```
FREQUENCIES
  VARIABLES=hv201 hv205 hv206 hv207 hv208 hv209 hv210 hv211 hv212
hv213
hv216 hv221 hv225 hv226 hv243a hv243c sh16d sh16e sh16j
sh16k sh16l sh16m sh16n sh20c sh20f sh20g sh20h sh20j sh20k sh20l
sh20m
  /ORDER=  ANALYSIS .

SELECT IF hv015 = 1.
FREQ hv015.



*MEMSLEEP.

FREQ hv012.

COMPUTE members = 0.
COMPUTE members = hv012.
IF (members = 0) members = hv013.
EXECUTE.
FREQ members.

FREQ hv216.
IF (hv216 = 0) memsleep = members.
COMPUTE memsleep = (members/hv216).
FREQ memsleep.


*WATER.
COMPUTE h2oires = 0.
IF (hv201 = 11 | hv201 = 71) h2oires = 1.
VAR LABELS h2oires "if water is piped into residence + 3 cases
bottled".
VALUE LABELS h2oires       0 "no water piped into residence"
                     1 "uses water that is piped into
residence".

COMPUTE h2oores = 0.
IF (hv201 = 12) h2oores = 1.
VAR LABELS h2oores "if water is piped into yard".
VALUE LABELS h2oores  0 "no water piped into yard"
                     1 "uses water that is piped into yard".

COMPUTE h2opub = 0.
IF (hv201 = 13) h2opub = 1.
VAR LABELS h2opub "if water is from a public standpipe".
VALUE LABELS h2opub        0 "no water from a public standpipe"
                     1 "uses water from a public standpipe".

COMPUTE h2opvtwp = 0.
IF (hv201 = 31) h2opvtwp = 1.
```

```
VAR LABELS h2opvtwp "if water is from a private protected well
into dwelling".
VALUE LABELS h2opvtwp 0 "no water from a pvt protected well into
dwelling"
                      1 "uses water from a pvt protected well
into dwelling".

COMPUTE h2opvtwy = 0.
IF (hv201 = 32) h2opvtwy = 1.
VAR LABELS h2opvtwy "if water is from a private protected well
into yard".
VALUE LABELS h2opvtwy 0 "no water from a pvt protected well into
yard"
                      1 "uses water from a pvt protected well
into yard".

COMPUTE h2osurf = 0.
IF ((hv201 > 40 & hv201 < 60) | hv201 = 96) h2osurf = 1.
VAR LABELS h2osurf "if uses surface water for drinking".
VALUE LABELS h2osurf  0 "no surface water for drinking"
                      1 "uses surface water for drinking".


*TOILET.

COMPUTE pflush = 0.
IF (hv205 = 11 & hv225 = 0) pflush = 1.
VAR LABELS pflush "if uses private flush toilet to sewer".
VALUE LABELS pflush        0 "no private flush toilet to sewer"
                      1 "uses private flush toilet to sewer".

COMPUTE sflush = 0.
IF (hv205 = 11 & hv225 = 1) sflush = 1.
VAR LABELS sflush "if uses shared flush toilet to sewer".
VALUE LABELS sflush        0 "no shared flush toilet to sewer"
                      1 "uses shared flush toilet to sewer".

COMPUTE pflushs = 0.
IF (hv205 = 12 & hv225 = 0) pflushs = 1.
VAR LABELS pflushs "if uses private flush toilet to septic".
VALUE LABELS pflushs       0 "no private flush toilet to septic"
                      1 "uses private flush toilet to septic".

COMPUTE sflushs = 0.
IF (hv205 = 12 & hv225 = 1) sflushs = 1.
VAR LABELS sflushs "if uses shared flush toilet to septic".
VALUE LABELS sflushs       0 "no shared flush toilet to septic"
                      1 "uses shared flush toilet to septic".

COMPUTE pviplat = 0.
IF (hv205 = 21 & hv225 = 0) pviplat = 1.
VAR LABELS pviplat "if uses private vip latrine".
```

```
VALUE LABELS pviplat       0 "no private vip latrine"
                     1 "uses private vip latrine".

COMPUTE sviplat = 0.
IF (hv205 = 21 & hv225 = 1) sviplat = 1.
VAR LABELS sviplat "if uses shared vip latrine".
VALUE LABELS sviplat       0 "no shared vip latrine"
                     1 "uses shared vip latrine".

COMPUTE ppitlat = 0.
IF (hv205 = 22 & hv225 = 0) ppitlat = 1.
VAR LABELS ppitlat "if uses private pit latrine".
VALUE LABELS ppitlat       0 "no private pit latrine"
                     1 "uses private pit latrine".

COMPUTE spitlat = 0.
IF (hv205 = 22 & hv225 = 1) spitlat = 1.
VAR LABELS spitlat "if uses shared pit latrine".
VALUE LABELS spitlat       0 "no shared pit latrine"
                     1 "uses shared pit latrine".

COMPUTE latbush = 0.
IF (hv205 = 31 | hv205 = 96) latbush = 1.
VAR LABELS latbush "if uses the bush for latrine".
VALUE LABELS latbush       0 "no bush for latrine"
                     1 "uses bush for latrine".


*PHONES.

COMPUTE landline = 0.
IF (hv221 = 1) landline = 1.
VAR LABELS landline "If hh has a landline phone".
VAL LABELS landline   0 "no"
                1 "yes".

COMPUTE cellline = 0.
IF (hv243a = 1) cellline = 1.
VAR LABELS cellline "If hh has a cell phone".
VAL LABELS cellline   0 "no"
                1 "yes".


* FLOORING.

COMPUTE dirtfloo = 0.
IF (hv213 = 11) dirtfloo = 1.
VAR LABELS dirtfloo "If hh has an earth/sand floor".
VAL LABELS dirtfloo   0 "no"
                1 "yes".

COMPUTE dungfloo = 0.
```

```
IF (hv213 = 12) dungfloo = 1.
VAR LABELS dungfloo "If hh has a dung floor".
VAL LABELS dungfloo   0 "no"
                1 "yes".

COMPUTE vinfloo = 0.
IF (hv213 = 32) vinfloo = 1.
VAR LABELS vinfloo "If hh has a vinyl strips floor".
VAL LABELS vinfloo    0 "no"
                1 "yes".

COMPUTE finfloo = 0.
IF (hv213 = 31 | hv213 = 33 | hv213 = 35) finfloo = 1.
VAR LABELS finfloo "If hh has a nice finished floor".
VAL LABELS finfloo    0 "no"
                1 "yes".

COMPUTE cemtfloo = 0.
IF (hv213 = 34 | hv213 = 96) cemtfloo = 1.
VAR LABELS cemtfloo "If hh has a cement floor".
VAL LABELS cemtfloo   0 "no"
                1 "yes".


*COOKING FUEL.

COMPUTE cookgas = 0.
IF (hv226 = 2 | hv226 = 1) cookgas = 1.
VAR LABELS cookgas "if cooking fuel is nat gas + 2 cases elec".
VALUE LABELS cookgas  0 "cooking fuel is not nat gas"
                      1 "cooking fuel is nat gas".

COMPUTE cookcoal = 0.
IF (hv226 = 6) cookcoal = 1.
VAR LABELS cookcoal "if cooking fuel is charcoal".
VALUE LABELS cookcoal 0 "cooking fuel is not charcoal"
                      1 "cooking fuel is charcoal".

COMPUTE cookraw = 0.
IF (hv226 = 7 | hv226 = 8) cookraw = 1.
VAR LABELS cookraw "if cooking fuel is wood/straw/dung".
VALUE LABELS cookraw  0 "cooking fuel is not wood/straw/dung"
                      1 "cooking fuel is wood/straw/dung".

COMPUTE cookoth = 0.
IF (hv226 = 96) cookoth = 1.
VAR LABELS cookoth "if cooking fuel is other".
VALUE LABELS cookoth  0 "cooking fuel is not other"
                      1 "cooking fuel is other".
```

```
RECODE hv206 (MISSING = 0).
RECODE hv207 (MISSING = 0).
RECODE hv208 (MISSING = 0).
RECODE hv209 (MISSING = 0).
RECODE hv210 (MISSING = 0).
RECODE hv211 (MISSING = 0).
RECODE hv212 (MISSING = 0).
RECODE hv221 (MISSING = 0).
RECODE hv243a (MISSING = 0).
RECODE hv243c (MISSING = 0).
RECODE sh16d (MISSING = 0).
RECODE sh16e (MISSING = 0).
RECODE sh16j (MISSING = 0).
RECODE sh16k (MISSING = 0).
RECODE sh16l (MISSING = 0).
RECODE sh16m (MISSING = 0).
RECODE sh16n (MISSING = 0).
RECODE sh20c (MISSING = 0).
RECODE sh20f (MISSING = 0).
RECODE sh20g (MISSING = 0).
RECODE sh20h (MISSING = 0).
RECODE sh20j (MISSING = 0).
RECODE sh20k (MISSING = 0).
RECODE sh20l (MISSING = 0).
RECODE sh20m (MISSING = 0).
EXECUTE.

FREQUENCIES
  VARIABLES=hv201 hv205 hv206 hv207 hv208 hv209 hv210 hv211 hv212
hv213
hv216 hv221 hv225 hv226  hv243c sh16d sh16e sh16j
sh16k sh16l sh16m sh16n sh20c sh20f sh20g sh20h sh20j sh20k sh20l
sh20m
  /ORDER=  ANALYSIS .


FREQUENCIES
  VARIABLES=hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv243c
sh16d
sh16e sh16j sh16k sh16l sh16m sh16n sh20c sh20f sh20g sh20h sh20j
sh20k
sh20l sh20m memsleep h2oires h2oores h2opub h2opvtwp h2opvtwy
h2osurf pflush
sflush pflushs sflushs pviplat sviplat ppitlat spitlat latbush
landline cellline dirtfloo dungfloo
vinfloo finfloo cemtfloo cookgas cookcoal cookraw cookoth
  /ORDER=  ANALYSIS .



FACTOR
  /VARIABLES hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv243c
```

```
sh16d
sh16e sh16j sh16k sh16l sh16m sh16n sh20c sh20f sh20g sh20h sh20j
sh20k
sh20l sh20m memsleep h2oires h2oores h2opub h2opvtwp h2opvtwy
h2osurf pflush
sflush pflushs sflushs pviplat sviplat ppitlat spitlat latbush
landline cellline dirtfloo dungfloo
vinfloo finfloo cemtfloo cookgas cookcoal cookraw cookoth
  /MISSING MEANSUB /ANALYSIS hv206 hv207 hv208 hv209 hv210 hv211
hv212 hv243c sh16d
sh16e sh16j sh16k sh16l sh16m sh16n sh20c sh20f sh20g sh20h sh20j
sh20k
sh20l sh20m memsleep h2oires h2oores h2opub h2opvtwp h2opvtwy
h2osurf pflush
sflush pflushs sflushs pviplat sviplat ppitlat spitlat latbush
landline cellline dirtfloo dungfloo
vinfloo finfloo cemtfloo cookgas cookcoal cookraw cookoth
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /SAVE REG(ALL)
  /METHOD=CORRELATION .



COMPUTE hhmemwt = hv005/1000000 * hv012 .
VARIABLE LABELS hhmemwt 'HH members weighting for Index' .

WEIGHT
BY hhmemwt .
FREQUENCIES
VARIABLES=fac1_1  /FORMAT=NOTABLE
/NTILES= 5
/STATISTICS=STDDEV MINIMUM MAXIMUM MEAN MEDIAN /ORDER  ANALYSIS .

RECODE
fac1_1
(Lowest thru -0.910497048195=1)  (-0.910497048195 thru
-0.4722016291959=2)  (-0.4722016291959 thru
0.5323771735526=3)  (0.5323771735526 thru 1.345792714467=4)
(1.345792714467 thru Highest=5)  INTO wlthind5 .
VARIABLE LABELS wlthind5 'Wealth Index Quintiles'.
EXECUTE .

write outfile='C:\Documents and Settings\Kiersten.B.Johnson
\Desktop\senegal MIS\scores.dat' records=1 table
/hhid fac1_1 wlthind5.
execute.


MEANS
```

```
  TABLES=hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv243c sh16d
sh16e sh16j sh16k sh16l sh16m sh16n sh20c sh20f sh20g sh20h sh20j
sh20k
sh20l sh20m memsleep h2oires h2oores h2opub h2opvtwp h2opvtwy
h2osurf pflush
sflush pflushs sflushs pviplat sviplat ppitlat spitlat latbush
landline cellline dirtfloo dungfloo
vinfloo finfloo cemtfloo cookgas cookcoal cookraw cookoth
BY
 wlthind5
  /CELLS MEAN  .

FREQ wlthind5.
WEIGHT OFF.
FREQ wlthind5.
```