```
* sierra leone.

FREQ hv015.
* 94 percent of hhs responded.

SELECT IF hv015 = 1.
EXECUTE.

FREQ HV201 HV205 HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV213
HV214 HV215 HV216 HV221 HV225 HV226 HV242 HV243A HV243B HV243C
HV243D HV244 HV245 HV246 HV246A HV246B HV246C HV246D HV246E
HV246F
HV246G HV246H HV246I HV246J HV246K HV247.



* WATER.

COMPUTE h2opipe = 0.
IF (hv201 = 11) h2opipe = 1.
VAR LABELS h2opipe "if gets water piped into home".
VAL LABELS h2opipe    0 "no water piped into home"
                1 "water is piped into home".

COMPUTE h2oyard = 0.
IF (hv201 = 12 | hv201 = 71) h2oyard = 1.
VAR LABELS h2oyard "if gets water piped into yard (+24 bottle)".
VAL LABELS h2oyard    0 "no water piped into yard"
                1 "water is piped into yard".

COMPUTE h2opub = 0.
IF (hv201 = 13) h2opub = 1.
VAR LABELS h2opub "if gets water from piped public source".
VAL LABELS h2opub     0 "no water from piped public source"
                1 "water is from piped public source".

COMPUTE h2otube = 0.
IF (hv201 = 21) h2otube = 1.
VAR LABELS h2otube "if gets water from a tube/borehole well".
VAL LABELS h2otube    0 "no water from a tube/borehole well"
                1 "water is from a tube/borehole well".

COMPUTE h2ppvwel = 0.
IF (hv201 = 31) h2ppvwel = 1.
VAR LABELS h2ppvwel "if gets water from a protected well".
VAL LABELS h2ppvwel   0 "no water from a protected well"
                1 "water is from a protected well".

COMPUTE h2pydwel = 0.
IF (hv201 = 32) h2pydwel = 1.
VAR LABELS h2pydwel "if gets water from an unprotected well".
```

```
VAL LABELS h2pydwel   0 "no water from an unprotected well"
                1 "water is from an unprotected well".

COMPUTE h2spring = 0.
IF (hv201 = 41 | hv201 = 42) h2spring = 1.
VAR LABELS h2spring "if gets water from a spring".
VAL LABELS h2spring   0 "no water from a spring"
                1 "water is from a spring".

COMPUTE h2osurf = 0.
IF (hv201 = 43) h2osurf = 1.
VAR LABELS h2osurf "if gets water from a surface source".
VAL LABELS h2osurf    0 "no water from a surface source"
                1 "water is from a surface source".

COMPUTE h2ooth = 0.
IF (hv201 = 96 | hv201 = 51 | hv201 = 61 | hv201 = 62) h2ooth =
1.
VAR LABELS h2ooth "if gets water from other".
VAL LABELS h2ooth     0 "no water from other"
                1 "water is from other".



*TOILET.

COMPUTE flpvts = 0.
IF ((hv205 = 11 | hv205 = 12 | hv205 = 13 | hv205 = 14 | hv205 =
15) & hv225 = 0) flpvts = 1.
VAR LABELS flpvts "if uses pvt flush toilet to sewer".
VAL LABELS flpvts     0 "does not use pvt flush toilet"
                1 "uses pvt flush toilet".

COMPUTE flshrs = 0.
IF ((hv205 = 11 | hv205 = 12 | hv205 = 13 | hv205 = 14 | hv205 =
15) & hv225 = 1) flshrs = 1.
VAR LABELS flshrs "if uses shared flush toilet to sewer".
VAL LABELS flshrs     0 "does not use shared flush toilet"
                1 "uses shared flush toilet".

COMPUTE vippvt = 0.
IF (hv205 = 21 & hv225 = 0) vippvt = 1.
VAR LABELS vippvt "if uses pvt vip latrine".
VAL LABELS vippvt     0 "does not use pvt vip latrine"
                1 "uses pvt vip latrine".

COMPUTE vipshr = 0.
IF ((hv205 = 21 | hv205 = 41) & hv225 = 1) vipshr = 1.
VAR LABELS vipshr "if uses shared vip latrine".
VAL LABELS vipshr     0 "does not use shared vip latrine"
                1 "uses shared vip latrine".
```

```
COMPUTE latpvtsl = 0.
IF ((hv205 = 21 | hv205 = 41) & hv225 = 0) latpvtsl = 1.
VAR LABELS latpvtsl "if uses pvt trad latrine w slab".
VAL LABELS latpvtsl   0 "does not use pvt trad latrine"
                1 "uses pvt trad latrine".

COMPUTE latshrsl = 0.
IF (hv205 = 22 & hv225 = 1) latshrsl = 1.
VAR LABELS latshrsl "if uses shared trad latrine w slab".
VAL LABELS latshrsl   0 "does not use shared trad latrine"
                1 "uses shared trad latrine".

COMPUTE latpvt = 0.
IF (hv205 = 23 & hv225 = 0) latpvt = 1.
VAR LABELS latpvt "if uses pvt trad latrine w/o slab".
VAL LABELS latpvt     0 "does not use pvt trad latrine"
                1 "uses pvt trad latrine".

COMPUTE latshr = 0.
IF (hv205 = 23 & hv225 = 1) latshr = 1.
VAR LABELS latshr "if uses shared trad latrine w/o slab".
VAL LABELS latshr     0 "does not use shared trad latrine"
                1 "uses shared trad latrine".

COMPUTE latbush = 0.
IF (hv205 = 31 | hv205 = 71) latbush = 1.
VAR LABELS latbush "if uses bush for latrine (+44 stream/river)".
VAL LABELS latbush    0 "does not use bush for latrine"
                1 "uses bush for latrine".

COMPUTE hangpvt = 0.
IF (hv205 = 43 & hv225 = 0) hangpvt = 1.
VAR LABELS hangpvt "if uses pvt hanging trad latrine".
VAL LABELS hangpvt    0 "does not use hang pvt trad latrine"
                1 "uses hang pvt trad latrine".

COMPUTE hangshr = 0.
IF (hv205 = 43 & hv225 = 1) hangshr = 1.
VAR LABELS hangshr "if uses shared hang latrine w slab".
VAL LABELS hangshr    0 "does not use shared hang latrine"
                1 "uses shared hang latrine".

COMPUTE latoth = 0.
IF (hv205 = 42 | hv205 = 96) latoth = 1.
VAR LABELS latoth "if uses other latrine (+21 cases bucket)".
VAL LABELS latoth     0 "does not use other latrine"
                1 "uses other latrine".



* FLOORING.
```

```
COMPUTE dirtfloo = 0.
IF (hv213 = 11 | hv213 = 22) dirtfloo = 1.
VAR LABELS dirtfloo "if floors are made of earth (+6 cases
palm/bamboo)".
VAL LABELS dirtfloo   0 "floors are not made of earth"
                      1 "floors are made of earth".

COMPUTE dungfloo = 0.
IF (hv213 = 12) dungfloo = 1.
VAR LABELS dungfloo "if floors are made of dung".
VAL LABELS dungfloo   0 "floors are not made of dung"
                      1 "floors are made of dung".

COMPUTE stonfloo = 0.
IF (hv213 = 13 | hv213 = 21) stonfloo = 1.
VAR LABELS stonfloo "if floors are made of stone (+13 wood
planks)".
VAL LABELS stonfloo   0 "floors are not made of stone"
                      1 "floors are made of stone".

COMPUTE tilefloo = 0.
IF (hv213 = 31 | hv213 = 33 | hv213 = 32) tilefloo = 1.
VAR LABELS tilefloo "if floors are made of ceramic/wood tile".
VAL LABELS tilefloo   0 "floors are not made of ceramic/wood
tile"
                      1 "floors are made of ceramic/wood tile".

COMPUTE cemtfloo = 0.
IF (hv213 = 34 | hv213 = 96) cemtfloo = 1.
VAR LABELS cemtfloo "if floors are made of cement (+6 other)".
VAL LABELS cemtfloo   0 "floors are not made of cement"
                      1 "floors are made of cement".

COMPUTE carpfloo = 0.
IF (hv213 = 35) carpfloo = 1.
VAR LABELS carpfloo "if floors are made of carpet".
VAL LABELS carpfloo   0 "floors are not made of carpet"
                      1 "floors are made of carpet".


* WALLS.

COMPUTE skyw = 0.
IF (hv214 = 11) skyw = 1.
VAR LABELS skyw "if walls are made of sky".
VAL LABELS skyw  0 "walls are not made of sky"
                      1 "walls are made of sky".

COMPUTE greenw = 0.
IF (hv214 = 12 | hv214 = 13) greenw = 1.
VAR LABELS greenw "if walls are made of cane/palm/trunks/dirt".
VAL LABELS greenw     0 "walls are not made of
```

```
cane/palm/trunks/dirt"
                1 "walls are made of cane/palm/trunks/dirt".

COMPUTE mudblkw = 0.
IF (hv214 = 14 | hv214 = 23 | hv214 = 27) mudblkw = 1.
VAR LABELS mudblkw "if walls are made of mud bricks (+4 uncovered
adobe +67 clay blocks)".
VAL LABELS mudblkw    0 "walls are not made of mud bricks"
                1 "walls are made of mud bricks".

COMPUTE mudnatw = 0.
IF (hv214 = 21 | hv214 = 22) mudnatw = 1.
VAR LABELS mudnatw "if walls are made of mud and bamboo or
stone".
VAL LABELS mudnatw    0 "walls are not made of mud and bamboo or
stone"
                1 "walls are made of mud and bamboo or stone".

COMPUTE etcw = 0.
IF (hv214 = 24 | hv214 = 25 | hv214 = 26 | hv214 = 29) etcw = 1.
VAR LABELS etcw "if walls are made of various recycled
materials".
VAL LABELS etcw  0 "walls are not made of various recycled
materials"
                1 "walls are made of various recycled materials".

COMPUTE ironw = 0.
IF (hv214 = 28) ironw = 1.
VAR LABELS ironw "if walls are made of corrugated iron sheets".
VAL LABELS ironw 0 "walls are not made of corrugated iron sheets"
                1 "walls are made of corrugated iron sheets".

COMPUTE cemtw = 0.
IF (hv214 = 31) cemtw = 1.
VAR LABELS cemtw "if walls are made of cemt".
VAL LABELS cemtw 0 "walls are not made of cemt"
                1 "walls are made of cemt".

COMPUTE brickw = 0.
IF (hv214 = 32 | hv214 = 33) brickw = 1.
VAR LABELS brickw "if walls are made of brick or of stone w
lime/cement".
VAL LABELS brickw     0 "walls are not made of brick"
                1 "walls are made of brick".

COMPUTE cmtblkw = 0.
IF (hv214 = 34) cmtblkw = 1.
VAR LABELS cmtblkw "if walls are made of cement blocks".
VAL LABELS cmtblkw    0 "walls are not made of cement blocks"
                1 "walls are made of cement blocks".

COMPUTE othfinw = 0.
```

```
IF (hv214 = 35 | hv214 = 36) othfinw = 1.
VAR LABELS othfinw "if walls are other fin wall (covered adobe,
wood planks w shingles".
VAL LABELS othfinw    0 "walls are not made of oth fin"
                1 "walls are made of oth fin".



* ROOF.

COMPUTE skyr = 0.
IF (hv215 = 11) skyr = 1.
VAR LABELS skyr "if roof is made of sky".
VAL LABELS skyr  0 "roof is not made of sky"
                1 "roof is made of sky".

COMPUTE strawr = 0.
IF (hv215 = 12 | hv215 = 13 | hv215 = 21 | hv215 = 22 | hv215 =
23) strawr = 1.
VAR LABELS strawr "if roof is made of natural materials".
VAL LABELS strawr     0 "roof is not made of natural materials"
                1 "roof is made of natural materials".

COMPUTE paperr = 0.
IF (hv215 = 24) paperr = 1.
VAR LABELS paperr "if roof is made of cardboard".
VAL LABELS paperr     0 "roof is not made of cardboard"
                1 "roof is made of cardboard".

COMPUTE tarpr = 0.
IF (hv215 = 25) tarpr = 1.
VAR LABELS tarpr "if roof is made of tarpaulin".
VAL LABELS tarpr 0 "roof is not made of tarpaulin"
                1 "roof is made of tarpaulin".

COMPUTE metalr = 0.
IF (hv215 = 31) metalr = 1.
VAR LABELS metalr "if roof is made of metal (corrugate iron)".
VAL LABELS metalr     0 "roof is not made of metal"
                1 "roof is made of metal".

COMPUTE cemtr = 0.
IF (hv215 = 35) cemtr = 1.
VAR LABELS cemtr "if roof is made of cemt".
VAL LABELS cemtr 0 "roof is not made of cemt/tile"
                1 "roof are made of cemt".

COMPUTE othr = 0.
IF (hv215 = 32 | hv215 = 33 | hv215 = 34 | hv215 = 36 | hv215 =
37) othr = 1.
VAR LABELS othr "if roof is made of other fin mats".
VAL LABELS othr  0 "roof is not made of other fin mats"
```

```
                1 "roof are made of other fin mats".


* COOKING FUEL.

COMPUTE cookkero = 0.
IF (hv226 < 6) cookkero = 1.
VAR LABELS cookkero "if uses kero for cooking (+3elec, +2LPG)".
VAL LABELS cookkero   0 "no kero cooking fuel"
                1 "uses kero cooking fuel".

COMPUTE cookcoal = 0.
IF (hv226 = 6) cookcoal = 1.
VAR LABELS cookcoal "if uses coal for cooking".
VAL LABELS cookcoal   0 "no coal cooking fuel"
                1 "uses coal cooking fuel".

COMPUTE cookchar = 0.
IF (hv226 = 7) cookchar = 1.
VAR LABELS cookchar "if uses charcoal for cooking".
VAL LABELS cookchar   0 "no charcoal cooking fuel"
                1 "uses charcoal cooking fuel".

COMPUTE cookwood = 0.
IF (hv226 = 8 | hv226 = 96) cookwood = 1.
VAR LABELS cookwood "if uses wood for cooking (+3 other)".
VAL LABELS cookwood   0 "no wood cooking fuel"
                1 "uses wood cooking fuel".


COMPUTE cookbio = 0.
IF (hv226 > 8 & hv226 < 12) cookbio = 1.
VAR LABELS cookbio "if uses biofuels for cooking
(straw/shrubs/grass/cropres/dung)".
VAL LABELS cookbio    0 "no bio cooking fuel"
                1 "uses bio cooking fuel".

COMPUTE cooknone = 0.
IF (hv226 = 95) cooknone = 1.
VAR LABELS cooknone "if no food is cooked in the hh".
VAL LABELS cooknone   0 "cooks in hh"
                1 "no cooking done in hh".


* If kitchen is separate room.
COMPUTE kitchen = 0.
IF (hv242 = 1) kitchen = 1.
VAR LABELS kitchen "if has separate room for kitchen in hh".
VAL LABELS kitchen    0 "no separate kitchen"
                1 "has separate room for kitchen".

* Number of sleeping rooms.
```

```
COMPUTE memsleep = (hv012/hv216).
IF (MISSING(hv216)) hv216 = hv012.
VARIABLE LABELS memsleep "number of members per sleeping room".

* Ag land ownership; those who DK how much land they own are
given the median N of hectares (5).
COMPUTE hectares = 0.
IF (hv244 = 1) hectares = hv245.
IF (hv245 = 98) hectares = 5.
VAR LABELS hectares "ownership of agricultural land".

EXECUTE.

*replace missing w don't have:.
IF (MISSING(hv206)) hv206 = 0.
IF (MISSING(hv207)) hv207 = 0.
IF (MISSING(hv208)) hv208 = 0.
IF (MISSING(hv209)) hv209 = 0.
IF (MISSING(hv210)) hv210 = 0.
IF (MISSING(hv211)) hv211 = 0.
IF (MISSING(hv212)) hv212 = 0.

IF (MISSING(hv243a)) hv243a = 0.
IF (MISSING(hv243b)) hv243b = 0.
IF (MISSING(hv243c)) hv243c = 0.
IF (MISSING(hv243d)) hv243d = 0.

IF (MISSING(hv246b)) hv246b = 0.
IF (MISSING(hv246d)) hv246d = 0.
IF (MISSING(hv246e)) hv246e = 0.
IF (MISSING(hv246f)) hv246f = 0.
IF (MISSING(hv246g)) hv246g = 0.
IF (MISSING(hv246h)) hv246h = 0.
IF (MISSING(hv246i)) hv246i = 0.
IF (MISSING(hv246j)) hv246j = 0.
IF (MISSING(hv247)) hv247 = 0.

EXECUTE.


FREQ HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV242
HV243A HV243B HV243C HV243D HV246B HV246D HV246E HV246F
HV246G HV246I HV246J HV247 h2opipe h2oyard h2opub h2otube
h2ppvwel h2pydwel h2spring h2osurf h2ooth flpvts flshrs vippvt
vipshr latpvtsl
latshrsl latpvt latshr latbush hangpvt hangshr latoth dirtfloo
dungfloo stonfloo
tilefloo cemtfloo carpfloo skyw greenw mudblkw mudnatw etcw ironw
cemtw
brickw cmtblkw othfinw skyr strawr paperr tarpr metalr cemtr othr
cookkero
cookcoal cookchar cookwood cookbio cooknone kitchen memsleep
```

```
hectares.


FACTOR
  /VARIABLES HV206 HV207 HV208 HV209 HV210 HV211 HV212
HV243A HV243B HV246B HV246D HV246E HV246F
HV246J HV247 strawr tarpr metalr cemtr othr
cookchar cookwood cooknone kitchen memsleep hectares
cookbio cookkero dirtfloo dungfloo stonfloo
tilefloo cemtfloo carpfloo greenw mudblkw mudnatw ironw cemtw
brickw cmtblkw othfinw
h2opipe h2oyard h2opub h2otube
h2ppvwel h2pydwel h2spring h2osurf
etcw paperr cookcoal hangpvt hangshr skyw skyr HV243D
flpvts flshrs vippvt vipshr latpvt latshr latbush latoth
  /MISSING MEANSUB /ANALYSIS HV206 HV207 HV208 HV209 HV210 HV211
HV212
HV243A HV243B HV246B HV246D HV246E HV246F
HV246J HV247 strawr tarpr metalr cemtr othr
cookchar cookwood cooknone kitchen memsleep hectares
cookbio cookkero dirtfloo dungfloo stonfloo
tilefloo cemtfloo carpfloo greenw mudblkw mudnatw ironw cemtw
brickw cmtblkw othfinw
h2opipe h2oyard h2opub h2otube
h2ppvwel h2pydwel h2spring h2osurf
etcw paperr cookcoal hangpvt hangshr skyw skyr HV243D
flpvts flshrs vippvt vipshr latpvt latshr latbush latoth
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /SAVE REG(ALL)
  /METHOD=CORRELATION .


* rm due to non-pos-def matrix : hv245i (rodents), HV243C (cart),
HV246G (pigs), h2ooth (other water source), latpvtsl latshrsl.


save outfile="C:\Users\kiersten.b.johnson\Desktop\reqs
\sierraleone2008\slassets.sav".
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 -0.8065366318848=1)  (-0.8065366318848 thru
-0.5564631305088=2)  (-0.5564631305088 thru
-0.1918238299667=3)  (-0.1918238299667 thru 0.5763949305994=4)
(0.5763949305994 thru Highest=5)  INTO
wlthind5 .
VARIABLE LABELS wlthind5 'Wealth Index Quintiles'.
EXECUTE .

write outfile="C:\Users\kiersten.b.johnson\Desktop\reqs
\sierraleone2008\slassets.dat" records=1 table
/hhid fac1_1 wlthind5.
execute.

MEANS
  TABLES=HV206 HV207 HV208 HV209 HV210 HV211 HV212
HV243A HV243B HV246B HV246D HV246E HV246F
HV246J HV247 strawr tarpr metalr cemtr othr
cookchar cookwood cooknone kitchen memsleep hectares
BY
 wlthind5
  /CELLS MEAN  .



FREQ  wlthind5.
weight off.
FREQ  wlthind5.
```