DATA LIST FILE='C:\HNP2A\NIGERIA MIS 2010\EXPORT.DAT' RECORDS=1 /
  QHCLUST  1-3
  QHBUILD  4-6
  QHNUMBER  7-9
  QHWEIGHT  10-17
  QHTYPE  18-18
  HV009   19-20
  HV012   21-22
  HV013   23-24
  QH15   25-26
  QH16   27-28
  QH17A   29-29
  QH17B   30-30
  QH17C   31-31
  QH17D   32-32
  QH17E   33-33
  QH17F   34-34
  QH17G   35-35
  QH17H   36-36
  QH17I   37-37
  QH17J   38-38
  QH17K   39-39
  QH17L   40-40
  QH18   41-42
  QH19   43-44
  QH20   45-46
  QH21   47-48
  QH21A   49-50
  QH21B   51-52
  QH21C   53-54
  QH22A   55-55
  QH22B   56-56
  QH22C   57-57
  QH22D   58-58
  QH22E   59-59
  QH22F   60-60
  QH23   61-61
  QH24   62-62
  QH25   63-63
  QH26   64-68 (A)
  QH27   69-69
.
VARIABLE LABELS
  QHCLUST  "Cluster number"
 /QHBUILD  "Building number"
 /QHNUMBER  "Household number"
 /QHWEIGHT  "Household weight (6 decimals)"
 /QHTYPE  "Type of place of residence"
 /HV009   "HH members"
 /HV012   "Defjure members"
 /HV013   "Defacto members"
| QH15  | "Source of drinking water" |
| QH16  | "Type of toilet facility"  |
| QH17A | "Electricity"              |
| QH17B | "Radio"                    |
| QH17C | "Television"               |
| QH17D | "Mobile telephone"         |
| QH17E | "Telephone (non-mobile)"   |
| QH17F | "Refrigerator"             |
| QH17G | "Cable TV"                 |
| QH17H | "Generating set"           |
| QH17I | "Air conditioner"          |
| QH17J | "Computer"                 |
| QH17K | "Electric iron"            |
| QH17L | "Fan"                      |
| QH18  | "Type of cooking fuel"     |
| QH19  | "Main material of floor"   |
| QH20  | "Main roof material"       |
| QH21  | "Main wall material"       |
| QH21A | "Total rooms in household" |
| QH21B | "Number of rooms used for sleeping" |
| QH21C | "Number of sleeping facilities" |
| QH22A | "Canoe"                    |
| QH22B | "Bicycle"                  |
| QH22C | "Motorcycle or Scooter"    |
| QH22D | "Animal-drawn cart"        |
| QH22E | "Car or Truck"             |
| QH22F | "Boat with a motor"        |
| QH23  | "Interior walls sprayed against insecticide in past 12 months" |
| QH24  | "Dwelling sprayed by government, private company or NGO" |
| QH25  | "Mosquito nets used while sleeping" |
| QH26  | "Why household doesn't have mosquito nets" |
| QH27  | "Number of mosquito nets"  |

MISSING VALUE

| QH15 | (99) |
| QH16 | (99) |
| QH17A| (9)  |
| QH17B| (9)  |
| QH17C| (9)  |
| QH17D| (9)  |
| QH17E| (9)  |
| QH17F| (9)  |
| QH17G| (9)  |
| QH17H| (9)  |
| QH17I| (9)  |
| QH17J| (9)  |
| QH17K| (9)  |
| QH17L| (9)  |
| QH18 | (99) |
| QH19 | (99) |
VALUE LABELS
QHTYPE
  1 "Urban"
  2 "Rural"
/QH15
  11 "Piped - into dwelling"
  12 "Piped - into yard/plot"
  13 "Piped - public tap / standpipe"
  21 "Tube well or borehole"
  31 "Dug well - hand pump, protected"
  32 "Dug well - unprotected"
  41 "Spring - protected"
  42 "Spring - unprotected"
  51 "Rainwater"
  61 "Tanker truck"
  71 "Cart with small tank"
  81 "Surface water (river/dam/lake/pond/stream/canal/irrigation channel"
  91 "Bottled water"
  92 "Water sachets (pure water)"
  96 "Other"
/QH16
  11 "Flush - to piped sewer system"
  12 "Flush - to septic tank"
  13 "Flush - to pit latrine"
  14 "Flush - to somewhere else"
  15 "Flush - don't know where"
  21 "Pit latrine - ventilated improved pit (VIP)"
  22 "Pit latrine - with slab"
  23 "Pit latrine - without slab / open pit"
  31 "Composting toilet"
  41 "Bucket toilet"
  51 "Hanging toilet / hanging latrine"
  61 "No facility/bush/field"
  96 "Other"
/QH17A
  1 "Yes"
2 "No"
/QH17B
1 "Yes"
2 "No"
/QH17C
1 "Yes"
2 "No"
/QH17D
1 "Yes"
2 "No"
/QH17E
1 "Yes"
2 "No"
/QH17F
1 "Yes"
2 "No"
/QH17G
1 "Yes"
2 "No"
/QH17H
1 "Yes"
2 "No"
/QH17I
1 "Yes"
2 "No"
/QH17J
1 "Yes"
2 "No"
/QH17K
1 "Yes"
2 "No"
/QH17L
1 "Yes"
2 "No"
/QH18
1 "Electricity"
2 "LPG/cooking gas"
3 "Natural gas"
4 "Biogas"
5 "Kerosene"
6 "Coal, lignite"
7 "Charcoal"
8 "Wood"
9 "Straw / shrubs / grass"
10 "Agricultural crop"
11 "Animal dung"
95 "No food cooked in HH"
96 "Other"
/QH19
11 "Earth, sand"
21 "Wood planks"
31 "Parquet, polished wood"
32 "Floor mat, linoleum, vinyl"
33 "Ceramic tiles"
34 "Concrete, cement"
35 "Carpet"
96 "Other"
/QH20
11 "Thatch / palm leaf"
21 "Palm / bamboo/mats"
22 "Wood planks"
23 "Tarpaulin, plastic"
31 "Zinc, metal"
32 "Wood"
34 "Ceramic tiles"
35 "Concrete, cement"
36 "Asbestos sheets, shingles"
96 "Other"
/QH21
11 "Mud and sticks"
12 "Cane / palm / trunks"
13 "Straw, thatch mats"
21 "Mud bricks"
22 "Plywood, reused wood"
23 "Cardboard, plastic"
31 "Cement or stone blocks"
32 "Bricks"
33 "Wood planks / shingles"
96 "Other"
/QH21A
60 "60+"
/QH21B
60 "60+"
/QH21C
60 "60+"
/QH22A
1 "Yes"
2 "No"
/QH22B
1 "Yes"
2 "No"
/QH22C
1 "Yes"
2 "No"
/QH22D
1 "Yes"
2 "No"
/QH22E
1 "Yes"
2 "No"
/QH22F
1 "Yes"
2 "No"
/QH23
1 "Yes"
2 "No"
8 "Don't know"
/QH24
1 "Government worker / program"
2 "Private company"
6 "Other"
8 "Don't know"
/QH25
1 "Yes"
2 "No"
/QH26
'A    "No mosquitos"
'B    "Not available"
'C    "Don't like to use nets"
'D    "Too expensive"
'X    "Other"
/QH27
7 "7+
.
EXECUTE.
*{Construct Variables}.
*{Members per sleeping room}.
if (hv012=0) hv012=hv013.
if (qh21b>0) memsleep=trunc(hv012/qh21b).
if (qh21b=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'.
* water supply.
compute h2oires=0.
if (qh15=11) h2oires=1.
var labels h2oires "Piped into dwelling".
compute h2oyrd=0.
if (qh15=12) h2oyrd=1.
var labels h2oyrd "Piped into yard/plot".
compute h2opub=0.
if (qh15=13) h2opub=1.
var labels h2opub "Communal tap".
compute h2tube=0.
if (qh15=21) h2tube=1.
var labels h2tube "Tube well or borehole".
compute h2pmpwel=0.
if (qh15=31) h2pmpwel=1.
var labels h2pmpwel "Dug well with pump, protected".
compute h2upwel=0.
if (qh15=32) h2upwel=1.
var labels h2upwel "Dug well, unprotected".
compute h2psprng=0.
if (qh15=41) h2psprng=1.
var labels h2psprng "Protected spring".
compute h2usprng=0.
if (qh15=41) h2usprng=1.
var labels h2usprng "Unprotected spring".
compute h2osurf=0.
if (qh15=81) h2osurf=1.
var labels h2osurf "Surface water - river, lake, dam, spring, etc.".
compute h2otruck=0.
if (qh15=61) h2otruck=1.
var labels h2otruck "Water from tanker truck".
compute h2ovend=0.
if (qh15=71) h2ovend=1.
var labels h2ovend "Water from vendor".
compute h2obot=0.
if (qh15=91 or qh15=92) h2obot=1.
var labels h2obot "Bottled Water or water sachets (pure water)".
compute h2orain=0.
if (qh15=51) h2orain=1.
var labels h2orain "Water from rain".
compute h2ooth=0.
if (qh15=96) h2ooth=1.
var labels h2ooth "Other water source".

*{Toilet facility}.
compute flushs=0.
if (qh16=11) flushs=1.
var labels flushs "Flush toilet to sewer".
compute flusht=0.
if (qh16=12) flusht=1.
var labels flusht "Flush toilet to septic tank".
compute flushp=0.
if (qh16=13) flushp=1.
var labels flushp "Flush toilet to pit latrine".
compute flushe=0.
if (qh16=14) flushe=1.
var labels flushe "Flush toilet to somewhere else".
compute flushnd=0.
if (qh16=13) flushnd=1.
var labels flushnd "Flush toilet--doesn't know where".
compute latvip=0.
if (qh16=21) latvip=1.
var labels latvip "VIP latrine".
compute latslab=0.
if (qh16=22) latslab=1.
var labels latslab "Pit latrine with slab".
compute latpit=0.
if (qh16=23) latpit=1.
var labels latpit "Traditional pit latrine".
compute latcomp=0.
if (qh16=31) latcomp=1.
var labels latcomp "Composting toilet".
compute latpail=0.
if (qh16=41) latpail=1.
var labels latpail "Bucket toilet".
compute lathang=0.
if (qh16=51) lathang=1.
var labels lathang "Hanging toilet".
compute latbush=0.
if (qh16=61) latbush=1.
var labels latbush "No facility/bush/field".
compute latoth=0.
if (qh16=96) latoth=1.
var labels latoth 'Other type of latrine/toilet'.

*{Flooring}.
compute dirtfloo=0.
if (qh19=11) dirtfloo=1.
var labels dirtfloo "Earth, sand, dung floor".
compute woodfloo=0.
if (qh19=21) woodfloo=1.
var labels woodfloo "Rudimentary wood plank, bamboo floor".
compute cemtfloo=0.
if (qh19=34) cemtfloo=1.
var labels cemtfloo "Cement floor".
compute vinlfloo=0.
if (qh19=32) vinlfloo=1.
var labels vinlfloo "Vinyl, linoleum, floor mat".
compute tilefloo=0.
if (qh19=33) tilefloo=1.
var labels tilefloo "Tile floor".
compute rugfloo=0.
if (qh19=35) rugfloo=1.
var labels rugfloo "Carpeted floor".
compute prqfloo=0.
if (qh19=31) prqfloo=1.
var labels prqfloo "Polished wood floor".
compute othfloo=0.
if (qh19=96) othfloo=1.
var labels othfloo "Other type of flooring".

*{Walls}.
compute mudwall=0.
if (qh21=11) mudwall=1.
var labels mudwall "Mud and sticks walls".
compute adobwall=0.
if (qh21=21) adobwall=1.
var labels adobwall "Sundried brick walls".
compute brwall=0.
if (qh21=12) brwall=1.
var labels brwall "Cane, palm, trunks".
compute bnrwall=0.
if (qh21=13) bnrwall=1.
var labels bnrwall "Uncovered woven cane walls".
compute plywall=0.
if (qh21=22) plywall=1.
var labels plywall "Plywood, reused wood walls".
compute cbwall=0.
if (qh21=31) cbwall=1.
var labels cbwall "Cement block, stone block".
compute brkwall=0.
if (qh21=32) brkwall=1.
var labels brkwall "Brick walls".
compute shngwall=0.
if (qh21=33) shngwall=1.
var labels shngwall "Shingles, finished wood walls".
compute recwall=0.
if (qh21=23) recwall=1.
var labels recwall "Used materials: zinc, cloth, carton, plastics walls".
compute othwall=0.
if (qh21=96) othwall=1.
var labels othwall "Other type of walls".

*(Roofing).
compute natroof=0.
if (qh20=11) natroof=1.
var labels natroof "Thatch, palm leaf roof".
compute matroof=0.
if (qh20=21) matroof=1.
var labels matroof "Palm, bamboo mat roof".
compute w proof=0.
if (qh20=22) w proof=1.
var labels w proof "Wood planks roof".
compute tarp roof=0.
if (qh20=23) tarp roof=1.
var labels tarp roof "Tarpaulin, plastic roof".
compute metlroof=0.
if (qh20=31) metlroof=1.
var labels metlroof "Zinc, metal roof".
compute woodroof=0.
if (qh20=32) woodroof=1.
var labels woodroof "Wood roof".
compute tileroof=0.
if (qh20=34) tileroof=1.
var labels tileroof "Ceramic tile roof".
compute cmtroof=0.
if (qh20=35) cmtroof=1.
var labels cmtroof "Concrete, cement roof".
compute shngroof=0.
if (qh20=36) shngroof=1.
var labels shngroof "Asbestos sheets, shingles roof".
compute othroof=0.
if (qh20=96) othroof=1.
var labels othroof "Other roof".

*{Cooking Fuel}.

compute cookgas=0.
if (qh18=3) cookgas=1.
var labels cookgas "Natural gas for cooking".
compute cooklpg=0.
if (qh18=2) cooklpg=1.
var labels cooklpg "LPG for cooking".
compute cookbio=0.
if (qh18=4) cookbio=1.
var labels cookbio "Biogas for cooking".
compute cookkero=0.
if (qh18=5) cookkero=1.
var labels cookkero "Kerosene, oil, alcohol, gasoline for cooking".
compute cookelec=0.
if (qh18=1) cookelec=1.
var labels cookelec "Electricity for cooking".
compute cookchar=0.
if (qh18=7) cookchar=1.
var labels cookchar "Charcoal for cooking".
compute cookwood=0.
if (qh18=8) cookwood=1.
var labels cookwood "Wood for cooking".
compute cookstrw=0.
if (qh18=9) cookstrw=1.
var labels cookstrw "Straw, shrubs, grass for cooking".
compute cookcoal=0.
if (qh18=6) cookcoal=1.
var labels cookcoal "Coal for cooking".
compute cookresid=0.
if (qh18=10) cookresid=1.
var labels cookresid "Ag. crops for cooking".
compute cookdung=0.
if (qh18=11) cookdung=1.
var labels cookdung "Animal dung for cooking".
compute cooknone=0.
if (qh18=95) cooknone=1.
var labels cooknone 'Does not cook'.
compute cookoth=0.
if (qh18=96) cookoth=1.
var labels cookoth "Other fuel for cooking".

*{Reset missing values to "does not have", change 2 code to 0}.
if (qh17a<>1) qh17a=0.
if (qh17b<>1) qh17b=0.
if (qh17c<>1) qh17c=0.
if (qh17d<>1) qh17d=0.
if (qh17e<>1) qh17e=0.
if (qh17f<>1) qh17f=0.
if (qh17g<>1) qh17g=0.
if (qh17h<>1) qh17h=0.
if (qh17i<>1) qh17i=0.
if (qh17j<>1) qh17j=0.
if (qh17k<>1) qh17k=0.
if (qh17l<>1) qh17l=0.

if (qh22a<>1) qh22a=0.
if (qh22b<>1) qh22b=0.
if (qh22c<>1) qh22c=0.
if (qh22d<>1) qh22d=0.
if (qh22e<>1) qh22e=0.
if (qh22f<>1) qh22f=0.

*{Solid waste/garbage collection}.
execute.

FREQUENCIES VARIABLES=QHtype HV009 HV012 HV013 qh17A qh17B qh17C qh17D qh17E qh17g qh17h qh17i qh17j qh17k qh17l qh16 qh15 qh18 qh19 qh20 qh21 qh22A qh22B qh22C qh22D qh22E qh22F /ORDER=ANALYSIS.
save outfile="c:\hp2a\nigeria mis 2010\assetsng10.sav".

FREQUENCIES VARIABLES=memsleep h2oires h2oyrd h2opub h2tube h2pmpwel h2upwel h2psprng h2usprng h2osurf h2otruck h2ovend h2obot h2orain h2ooth flushs flusht flushp flushing flushnd latvip latslab latpit latcomp latpail lathang latbush latoth dirtfloo woodfloo cemtfloo vinlfloo tilefloof rugfloo prqfloo othfloof mudwall adobwall brwall bnrwall plywall cbwall brkwall shngwall recwall othwall natroof matroof wproof tarproof metlroof woodroof tileroof cmtroof shngroof othroof cookgas cooklpq cookbio cookkero cookelec cookchar cookwood cookstrw cookcoal cookresid cookdung cooknone cookoth /ORDER=ANALYSIS.

*****************************************************************************
FACTOR
/VARIABLES QH17A QH17B QH17C QH17D QH17E QH17F QH17G QH17H QH17I QH17J QH17K QH17L QH22A QH22B QH22C QH22D QH22E QH22F memsleep h2oires h2oyrd h2opub h2tube h2pmpwel h2upwel h2psprng h2usprng h2osurf h2otruck h2ovend h2obot h2orain flushs flusht flushp flushing flushnd latvip latslab latpit latcomp latpail lathang latbush latoth dirtfloo woodfloo cemtfloo vinlfloo tilefloof rugfloo prqfloo mudwall adobwall brwall bnrwall plywall cbwall brkwall shngwall recwall othwall natroof matroof wproof tarproof metlroof woodroof tileroof cmtroof shngroof othroof cookgas cooklpq cookbio cookkero cookelec cookchar cookwood cookstrw cookcoal cookresid cookdung cooknone cookoth /ORDER=ANALYSIS.

11
cbwall shngwall recwall othwall
  natroof matroof wproof tarproof metlroof woodroof tileroof
  cmtroof shngroof cookgas cooklpg
  cookbio cookkero cookelec cookchar cookwood cookstrw cookcoal
  cookresid cooknone
  /MISSING MEAN
  /ANALYSIS QH17A QH17B QH17C QH17D QH17E QH17F QH17G QH17H QH17I
  QH17J QH17K QH17L QH22A QH22B
  QH22C QH22D QH22E QH22F memsleep h2oires h2oyrd h2opub h2tube
  h2pmpwel h2upwel h2psprng h2usprng
  h2osurf h2otruck h2ovend h2obot h2orain flushs flushp
  flushe flushnd latvip latslab
  latpit latcomp latpail latbush latoth dirtfloo
  woodfloo centfloo vinlfloo tilefloo rugfloo
  prqfloo mudwall adobwall brwall bnrwall plywall brkwall
  cbwall shngwall recwall othwall
  natroof matroof wproof tarproof metlroof woodroof tileroof
  cmtroof shngroof cookgas cooklpg
  cookbio cookkero cookelec cookchar cookwood cookstrw cookcoal
  cookresid cooknone
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NORotate
  /SAVE REG(ALL)
  /METHOD=CORRELATION.

compute hhmemwt=hv012*qhweight/1000000.
weight by hhmemwt.
VARIABLE LABELS hhmemwt 'HH members weighting for Index' .

RANK
  VARIABLES=fac1_1 (A) /RANK /NTILES (5) /PRINT=YES
  /TIES=MEAN .

FREQUENCIES
  VARIABLES=fac1_1 /FORMAT=NOTABLE
  /NTILES= 5
  /STATISTICS=STDDEV MINIMUM MAXIMUM MEAN MEDIAN MODE SKEWNESS
  SEKURT
  KURTOSIS SEKURT
  /ORDER= ANALYSIS
  frequencies variables=nfac1_1.

compute hhwt=qhweight/1000000.
weight by hhwt.
VARIABLE LABELS hhwt 'HH weights' .
MEANS
  TABLES QH17A QH17B QH17C QH17D QH17E QH17F QH17G QH17H QH17I
compute hv271=fac1_1*100000.
calculate hv270=nfac1_1.

save outfile="c:\hnp2a\Nigeria MIS 2010\assetsng10.sav".

WEIGHT OFF.

FREQUENCIES VARIABLES=hv271 /ORDER= ANALYSIS .

calculate hhwt=qhweight/1000000.

weight by hhwt.

GRAPH
/HISTOGRAM(NORMAL)=fac1_1
/TITLE= 'Distribution of Households by Wealth Scores Nigeria MIS 2010'.

FREQUENCIES VARIABLES=fac1_1 /FORMAT=NOTABLE
/NNTILES= 5
/statistics=STDDEV MINIMUM MAXIMUM SEMEAN MEAN MEDIAN MODE

write outfile='c:\hnp2a\Nigeria MIS 2010\NG10scores.dat'

TABLE
/qhclust qhbuild qhnumber fac1_1 nfac1_1.

EXECUTE.