DATA LIST FILE='C:\macro stuff\kenya mis wealth index\KMIS2010WIDX.DAT' RECORDS=1 /
  HHID  1-12 (A)
  REC$TYPE  13-13 (A)
  HV000  14-16 (A)
  HV001  17-24
  HV002  25-28
  HV003  29-31
  HV004  32-35
  HV005  36-43
  HV006  44-45
  HV007  46-49
  HV008  50-53
  HV009  54-55
  HV010  56-57
  HV011  58-59
  HV012  60-61
  HV013  62-63
  HV014  64-65
  HV015  66-66
  HV016  67-68
  HV017  69-69
  HV018  70-72
  HV019  73-74
  HV020  75-75
  HV021  76-79
  HV022  80-83
  HV023  84-85
  HV024  86-87
  HV025  88-88
  HV026  89-89
  HV027  90-90
  HV028  91-98
  HV029  99-101
  HV030  102-104
  HV031  105-106
  HV032  107-114
  HV033  115-116
  HV034  117-120
  HV035  121-122
  HV036  123-124
  HV037  125-125
  HV038  126-126
  HV039  127-127
  HV040  128-128
  HV041  129-129
  HV042  130-130
  HV043  131-131
  HV044  132-133
  HV045  134-135
  HV046  136-137
VARIABLE LABELS
  HHID  "Case Identification"
  /HV000  "Country code and phase"
  /HV001  "Cluster number"
  /HV002  "Household number"
  /HV003  "Respondent's line number"
  /HV004  "Ultimate area unit"
  /HV005  "Sample weight"
  /HV006  "Month of interview"
  /HV007  "Year of interview"
  /HV008  "Date of interview (CMC)"
  /HV009  "Number of household members"
Number of eligible women in HH
Number of eligible men in HH
Number of de jure members
Number of de facto members
Number of children 0-14 for malaria/anemia
Result of household interview
Day of interview
Number of visits
Interviewer identification
Keyer identification
Ever-married sample
Primary sampling unit
Sample stratum number
Sample domain
Region
Type of place of residence
Place of residence
Selection for male/husb. int.
Sample weight for male subsamp
Field supervisor
Field editor
Office editor
Ultimate area selection prob.
Number of eligible children for height & weight
Cluster altitude in meters
Source of drinking water
Type of toilet facility
Has electricity
Has radio
Has television
Has refrigerator
Has bicycle
Has motorcycle/scooter
Has car/truck or boat
Main floor material
Main wall material
Main roof material
Rooms used for sleeping
Relationship structure
Line number of head of household
Sex of head of household
Age of head of household
Has a landline telephone
Type of cooking fuel
Have bednet for sleeping
Children under 5 slept under bednet last night
Has a mobile telephone
Has a watch
Has an animal-drawn cart
Wealth index
Wealth index factor score (5 decimals)
Number of mosquito nets
"Number of mosquito nets with specific information"
"Number of children under bednet previous night"
"District"
"Malaria Zone"
"Solar Panel"
"Fan"
"Cassette player"
"Plough"
"Grain grinder"
"VCR/DVD"
"Tractor"
"Hammer Mill"
"BOTH car/truck AND boat with motor"
"Dwelling sprayed last 12 months"
"Net color"
"Net shape"
"Can hang a mosquito net"
"Importance of sleeping under a net for children"
"How frequently uses a mosquito net"
"Dwelled net safe to sleep under"
"Most people sleep under a ITN every night"
"Can hang a net anywhere"
"Malaria risk during rainy season"

MISSING VALUE
HV026 (9)
HV201 (99)
HV205 (99)
HV206 (9)
HV207 (9)
HV208 (9)
HV209 (9)
HV210 (9)
HV211 (9)
HV212 (9)
HV213 (99)
HV214 (99)
HV215 (99)
HV216 (99)
HV219 (9)
HV220 (99)
HV221 (9)
HV226 (99)
HV227 (9)
HV228 (9)
HV243A (9)
HV243B (9)
HV243C (9)
HML1 (99)
HML2 (99)
SH103H (9)
VALUE LABELS

HV015
   1 "Completed"
   2 "HH present, no resp"
   3 "HH absent"
   4 "Postponed"
   5 "Refused"
   6 "Dwelling vacant"
   7 "Dwelling destroyed"
   8 "Dwelling not found"
   9 "Other"

HV020
   0 "All woman sample"
   1 "Ever married sample"

HV023
   1 "NBO"
   2 "Central"
   3 "Coast"
   4 "Eastern"
   5 "N/Eastern"
   6 "Nyanza"
   7 "R/Valley"
   8 "Western"

HV024
   1 "NBO"
   2 "Central"
   3 "Coast"
   4 "Eastern"
   5 "N/Eastern"
   6 "Nyanza"
   7 "R/Valley"
   8 "Western"
/HV210
  0 "No"
  1 "Yes"
/HV211
  0 "No"
  1 "Yes"
/HV212
  0 "No"
  1 "Yes"
/HV213
  10 "NATURAL"
  11 "Earth/sand"
  12 "Dung"
  20 "RUDIMENTARY"
  21 "Wood planks"
  22 "Palm/ bamboo"
  30 "FINISHED"
  31 "Parquet/polished wood"
  32 "Vinyl/asphalt strips"
  33 "Ceramic tiles"
  34 "Cement"
  96 "OTHER"
/HV214
  10 "NATURAL"
  11 "No walls"
  12 "Cane/palm/trunks"
  20 "RUDIMENTARY"
  21 "Bamboo with mud"
  22 "Stone with mud"
  23 "Uncovered adobe"
  24 "Plywood"
  25 "Carton"
  30 "FINISHED"
  31 "Cement"
  32 "Stone with lime/cement"
  33 "Bricks"
  34 "Cement block"
  35 "Covered adobe"
  36 "Wood planks/shingles"
  96 "OTHER"
/HV215
  10 "NATURAL"
  11 "Grass/thatch"
  12 "Sticks/mud"
  20 "RUDIMENTARY"
  21 "Plastic sheeting"
  22 "Reed/bamboo"
  23 "Wood planks"
  30 "FINISHED"
  31 "Corrugated iron"
  32 "Wood"
  33 "Calamine/ cement fiber"
34 "Cement/concrete"
35 "Shingles"
96 "OTHER"

/HV217
0 "No adults"
1 "One adult"
2 "Two adults, opp. sex"
3 "Two adults, same sex"
4 "Three+ related adult"
5 "Unrelated adults"

/HV219
1 "Male"
2 "Female"

/HV220
97 "97+"
98 "DK"

/HV221
0 "No"
1 "Yes"

/HV226
1 "Electricity"
2 "LPG"
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"

/HV227
0 "No"
1 "Yes"

/HV228
0 "No"
1 "All children"
2 "Some children"
3 "No bednet in HH"

/HV243A
0 "No"
1 "Yes"

/HV243B
0 "No"
1 "Yes"

/HV243C
0 "No"
1 "Yes"

/HV270
1 "Poorest"
2 "Poorer"
3 "Middle"
4 "Richer"
5 "Richest"

98 "Don't know"

1 "Highland EPI prone"
2 "Lake/endemic"
3 "Moderate risk"
4 "Seasonal risk"
5 "Low risk"

0 "No"
1 "Yes"

0 "No"
1 "Yes"

0 "No"
1 "Yes"

0 "No"
1 "Yes"

0 "No"
1 "Yes"

0 "No"
1 "Yes"

0 "No"
1 "Yes"

0 "No"
1 "Yes"

0 "No"
1 "Yes"

0 "No"
1 "Yes"

0 "No"
1 "Yes"

0 "No"
1 "Yes"

10 "Green"
20 "Blue"
30 "Red"
40 "White"
50 "Black"
EXECUTE.
*{Construct Variables}.

*{Members per sleeping room}.
if (hv012=0) hv012=hv013.
if (hv216>0) memsleep=trunc(hv012/hv216).
if (hv216=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 (hv201=11) h2oires=1.
  var labels h2oires "Piped into dwelling".
  compute h2oyrd=0.
  if (hv201=12) h2oyrd=1.
  var labels h2oyrd "Piped into yard/plot".
  compute h2opub=0.
  if (hv201=13) h2opub=1.
  var labels h2opub "Communal tap".
  compute h2opdwel=0.
  if (hv201=31) h2opdwel=1.
  var labels h2opdwel "Protected dug well".
  compute h2oudwel=0.
  if (hv201=32) h2oudwel=1.
  var labels h2oudwel "Unprotected dug well".
  compute h2otwel=0.
  if (hv201=21) h2otwel=1.
  var labels h2otwel "Tube well".
  compute h2opspg=0.
  if (hv201=41) h2opspg=1.
  var labels h2opspg "Protected Spring".
  compute h2ouspg=0.
  if (hv201=42) h2ouspg=1.
  var labels h2ouspg "Unprotected Spring".
  compute h2osurf=0.
  if (hv201=43) h2osurf=1.
  var labels h2osurf "Surface water-river, lake, dam, etc.".
  compute h2orain=0.
  if (hv201=51) h2orain=1.
  var labels h2orain "Water from rain".
  compute h2otruck=0.
  if (hv201=61) h2otruck=1.
  var labels h2otruck "Water from tanker truck".
  compute h2ovend=0.
  if (hv201=62) h2ovend=1.
  var labels h2ovend "Water from vendor with cart/small truck".
  compute h2obot=0.
  if (hv201=71) h2obot=1.
  var labels h2obot "Water from bottle".
  compute h2ooth=0.
  if (hv201=96) h2ooth=1.
  var labels h2ooth "Other water source".

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*{Toilet facility}.
compute flush=0.
if (hv205=11) flush=1.
var labels flush "Flush toilet".
compute latpit=0.
if (hv205=22) latpit=1.
var labels latpit "Traditional pit latrine".
compute latvip=0.
if (hv205=21) latvip=1.
var labels latvip "VIP latrine".
compute latbush=0.
if (hv205=31) latbush=1.
var labels latbush "No facility/bush/field".
compute latoth=0.
if (hv205=96) latoth=1.
var labels latoth 'Other type of latrine/toilet'.

*{Flooring}.
compute dirtfloo=0.
if (hv213=11 or hv213=12) dirtfloo=1.
var labels dirtfloo "Earth, sand, dung floor".
compute woodfloo=0.
if (hv213=21 or hv213=22) woodfloo=1.
var labels woodfloo "Rudimentary wood plank, bamboo floor".
compute cemtfloo=0.
if (hv213=34) cemtfloo=1.
var labels cemtfloo "Cement floor".
compute vinlfloo=0.
if (hv213=32) vinlfloo=1.
var labels vinlfloo "Vinyl, asphalt strip floor".
compute tilefloo=0.
if (hv213=33) tilefloo=1.
var labels tilefloo "Ceramic tile floor".
compute prqfloo=0.
if (hv213=31) prqfloo=1.
var labels prqfloo "Polished wood floor".
compute othfloo=0.
if (hv213=96) othfloo=1.
var labels othfloo "Other type of flooring".

*{Walls}.
compute nowall=0.
if (hv214=11) nowall=1.
var labels nowall "No walls".
compute natwall=0.
if (hv214=12) natwall=1.
var labels natwall "Cane/palm/trunks walls".
compute mudwall=0.
if (hv214=21) mudwall=1.
var labels mudwall "Bamboo and mud walls".
compute smudwall=0.
if (hv214=22) smudwall=1.
var labels smudwall "Stone and mud walls".
compute adobwall=0.
if (hv214=23) adobwall=1.
var labels adobwall "Uncovered adobe walls".
compute plywdwall=0.
if (hv214=24) plywdwall=1.
var labels plywdwall "Plywood walls".
compute cartwall=0.
if (hv214=25) cartwall=1.
var labels cartwall "Carton walls".
compute cmtwall=0.
if (hv214=31) cmtwall=1.
var labels cmtwall "Cement walls".
compute brkwall=0.
if (hv214=33) brkwall=1.
var labels brkwall "Brick walls".
compute woodwall=0.
if (hv214=36) woodwall=1.
var labels woodwall "Wood planks, shingles walls".
compute cmtbwall=0.
if (hv214=34) cmtbwall=1.
var labels cmtbwall "Cement block walls".
compute stonwall=0.
if (hv214=32) stonwall=1.
var labels stonwall "Stone walls with lime".
compute cadobwal=0.
if (hv214=35) cadobwal=1.
var labels cadobwal "Covered adobe walls".
compute othwall=0.
if (hv214=96) othwall=1.
var labels othwall "Other type of walls".

*{Roofing}.
compute natroof=0.
if (hv215=11 or hv215=12) natroof=1.
var labels natroof "Grass/thatch/mud roof".
compute psroof=0.
if (hv215=21) psroof=1.
var labels psroof "Plastic sheeting for roof".
compute wproof=0.
if (hv215=23) wproof=1.
var labels wproof "Wood planks for roof".
compute rbroof=0.
if (hv215=22) rbroof=1.
var labels rbroof "Reed/bamboo roof".
compute metroof=0.
if (hv215=31) metroof=1.
var labels metroof "Iron sheet roof".
compute calroof=0.
if (hv215=33) calroof=1.
var labels calroof "Calamine cement fibre roof".
compute shngroof=0.
if (hv215=35) shngroof=1.
var labels shngroof "Shingles roof".
compute woodroof=0.
if (hv215=32) woodroof=1.
var labels woodroof "Wood roof".
compute cmtroof=0.
if (hv215=34) cmtroof=1.
var labels cmtroof "Concrete roof".
compute othroof=0.
if (hv215=96) othroof=1.
var labels othroof "Other type of roof".

*{Cooking Fuel}.
compute cookelec=0.
if (hv226=1) cookelec=1.
var labels cookelec "Electricity for cooking".
compute cooklpg=0.
if (hv226=2) cooklpg=1.
var labels cooklpg "LPG for cooking".
compute cookgas=0.
if (hv226=3) cookgas=1.
var labels cookgas "Natural gas for cooking".
compute cookbio=0.
if (hv226=4) cookbio=1.
var labels cookbio "Biogas for cooking".
compute cookkero=0.
if (hv226=5) cookkero=1.
var labels cookkero "Kerosene for cooking".
compute cookcoal=0.
if (hv226=6) cookcoal=1.
var labels cookcoal "Coal/lignite for cooking".
compute cookchar=0.
if (hv226=7) cookchar=1.
var labels cookchar "Charcoal for cooking".
compute cookwood=0.
if (hv226=8) cookwood=1.
var labels cookwood "Wood for cooking".
compute cookstraw=0.
if (hv226=9) cookstraw=1.
var labels cookstraw "Straw, shrubs, grass for cooking".
compute cookcrop=0.
if (hv226=10) cookcrop=1.
var labels cookcrop "Agricultural crop for cooking".
compute cookdung=0.
if (hv226=11) cookdung=1.
var labels cookdung "Dung for cooking".
compute cooknone=0.
if (hv226=95) cooknone=1.
var labels cooknone 'Does not cook'.
compute cookoth=0.
if (hv226=96) cookoth=1.
var labels cookoth "Other fuel for cooking".

*{Reset missing values to "does not have", change 2 code to 0}.
if (sh103h<>1) sh103h=0.
if (sh103i<>1) sh103i=0.
if (sh103j<>1) sh103j=0.
if (sh103k<>1) sh103k=0.
if (sh103l<>1) sh103l=0.
if (sh103m<>1) sh103m=0.
if (sh103n<>1) sh103n=0.
if (sh103o<>1) sh103o=0.
if (sh103p<>1) sh103p=0.
if (sh109e<>1) sh109e=0.
execute.

/ORDER=ANALYSIS.
FREQUENCIES VARIABLES=memsleep h2oires h2oird h2opub h2opdwel h2oudwel h2otwel h2opsg h2ouspg h2osurf h2orain h2otruck h2ovend h2obot h2ooth flush latpit latvip latbush latoth dirtflool woodflool cemtflool vinlflool tileflool prqflool othflool nowall natwall mudwall smudwall adobwall plywdwall cartwall cmtwall brkwall woodwall cmtbwall stonwall cadobwal othwall natroof psroof wproof rbroof metroof calroof shngroof woodroof cmtrroof othroof cookelec cooklpg cookgas cookbio cookkero cookcoal cookchar cookwood cookstraw cookelec cookdung cooknone cookoth
/ORDER=ANALYSIS.
save outfile="c:\macro stuff\kenya mis wealth index \kmis2010widx.sav".

**********************************.
FACTOR
/VARIABLES HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV221 HV243A HV243B HV243C SH103H SH103I SH103J SH103K SH103L SH103M SH103N SH103O SH103P SH109E memsleep h2oires h2oird h2opub h2opdwel h2oudwel h2otwel h2osurf h2orain h2obot h2ooth flush latpit latvip latbush latoth dirtflool woodflool cemtflool vinlflool tileflool othflool nowall natwall mudwall smudwall adobwall plywdwall cartwall cmtwall brkwall woodwall
cmtbwall stonwall cadobwal othwall
  natroof pproof wproof rbroof metroof calroof shngroof
  woodroof cmtroof othroof cookelec cooklpg
  cookbio cookkero cookcoal cookchar cookstraw cookdung
  cooknone cookoth
/MISSING MEANSUB
/ANALYSIS HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV221
HV243A HV243B HV243C SH103H SH103I
  SH103J SH103K SH103L SH103M SH103O SH103P SH109E
memsleep h2oires h2oyrd h2opub h2opdwel
  h2oudwel h2otwel h2osurf h2orain h2obot h2ooth flush latpit
latvip
  latbush latoth dirtfloo woodfloo cemtfloo vinlfloo tilefloo
othfloo nowall natwall mudwall
  smudwall adobwall plywdwall cartwall cmtwall brkwall woodwall
cmtbwall stonwall cadobwal othwall
  natroof pproof wproof rbroof metroof calroof shngroof
  woodroof cmtroof othroof cookelec cooklpg
  cookbio cookkero cookcoal cookchar cookstraw cookdung
  cooknone cookoth
/PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
/Criteria FACTORS(1) ITERATE(25)
/EXTRACTION PC
/ROTATION NORotate
/SAVE REG(ALL)
/METHOD=CORRELATION.

compute hhmemwt=hv012*hv005/1000000.
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
  SESKEW
  KURTOSIS SEKURT
  /ORDER= ANALYSIS
  .
frequencies variables=nfac1_1.

compute hhwt=hv005/1000000.
weight by hhwt.
VARIABLE LABELS hhwt 'HH weights' .

MEANS
  TABLES HV206 HV207 HV208 HV209 HV210 HV211 HV221 HV243A
  HV243B HV243C SH103H SH103I
  SH103J SH103K SH103L SH103M SH103N SH103O SH103P SH109E

16
memsleep h2oires h2oyrd h2opub h2opdwel
   h2oudwel h2otwel h2osurf h2orain h2obot h2ooth flush latpit
latvip
 latbush latoth dirtfloo woodfloo cemtfloo vinlfloo tilefloo
 othfloo nowall natwall mudwall
   smudwall adobwall plywdwall cartwall cmtwall brkwall woodwall
 cmtwall stonwall cadobwal othwall
   natroof psroof wproof rbroof metroof calroof shngroof
 woodroof cmroof othroof cookelec cooklpg
   cookbio cookkero cookchar cookstraw cookdung
 cooknone cookoth BY nfac1_1
/CELLS MEAN COUNT STDDEV .

*compute hv271=fac1_1*100000.
*compute hv270=nfac1_1.
WEIGHT
   OFF.
save outfile="c:\macro stuff\kenya mis wealth index\kmis2010widx.sav".

** Urban Area

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 SH103H SH103I
   SH103J SH103K SH103L SH103M SH103N SH103O SH109E memsleep
 h2oires h2oyrd h2opub h2opdwel
   h2oudwel h2otwel h2osurf h2orain h2obot h2ooth flush latpit
latvip
 latbush latoth dirtfloo woodfloo cemtfloo vinlfloo tilefloo
 othfloo natwall mudwall
   smudwall adobwall plywdwall cartwall cmtwall brkwall woodwall
 cmtwall stonwall cadobwal othwall
   natroof psroof wproof rbroof metroof calroof shngroof woodroof
 cmroof othroof cookelec cooklpg
   cookbio cookkero cookchar cookstraw cookdung
 cooknone cookoth BY nfac1_1
/MISSING MEANSUB
/ANALYSIS HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV221
 HV243A HV243B HV243C SH103H SH103I
   SH103J SH103K SH103L SH103M SH103N SH103O SH109E memsleep
h2oires h2oyrd h2opub h2opdwel
  h2oudwel h2otwel h2osurf h2orain h2obot h2ooth flush latpit latvip
  latbush latoth dirtfloo woodfloo cemtfloo vinlfloo tilefloo
othfloo natwall mudwall
  smudwall adobwall plywdwall cartwall cmtwall brkwall woodwall
cmtbwall stonwall cadobwal othwall
  natroof psroof wproof metroof calroof shngroof woodroof
cmtrroof othroof cookelec cooklp
  cookbio cookkero cookchar cookstraw 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.
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 SH103H SH103I
    SH103J SH103K SH103L SH103M SH103N SH103O SH103P SH109E
memsleep h2oires h2oyrd h2opub h2opdwel
  h2oudwel h2otwel h2osurf h2orain h2ooth flush latpit latvip
  latbush latoth dirtfloo woodfloo cemtfloo vinlfloo tilefloo
othfloo nowall natwall mudwall
  smudwall adobwall plywdwall cartwall cmtwall brkwall woodwall
cmtbwall stonwall cadobwal othwall
  natroof psroof wproof metroof calroof shngroof woodroof
cmtrroof othroof cookelec cooklp
  cookbio cookkero cookcoal cookchar cookstraw cookdung
cooknone cookoth
/MISSING MEANsub
/ANALYSIS HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV221
HV243A HV243B HV243C SH103H SH103I
    SH103J SH103K SH103L SH103M SH103N SH103O SH103P SH109E
memsleep h2oires h2oyrd h2opub h2opdwel
  h2oudwel h2otwel h2osurf h2orain h2ooth flush latpit latvip
  latbush latoth dirtfloo woodfloo cemtfloo vinlfloo tilefloo
othfloo nowall natwall mudwall
  smudwall adobwall plywdwall cartwall cmtwall brkwall woodwall
cmtbwall stonwall cadobwal othwall
natroof psroof wproof rroof mroof calroof shngroof
woodroof cmroof othroof cookelec cooklpg
cookbio cookkero cookcoal cookchar cookstraw 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 areas.
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 .

REGRESSION
 /MISSING LISTWISE
 /STATISTICS COEFF OUTS R ANOVA
 /CRITERIA=PIN(.05) POUT(.10)
 /NOORIGIN
 /DEPENDENT FAC1_1
 /METHOD=ENTER URB1  .

* Rural areas.
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 .

REGRESSION
 /MISSING LISTWISE
 /STATISTICS COEFF OUTS R ANOVA
 /CRITERIA=PIN(.05) POUT(.10)
 /NOORIGIN
 /DEPENDENT FAC1 1
 /METHOD=ENTER RUR1  .

FILTER OFF.
USE ALL.
EXECUTE .
*** Calculate combined wealth score from Urban and Rural Scores.
compute combscor=0.
** Urban.
if (hv025 eq 1) combscor=1.181+1.208* URB1.
** Rural.
if (hv025 eq 2) combscor=(-0.262)+0.716* RUR1.
execute.

*Tabulation for histograms
weight by hhwt.
filter off.
use all.
FREQUENCIES
   VARIABLES=combscor /FORMAT=NOTABLE
   /NTILES=5
   /STATISTICS=STDDEV MEAN
   /HISTOGRAM  NORMAL
   /ORDER=  ANALYSIS
.

* Calculate histogram intervals.
compute histnac=trunc(fac1_1/((2.5-(-2.0))/50)).
if (fac1_1 ge 0 ) histnac=histnac+1.
freq var=histnac.

*Calculate quintiles and scores for data file.
compute hhmemwt=hv012*hv005/1000000.
weight by hhmemwt.
VARIABLE LABELS hhmemwt 'HH members weighting for Index' .
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
   SESKREW
   KURTOSIS SEKURT
   /ORDER=  ANALYSIS .
frequencies variables=ncombsco.
compute hhwt=hv005/1000000.
weight by hhwt.
VARIABLE LABELS hhwt 'HH weights'.

MEANS
   TABLES=HV206 HV207 HV208 HV209 HV210 HV211 HV243A
   HV243B HV243C SH103H SH103I
   SH103J SH103K SH103L SH103M SH103N SH103P SH109E
   memsleep h2oires h2oyrd h2opub h2opdwel
   h2oudwel h2otwel h2osurf h2orain h2obot h2ooth flush latpit
   latvip
   latbush latoth dirtflool woodflool cementflool vin1flool tileflool
   othflool nowall natwall mudwall
   smudwall adobwall plywdwall cartwall cmtwall brkwall woodwall
   cmtbwall stonwall cadobwal othwall
   natroof psroof wproof rbroof metroof calroof shngroof
   woodroof cmtnroof othroof cookelec coolpg
   cookbio cookkero cookcoa1 cookchar cookstraw cookdung
   cooknone cookoth
   BY ncombsco
   /CELLS MEAN COUNT STDDEV .

compute hv271=combscor.
compute hv270=ncombsco.

save outfile="c:\macro stuff\kenya mis wealth index\kmis2010widx.sav".

WEIGHT
OFF.

FREQUENCIES
   VARIABLES=hv271
   /ORDER= ANALYSIS .

compute hhwt=hv005/1000000.
weight by hhwt.

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

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

WRITE OUTFILE='c:\macro stuff\kenya mis wealth index\kemis10scores.dat'
   TABLE
   /hhid combscor ncombsco.
EXECUTE.