```
FREQUENCIES
  VARIABLES=hv012 hv013 hv015 hv025 hv201 hv205 hv206 hv207 hv208
hv209 hv210 hv211
  hv212 hv213 hv214 hv215 hv216 hv221 hv225 hv226 hv242 hv243a
hv243b hv243c
  hv243d hv245 hv246b hv246c hv246d hv246e hv246f hv246g hv246h
hv246i
  sh119a sh119b sh119c sh119d sh121f
  /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) h2oires = 1.
VAR LABELS h2oires "if water is piped into residence".
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 h2oowel = 0.
IF (hv201 = 21) h2oowel = 1.
```

```
VAR LABELS h2oowel "if water is from tube/borehole well".
VALUE LABELS h2oowel  0 "no water from tube/borehole well"
                      1 "uses water from tube/borehole well".

COMPUTE h2odwelp = 0.
IF (hv201 = 31) h2odwelp = 1.
VAR LABELS h2odwelp "if water is from a dug, protected well".
VALUE LABELS h2odwelp 0 "no water from a dug, protected well"
                      1 "uses water from a dug, protected well".

COMPUTE h2odwelu = 0.
IF (hv201 = 32) h2odwelu = 1.
VAR LABELS h2odwelu "if water is from a dug, unprotected well".
VALUE LABELS h2odwelu 0 "no water from a dug, unprotected well"
                      1 "uses water from a dug, unprotected
well".

COMPUTE h2ospgp = 0.
IF (hv201 = 41) h2ospgp = 1.
VAR LABELS h2ospgp "if water is from a protected spring".
VALUE LABELS h2ospgp  0 "no water from protected spring"
                      1 "uses water from protected spring".

COMPUTE h2ospgu = 0.
IF (hv201 = 42) h2ospgu = 1.
VAR LABELS h2ospgu "if water is from an unprotected spring".
VALUE LABELS h2ospgu  0 "no water from unprotected spring"
                      1 "uses water from unprotected spring".

COMPUTE h2orain = 0.
IF (hv201 = 51) h2orain = 1.
VAR LABELS h2orain "if water is from rain".
VALUE LABELS h2orain  0 "no water from rain"
                      1 "uses water from rain".

COMPUTE h2otruck = 0.
IF (hv201 = 61) h2otruck = 1.
VAR LABELS h2otruck "if water is from tanker truck".
VALUE LABELS h2otruck 0 "no water from tanker truck"
                      1 "uses water from tanker truck".

COMPUTE h2osurf = 0.
IF (hv201 = 63) 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".

COMPUTE h2osale = 0.
IF (hv201 = 64) h2osale = 1.
VAR LABELS h2osale "if water is for sale from company".
VALUE LABELS h2osale  0 "no water for sale from company"
                      1 "uses water for sale from company".
```

```
COMPUTE h2obottl = 0.
IF (hv201 = 71) h2obottl = 1.
VAR LABELS h2obottl "if water is from bottle".
VALUE LABELS h2obottl 0 "no water from bottle"
                      1 "uses water from bottle".

COMPUTE h2ooth = 0.
IF (hv201 = 62 | hv201 = 96) h2ooth = 1.
VAR LABELS h2ooth "if water is from other".
VALUE LABELS h2ooth   0 "no water from other"
                      1 "uses water from other".

*TOILET.

COMPUTE pflush = 0.
IF ((hv205 = 11 | hv205 = 12) & hv225 = 0) pflush = 1.
VAR LABELS pflush "if uses private flush toilet to sewer or
septic".
VALUE LABELS pflush        0 "no private flush toilet to sewer or
septic"
                      1 "uses private flush toilet to sewer or
septic".

COMPUTE sflush = 0.
IF ((hv205 = 11 | hv205 = 12) & hv225 = 1) sflush = 1.
VAR LABELS sflush "if uses shared flush toilet to sewer or
septic".
VALUE LABELS sflush        0 "no shared flush toilet to sewer or
septic"
                      1 "uses shared flush toilet to sewer or
septic".

COMPUTE pitflush = 0.
IF ((hv205 = 13 | hv205 = 15) & hv225 = 0) pitflush = 1.
VAR LABELS pitflush "if uses private flush toilet to pitlat".
VALUE LABELS pitflush      0 "no private flush toilet to pitlat"
                      1 "uses private flush toilet to pitlat".

COMPUTE sitflush = 0.
IF ((hv205 = 13 | hv205 = 15) & hv225 = 1) sitflush = 1.
VAR LABELS sitflush "if uses shared flush toilet to pitlat".
VALUE LABELS sitflush      0 "no shared flush toilet to pitlat"
                      1 "uses shared flush toilet to pitlat".

COMPUTE ppitlat = 0.
IF ((hv205 = 21 | hv205 = 96) & 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 = 21 | hv205 = 96) & 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 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 ppitlats = 0.
IF (hv205 = 22 & hv225 = 0) ppitlats = 1.
VAR LABELS ppitlats "if uses private pit latrine w slab".
VALUE LABELS ppitlats      0 "no private pit latrine w slab"
                     1 "uses private pit latrine w slab".

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

COMPUTE ppitlatn = 0.
IF (hv205 = 23 & hv225 = 0) ppitlatn = 1.
VAR LABELS ppitlatn "if uses private pit latrine w/o slab".
VALUE LABELS ppitlatn      0 "no private pit latrine w/o slab"
                     1 "uses private pit latrine w/o slab".

COMPUTE spitlatn = 0.
IF ((hv205 = 23 & hv225 = 1) spitlatn = 1.
VAR LABELS spitlatn "if uses shared pit latrine w/o slab".
VALUE LABELS spitlatn      0 "no shared pit latrine w/o slab"
                     1 "uses shared pit latrine w/o slab".

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

COMPUTE phanglat = 0.
IF ((hv205 > 40 & hv205 < 97) & hv225 = 0) phanglat = 1.
VAR LABELS phanglat "if uses private hanging latrine + 16other".
VALUE LABELS phanglat 0 "no private hanging latrine"
                     1 "uses private hanging latrine".
```

```
COMPUTE shanglat = 0.
IF ((hv205 > 40 & hv205 < 97) & hv225 = 1) shanglat = 1.
VAR LABELS shanglat "if uses shared hanging latrine + 16other".
VALUE LABELS shanglat 0 "no shared hanging latrine"
                      1 "uses shared hanging latrine".


*FLOOR.

COMPUTE natfloo = 0.
IF (hv213 = 11 | hv213 = 12) natfloo = 1.
VAR LABELS natfloo "if has a floor made of dirt, dung".
VALUE LABELS natfloo  0 "no natural floor"
                 1 "has natural floor".

COMPUTE grnfloo = 0.
IF (hv213 = 21 | hv213 = 22) grnfloo = 1.
VAR LABELS grnfloo "if has a floor made of wood planks, palm".
VALUE LABELS grnfloo  0 "no green floor"
                 1 "has green floor".

COMPUTE finfloo = 0.
IF (hv213 = 32 | hv213 = 34 | hv213 = 96) finfloo = 1.
VAR LABELS finfloo "if has a finished floor - cemt, vinyl/asphalt
strips".
VALUE LABELS finfloo  0 "no finished floor"
                      1 "has finished floor".

COMPUTE nicefloo = 0.
IF (hv213 = 31 | hv213 = 33 | hv213 = 35) nicefloo = 1.
VAR LABELS nicefloo "if has a nicely finished floor - parquet,
ceramic tile, carpet".
VALUE LABELS nicefloo 0 "no nicely finished floor"
                      1 "has nicely finished floor".


*WALL.

COMPUTE natwall = 0.
IF (hv214 = 11 | hv214 = 13) natwall = 1.
VAR LABELS natwall "if has a wall made of dirt".
VALUE LABELS natwall  0 "no natural wall"
                 1 "has natural wall".

COMPUTE grnwall = 0.
IF (hv214 = 12) grnwall = 1.
VAR LABELS grnwall "if has a wall made of wood planks, palm".
VALUE LABELS grnwall  0 "no green wall"
                 1 "has green wall".

COMPUTE bmwall = 0.
```

```
IF (hv214 = 21) bmwall = 1.
VAR LABELS bmwall "if has a wall made of bamboo + mud".
VALUE LABELS bmwall   0 "no bamboo + mud wall"
                 1 "has bamboo + mud wall".

COMPUTE smwall = 0.
IF (hv214 = 22) smwall = 1.
VAR LABELS smwall "if has a wall made of stone + mud".
VALUE LABELS smwall   0 "no stone + mud wall"
                 1 "has stone + mud wall".

COMPUTE cemtwall = 0.
IF (hv214 = 31) cemtwall = 1.
VAR LABELS cemtwall "if has a cemt wall".
VALUE LABELS cemtwall 0 "no cemt wall"
                      1 "has cemt wall".

COMPUTE stcmwall = 0.
IF (hv214 = 32) stcmwall = 1.
VAR LABELS stcmwall "if has a stone + cemt wall".
VALUE LABELS stcmwall 0 "no stone + cemt wall"
                      1 "has stone + cemt wall".

COMPUTE blckwall = 0.
IF (hv214 = 33 | hv214 = 34) blckwall = 1.
VAR LABELS blckwall "if has a cemt block wall".
VALUE LABELS blckwall 0 "no cemt block wall"
                      1 "has cemt block wall".

COMPUTE rudwall = 0.
IF (hv214 = 35 | hv214 = 36) rudwall = 1.
VAR LABELS rudwall "if has a rudimentary, finished wall".
VALUE LABELS rudwall  0 "no rudimentary, finished wall"
                      1 "has rudimentary, finished wall".

COMPUTE othwall = 0.
IF ((hv214 > 22 & hv214 < 27) | hv214 = 35 | hv214 = 96) othwall
= 1.
VAR LABELS othwall "if has other usu. rudimentary walls".
VALUE LABELS othwall  0 "no other usu. rudimentary walls"
                 1 "has other usu. rudimentary walls".


*ROOF.

COMPUTE natroof = 0.
IF (hv215 > 11 & hv215 < 24) natroof = 1.
VAR LABELS natroof "if has a roof made of natural materials".
VALUE LABELS natroof  0 "no natural roof"
                 1 "has natural roof".

COMPUTE rudroof = 0.
```

```
IF (hv215 < 30 & hv215 < 34) rudroof = 1.
VAR LABELS rudroof "if has a roof made of rudimentary materials
(metal)".
VALUE LABELS rudroof  0 "no roof made of rudimentary materials"
                1 "has roof made of rudimentary materials".

COMPUTE finroof = 0.
IF (hv215 > 33 & hv215 < 37) finroof = 1.
VAR LABELS finroof "if has a finished roof - cemt, tiles,
shingles".
VALUE LABELS finroof  0 "no finished roof"
                1 "has finished roof".


*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".
EXECUTE.
FREQ landline.

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


*COOKING FUEL.

COMPUTE cookngas = 0.
IF (hv226 > 0 & hv226 < 3) cookngas = 1.
VAR LABELS cookngas "if cooking fuel is electric or nat gas".
VALUE LABELS cookngas 0 "cooking fuel is not electric or nat gas"
                      1 "cooking fuel is electric or nat gas".

COMPUTE cookbgas = 0.
IF (hv226 = 3) cookbgas = 1.
VAR LABELS cookbgas "if cooking fuel is biogas".
VALUE LABELS cookbgas 0 "cooking fuel is not biogas"
                      1 "cooking fuel is biogas".

COMPUTE cookkero = 0.
IF (hv226 = 4) cookkero = 1.
VAR LABELS cookkero "if cooking fuel is kerosene".
VALUE LABELS cookkero 0 "cooking fuel is not kerosene"
                      1 "cooking fuel is electric or kerosene".
```

```
COMPUTE cookcoal = 0.
IF (hv226 = 5 | hv226 = 6) cookcoal = 1.
VAR LABELS cookcoal "if cooking fuel is coal/charcoal".
VALUE LABELS cookcoal 0 "cooking fuel is not coal/charcoal"
                      1 "cooking fuel is coal/charcoal".

COMPUTE cookraw = 0.
IF (hv226 > 6 & hv226 < 97) cookraw = 1.
VAR LABELS cookraw "if cooking fuel is wood/straw/dung".
VALUE LABELS cookraw  0 "cooking fuel is wood/straw/dung"
                      1 "cooking fuel is wood/straw/dung".



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 hv242 (MISSING = 0).
RECODE hv243b (MISSING = 0).
RECODE hv243c (MISSING = 0).
RECODE hv243d (MISSING = 0).

COMPUTE hectares = 0.
COMPUTE hectares = hv245.
RECODE hectares (98 = SYSMISS).

COMPUTE cows = 0.
COMPUTE cows = hv246b.
RECODE cows (98 = SYSMISS).

COMPUTE horsdonk = 0.
COMPUTE horsdonk = hv246c.
RECODE horsdonk (98 = SYSMISS).

COMPUTE goats = 0.
COMPUTE goats = hv246d.
RECODE goats (98 = SYSMISS).

COMPUTE sheep = 0.
COMPUTE sheep = hv246e.
RECODE sheep (98 = SYSMISS).

COMPUTE chix = 0.
COMPUTE chix = hv246f.
RECODE chix (98 = SYSMISS).
```

```
COMPUTE pigs = 0.
COMPUTE pigs = hv246g.
RECODE pigs (98 = SYSMISS).

COMPUTE bunnies = 0.
COMPUTE bunnies = hv246h.
RECODE bunnies (98 = SYSMISS).

COMPUTE guinpigs = 0.
COMPUTE guinpigs = hv246i.
RECODE guinpigs (98 = SYSMISS).

RECODE hv247 (MISSING = 0).
RECODE sh119a (MISSING = 0).
RECODE sh119b (MISSING = 0).
RECODE sh119c (MISSING = 0).
RECODE sh119d (MISSING = 0).
RECODE sh121f (MISSING = 0).
RECODE hectares (MISSING = 0).

EXECUTE.



FREQUENCIES
  VARIABLES=hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv242
hv243b hv243c
  hv247 sh119a sh119b sh119c sh119d sh121f memsleep landline
cellline
  hectares h2oires h2oores h2opub h2oowel h2odwelp h2odwelu
h2ospgp h2ospgu
  h2orain h2otruck h2osurf h2osale h2obottl h2ooth pflush sflush
pitflush
  sitflush ppitlat spitlat pviplat sviplat ppitlats ppitlatn
  latbush phanglat shanglat natfloo grnfloo finfloo nicefloo
natwall grnwall
  bmwall smwall cemtwall stcmwall blckwall rudwall othwall
natroof rudroof
  finroof cookngas cookbgas cookkero cookcoal cookraw cows
horsdonk
  goats sheep chix pigs bunnies guinpigs
  /ORDER=  ANALYSIS .



FACTOR
  /VARIABLES hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv242
hv243b hv243c
  hv247 sh119a sh119b sh119c sh119d sh121f memsleep landline
cellline
  hectares h2oires h2oores h2opub h2oowel h2odwelp h2odwelu
h2ospgp h2ospgu
```

```
  h2orain h2otruck h2osurf h2osale h2obottl h2ooth pflush sflush
pitflush
  sitflush ppitlat spitlat pviplat sviplat ppitlats ppitlatn
  latbush phanglat shanglat natwall grnwall
  bmwall smwall cemtwall stcmwall blckwall rudwall othwall
  cookngas cookbgas cookkero cookcoal cookraw cows horsdonk
  goats sheep chix pigs bunnies guinpigs
  /MISSING MEANSUB /ANALYSIS hv206 hv207 hv208 hv209 hv210 hv211
hv212 hv242 hv243b hv243c
  hv247 sh119a sh119b sh119c sh119d sh121f memsleep landline
cellline
  hectares h2oires h2oores h2opub h2oowel h2odwelp h2odwelu
h2ospgp h2ospgu
  h2orain h2otruck h2osurf h2osale h2obottl h2ooth pflush sflush
pitflush
  sitflush ppitlat spitlat pviplat sviplat ppitlats ppitlatn
  latbush phanglat shanglat natwall grnwall
  bmwall smwall cemtwall stcmwall blckwall rudwall othwall
  cookngas cookbgas cookkero cookcoal cookraw cows horsdonk
  goats sheep chix pigs bunnies guinpigs
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /SAVE REG(ALL)
  /METHOD=CORRELATION .

*NOTE: Could not get matrix to be positive definite; First
eigenvalue only 10 percent.



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 -0.8196289725032=1)  (-0.8196289725032 thru
-0.5189227990266=2)  (-0.5189227990266 thru
0.1840248371167=3)  (0.1840248371167 thru 1.089802162198=4)
(1.089802162198 thru Highest=5)  INTO wlthind5 .
VARIABLE LABELS wlthind5 'Wealth Index Quintiles'.
EXECUTE .
```

```
write outfile='C:\work\haiti2005\scores.dat' records=1 table
/hhid fac1_1 wlthind5.
execute.


MEANS
  TABLES=hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv242 hv243b
hv243c
  hv247 sh119a sh119b sh119c sh119d sh121f memsleep landline
cellline
  hectares h2oires h2oores h2opub h2oowel h2odwelp h2odwelu
h2ospgp h2ospgu
  h2orain h2otruck h2osurf h2osale h2obottl h2ooth pflush sflush
pitflush
  sitflush ppitlat spitlat pviplat sviplat ppitlats ppitlatn
  latbush phanglat shanglat natwall grnwall
  bmwall smwall cemtwall stcmwall blckwall rudwall othwall
  cookngas cookbgas cookkero cookcoal cookraw cows horsdonk
  goats sheep chix pigs bunnies guinpigs
BY
 wlthind5
  /CELLS MEAN  .

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