".
compute centfl oo=0.
if (qh114=34) centfl oo=1.
variable labels centfl oo "Cement floor".
compute rugfl oo=0.
if (qh114=35) rugfl oo=1.
variable labels rugfl oo "Carpeted floor".
compute othfl oo=0.
if (qh114=96) othfl oo=1.
variable labels othfl oo "Other type of flooring".
formats dirtfl oo woodfl oo prqfl oo vinylfl oo tilefl oo centfl oo rugfl oo othfl oo (f1.0).

*{Roofing}.
compute noroof=0.
if (qh115=11) noroof=1.
variable labels noroof "No roof".
compute natroof=0.
if (qh115=12 or qh115=13) natroof=1.
variable labels natroof "Thatch, palm, sod roof".
compute matroof=0.
if (qh115=21) matroof=1.
variable labels matroof "Rustic mat roof".
compute bambroof=0.
if (qh115=22) bambroof=1.
variable labels bambroof "Palm / bamboo roof".
compute wproof=0.
if (qh115=23) wproof=1.
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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 "Metal roof".
compute woodroof=0.
if (qh115=32) woodroof=1.
variable labels woodroof "Wood roof".
compute calroof=0.
if (qh115=33) calroof=1.
variable labels calroof "Calamine, cement fiber 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 calroof cerroof
cmtroof shngroof othroof (f1.0).

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*{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 adobwall=0.
if (qh116=23) adobwall=1.
variable labels adobwall "Uncovered adobe 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 rwoodwall=0.
if (qh116=26) rwoodwall=1.
variable labels rwoodwall "Reused wood walls".
compute cmtwall=0.
if (qh116=31) cmtwall=1.
variable labels cmtwall "Cement walls".
compute stonwall=0.
if (qh116=32) stonwall=1.
variable labels stonwall "Stone walls with lime/cement".
compute brkwall=0.
if (qh116=33) brkwall=1.
variable labels brkwall "Baked brick walls".
compute cmtbwall=0.

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```
if (qh116=34) cmtbwall=1.
variable labels cmtbwall "Cement block walls".
compute cadobwall=0.
if (qh116=35) cadobwall=1.
variable labels cadobwall "Covered adobe 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 adobwall plywall cardwall rwoodwall cmtwall
stonwall brkwall cmtbwall cadobwall woodwall othwall (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 "Brush, twigs, straw for cooking".
compute cookcrop=0.
if (qh111=10) cookcrop=1.
variable labels cookcrop "Agricultural crop residue 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.
```

cd13assets. sps

```
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(qh110m) | qh110m<>1) qh110m=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 (missing(qh118e) | qh118e<>1) qh118e=0.
if (missing(qh118f) | qh118f<>1) qh118f=0.
if (missing(qh118g) | qh118g<>1) qh118g=0.
if (missing(qh118h) | qh118h<>1) qh118h=0.
if (missing(qh118i) | qh118i <>1) qh118i =0.
if (missing(qh118j) | qh118j <>1) qh118j =0.

if (not(missing(qh120)) & qh120 < 99.8) landarea=qh120.
if (qh120=95.0) landarea=95.
if (missing(qh119) | qh119<>1) landarea=0.
frequencies landarea.
```

```
if (missing(qh121) | qh121 <>1) qh121=0.
if (missing(qh122a) | qh121 <>1) qh122a=0.
if (missing(qh122b) | qh121 <>1) qh122b=0.
if (missing(qh122c) | qh121 <>1) qh122c=0.
if (missing(qh122d) | qh121 <>1) qh122d=0.
if (missing(qh122e) | qh121 <>1) qh122e=0.
if (missing(qh122f) | qh121<>1) qh122f=0.
if (missing(qh122g) | qh121<>1) qh122g=0.
```

missing values qh122a to qh122g (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 hv009 husual hhslept
QH102 QH107 QH108 QH110A QH110B QH110C QH110D QH110E QH110F QH110G QH110H QH110I
QH110J QH110K QH110L qh110m
QH111 QH114 QH115 QH116 QH117 QH118A QH118B QH118C QH118D qh118e
qh118f qh118g qh118h qh118i qh118j
qh119 qh120 QH121 QH122a QH122b QH122c QH122d QH122e QH122f QH122g
QH123 DOMESTIC house land
/ORDER=ANALYSIS.
```

```
FREQUENCIES VARIABLES=memsleep h2oi res h2oyrd h2opub h2onei h2obwell h2opwell
h2oowell h2opspg h2ouspg
h2otruck h2ocart h2osurf h2obot h2ooth flushs flusht flushp flushel atvip
```

```

latpi ts latpi t
  latcomp latpail lathang latbush latoth latshare sfl ushs sfl usht sfl ushp sfl ushe
slatvip slatpi ts
  slatpi tn slatcomp slathang slatoth dirtfl oo woodfl oo prqfl oo vi nl fl oo ti lefl oo
cemtfl oo
  rugfl oo othfl oo noroof natroof matroof bambroof wproof cardroof tinroof woodroof
cerroof
  cmtroof shngroof othroof nowall natwall mudwall stomwall adobwall plywall
cardwall rwoodwall
  cmtwall stonwall brkwall cmtbwall cadobwall woodwall othwall cookelec cooklpg
cookgas cookbio
  cookkero cookcoal cookchar cookwood cookstraw cooknone cookoth landarea urban
rural
/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 qh110m
           QH118A QH118B QH118C QH118D qh118e qh118f qh118g qh118h qh118i
qh118j
           qh120 QH122a QH122b QH122c QH122d QH122e QH122f QH122g QH123
DOMESTIC house land
  memsleep h2oi res h2oyrd h2opub h2onei h2obwell h2opwell h2oowell h2opspg h2ouspg
  h2otruck h2ocart h2osurf h2obot h2ooth flushs flusht flushp flushe latvip
latpi ts latpi t
  latcomp latpail lathang latbush latoth sfl ushs sfl usht sfl ushp sfl ushe slatvip
slatpi ts
  slatpi tn slatcomp slathang slatoth dirtfl oo woodfl oo vi nl fl oo ti lefl oo cemtfl oo
  rugfl oo othfl oo noroof natroof matroof bambroof wproof tinroof woodroof cerroof
  cmtroof shngroof othroof nowall natwall mudwall stomwall adobwall plywall
rwoodwall
  cmtwall stonwall brkwall cmtbwall cadobwall woodwall othwall cookelec cookbio
  cookkero cookcoal cookchar cookwood cookstraw cooknone cookoth landarea
/MISSING MEANSUB
/ANALYSIS QH110A QH110B QH110C QH110D QH110E QH110F QH110G QH110H QH110I QH110J
QH110K QH110L qh110m
           QH118A QH118B QH118C QH118D qh118e qh118f qh118g qh118h qh118i
qh118j
           qh120 QH122a QH122b QH122c QH122d QH122e QH122f QH122g QH123
DOMESTIC house land
  memsleep h2oi res h2oyrd h2opub h2onei h2obwell h2opwell h2oowell h2opspg h2ouspg
  h2otruck h2ocart h2osurf h2obot h2ooth flushs flusht flushp flushe latvip
latpi ts latpi t
  latcomp latpail lathang latbush latoth sfl ushs sfl usht sfl ushp sfl ushe slatvip
slatpi ts
  slatpi tn slatcomp slathang slatoth dirtfl oo woodfl oo vi nl fl oo ti lefl oo cemtfl oo
  rugfl oo othfl oo noroof natroof matroof bambroof wproof tinroof woodroof cerroof
  cmtroof shngroof othroof nowall natwall mudwall stomwall adobwall plywall
rwoodwall
  cmtwall stonwall brkwall cmtbwall cadobwall woodwall othwall cookelec cookbio
  cookkero cookcoal cookchar cookwood cookstraw cooknone cookoth landarea
/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 \*\*\*\*.

\*\* Agricultural animal variables excluded.

\*\* Any others ?.

FACTOR

/VARIABLES QH110A QH110B QH110C QH110D QH110E QH110F QH110G QH110H QH110I QH110J  
QH110K QH110L qh110m

QH118A QH118B QH118C QH118D qh118e qh118f qh118g qh118h qh118i

qh118j

QH123 DOMESTIC house land

memsleep h2oires h2oyrd h2opub h2onei h2obwell h2opwell h2oowel h2opspg h2ouspg  
h2otruck h2ocart h2osurf h2obot h2ooth flushs flusht flushp flushel atvip

latpits latpit

latcomp latpail lathang latbush latoth sflushs sflusht sflushp sflushel slatvip

slatpits

slatpitn slatcomp slathang slatoth dirtfloor woodfloor vinylfloor tilefloor cementfloor  
rugfloor othfloor noroof natroof matroof bambroof wproof tinroof woodroof cerroof  
cmtreeof shngroof othroof nowall natwall mudwall stomwall adobwall plywall

rwoodwall

cmtwall stonwall brkwall cmtbwall cadobwall woodwall othwall cookelec cookbio  
cookkero cookcoal cookchar cookwood cookstraw cooknone cookoth

/MISSING MEANSUB

/ANALYSIS QH110A QH110B QH110C QH110D QH110E QH110F QH110G QH110H QH110I QH110J  
QH110K QH110L qh110m

QH118A QH118B QH118C QH118D qh118e qh118f qh118g qh118h qh118i

qh118j

QH123 DOMESTIC house land

memsleep h2oires h2oyrd h2opub h2onei h2obwell h2opwell h2oowel h2opspg h2ouspg  
h2otruck h2ocart h2osurf h2obot h2ooth flushs flusht flushp flushel atvip

latpits latpit

latcomp latpail lathang latbush latoth sflushs sflusht sflushp sflushel slatvip

slatpits

slatpitn slatcomp slathang slatoth dirtfloor woodfloor vinylfloor tilefloor cementfloor  
rugfloor othfloor noroof natroof matroof bambroof wproof tinroof woodroof cerroof  
cmtreeof shngroof othroof nowall natwall mudwall stomwall adobwall plywall

rwoodwall

cmtwall stonwall brkwall cmtbwall cadobwall woodwall othwall cookelec cookbio  
cookkero cookcoal cookchar cookwood cookstraw 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 qh110m

QH118A QH118B QH118C QH118D qh118e qh118f qh118g qh118h qh118i

qh118j

QH122a QH122b QH122c QH122d QH122e QH122f QH122g QH123 DOMESTIC

house land

memsleep h2oi res h2oyrd h2opub h2onei h2obwell h2opwell h2oowell h2opspg h2ouspg  
h2ocart h2osurf h2obot h2ooth flushs flusht flushp flushes latvip latpits latpit  
latcomp latpail latbush latoth sflushs sflushst sflushp sflushes slatvip slatpits  
slatpitn slatoth dirtfl oo woodfl oo vinyl fl oo tilefl oo cementfl oo  
rugfl oo othfl oo noroof natroof matroof bambroof wproof tinroof woodroof cerroof  
cmtreeof shngroof othroof nowall natwall mudwall stomwall adobwall plywall

rwoodwall

cmtwall stonwall brkwall cmtbwall cadobwall woodwall othwall cookelec cookbio  
cookkero cookcoal cookchar cookwood cookstraw cooknone cookoth landarea

/MISSING MEANSUB

/ANALYSIS QH110A QH110B QH110C QH110D QH110E QH110F QH110G QH110H QH110I QH110J  
QH110K QH110L qh110m

QH118A QH118B QH118C QH118D qh118e qh118f qh118g qh118h qh118i

qh118j

QH122a QH122b QH122c QH122d QH122e QH122f QH122g QH123 DOMESTIC

house land

memsleep h2oi res h2oyrd h2opub h2onei h2obwell h2opwell h2oowell h2opspg h2ouspg  
h2ocart h2osurf h2obot h2ooth flushs flusht flushp flushes latvip latpits latpit  
latcomp latpail latbush latoth sflushs sflushst sflushp sflushes slatvip slatpits  
slatpitn slatoth dirtfl oo woodfl oo vinyl fl oo tilefl oo cementfl oo  
rugfl oo othfl oo noroof natroof matroof bambroof wproof tinroof woodroof cerroof  
cmtreeof shngroof othroof nowall natwall mudwall stomwall adobwall plywall

rwoodwall

cmtwall stonwall brkwall cmtbwall cadobwall woodwall othwall cookelec cookbio  
cookkero cookcoal cookchar cookwood cookstraw cooknone cookoth landarea

/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 qh110m

QH118A QH118B QH118C QH118D qh118e qh118f qh118g qh118h qh118i

qh118j

QH122a QH122b QH122c QH122d QH122e QH122f QH122g QH123 DOMESTIC

house land

memsleep h2oi res h2oyrd h2opub h2onei h2obwell h2opwell h2oowell h2opspg h2ouspg  
h2otruck h2osurf h2obot flushst flushp latvip latpits latpit  
latcomp latpail lathang latbush latoth sflushst sflushp slatvip slatpits  
slatpitn slatcomp slathang slatoth dirtfl oo woodfl oo tilefl oo cementfl oo  
othfl oo noroof natroof matroof bambroof wproof tinroof woodroof cerroof  
othroof nowall natwall mudwall stomwall adobwall plywall rwoodwall  
cmtwall stonwall brkwall cmtbwall cadobwall woodwall othwall cookelec  
cookcoal cookchar cookwood cookstraw cooknone cookoth landarea

/MISSING MEANSUB

```

cd13assets.sps
/ANALYSIS QH110A QH110B QH110C QH110D QH110E QH110F QH110G QH110H QH110I QH110J
QH110K QH110L qh110m
QH118A QH118B QH118C QH118D qh118e qh118f qh118g qh118h qh118i
qh118j
QH122a QH122b QH122c QH122d QH122e QH122f QH122g QH123 DOMESTIC
house land
memsleep h2oi res h2oyrd h2opub h2onei h2obwell h2opwell h2oowell h2opspg h2ouspg
h2otruck h2osurf h2obot flusht flushp latvip latpits latpit
latcomp latpail lathang latbush latoth sflusht sflushp slatvip slatpits
slatpitn slatcomp slathang slatoth dirtfoot woodtfoot tiletfoot centtfoot
othtfoot noroof natroof matroof bambroof wproof tinroof woodroof cerroof
othroof nowall natwall mudwall stonwall adobwall plywall rwoodwall
cmtwall stonwall brkwall cmtbwall cadobwall woodwall othwall cookelec
cookcoal cookchar cookwood cookstraw cooknone cookoth landarea
/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 comb scor=0.  
print formats comb scor (F11.5).  
write formats comb scor (f11.5).  
\*\* Urban.  
if (qhtype = 1) comb scor=1.004+1.292\* URB1.

cd13assets. sps

```
** Rural .  
if (qhtype = 2) comb scor=(-0.429)+0.285* RUR1.  
execute.
```

```
*Tabulation for histograms.  
compute hhwt = qhwei ght/1000000.  
VARIABLE LABELS hhwt 'HH wei ghts' .  
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=qhwei ght*hhusual /1000000.  
weight by hhmemwt.  
VARIABLE LABELS hhmemwt 'HH members wei ghting 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 qh110m QH118A QH118B QH118C QH118D qh118e qh118f qh118g qh118h qh118i  
qh118j QH122a QH122b QH122c QH122d QH122e QH122f QH122g QH123 DOMESTIC  
house land  
memsleep h2oires h2oyrd h2opub h2onei h2obwell h2opwell h2oowell h2opspg h2ouspg  
h2otruck h2ocart h2osurf h2obot h2ooth flushs flusht flushp flushe latvip  
latpits latpit  
latcomp latpail lathang latbush lathang latbush lathang latbush latoth sflushs sflush sflushp sflush sflushp sflush  
slatpits  
slatpitn slatcomp slathang slathang slathang slathang slathang slathang slathang slathang slathang slathang slathang slathang  
rugfl oo othfl oo norooft natrooft matrooft bambrooft wprooft tinrooft woodrooft cerrooft  
cmtrooft shngrooft othrooft nowall natwall mudwall stomwall adobwall plywall  
rwoodwall  
cmtwall stonwall brkwall cmtbwall cadobwall woodwall othwall cookelec cookbio  
cookkero cookcoal cookchar cookwood cookstraw cooknone cookoth landarea  
by Ncombsco  
/CELLS MEAN COUNT STDDEV.

MEANS TABLES=  
QH110A QH110B QH110C QH110D QH110E QH110F QH110G QH110H QH110I QH110J QH110K  
QH110L qh110m QH118A QH118B QH118C QH118D qh118e qh118f qh118g qh118h qh118i  
qh118j QH122a QH122b QH122c QH122d QH122e QH122f QH122g QH123 DOMESTIC  
house land  
memsleep h2oires h2oyrd h2opub h2onei h2obwell h2opwell h2oowell h2opspg h2ouspg  
h2otruck h2ocart h2osurf h2obot h2ooth flushs flusht flushp flushe latvip  
latpits latpit  
latcomp latpail lathang latbush lathang latbush lathang latbush latoth sflushs sflush sflushp sflush sflushp sflush  
slatpits  
slatpitn slatcomp slathang slathang slathang slathang slathang slathang slathang slathang slathang slathang slathang  
rugfl oo othfl oo norooft natrooft matrooft bambrooft wprooft tinrooft woodrooft cerrooft  
cmtrooft shngrooft othrooft nowall natwall mudwall stomwall adobwall plywall  
rwoodwall  
cmtwall stonwall brkwall cmtbwall cadobwall woodwall othwall cookelec cookbio  
cookkero cookcoal cookchar cookwood cookstraw cooknone cookoth landarea  
by Ncombsco by urban, rural  
/CELLS MEAN COUNT STDDEV.

cd13assets. sps

WEIGHT OFF.

save outfile="c:\hnp2a\CongoDR 2013\cd13assets. sav".

\*\*\* Write out scores file.

WRITE OUTFILE="c:\hnp2a\CongoDR 2013\cd13scores. dat"

TABLE

/qhclust qhnumber comb Scor ncombsco urb1 nurb1 rur1 nrur1.  
EXECUTE.