

```
SELECT IF hv015=1.  
FREQ hv015.
```

```
FREQ hv201 hv205 hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv213  
hv214  
hv215 hv216 hv221 hv225 hv226 hv242 hv243a hv243c hv243d  
hv244 hv245 hv246a hv246b hv246c hv246d hv246e hv246f hv246g  
sh111c sh111h  
sh111i sh111j sh111k sh111l sh111m sh121g.
```

```
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 h2bhpvw = 0.
```

```
IF (hv201 = 22) h2bhpvw = 1.
VAR LABELS h2bhpvw "if water is from private borehole well".
VALUE LABELS h2bhpvw 0 "no water from private borehole well"
                  1 "uses water from private borehole well".
```

```
COMPUTE h2bhpbw = 0.
IF (hv201 = 23) h2bhpbw = 1.
VAR LABELS h2bhpbw "if water is from public borehole well".
VALUE LABELS h2bhpbw 0 "no water from public borehole well"
                  1 "uses water from public borehole well".
```

```
COMPUTE h2oprot = 0.
IF (hv201 = 33 | hv201 = 34) h2oprot = 1.
VAR LABELS h2oprot "if water is from a protected well".
VALUE LABELS h2oprot 0 "no water from a protected well"
                  1 "uses water from a protected well".
```

```
COMPUTE h2opvtwu = 0.
IF (hv201 = 35 | hv201 = 36) h2opvtwu = 1.
VAR LABELS h2opvtwu "if water is from an unprotected well".
VALUE LABELS h2opvtwu 0 "no water from an unprotected well"
                  1 "uses water from an unprotected well".
```

```
COMPUTE h2osurf = 0.
IF (hv201 > 43 & hv201 < 47) 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 h2ooth = 0.
IF (hv201 = 91 | 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".
```

```
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 h2obuy = 0.
IF (hv201 = 61 | hv201 = 62) h2obuy = 1.
VAR LABELS h2obuy "if water is from vendor/truck".
VALUE LABELS h2obuy 0 "no water from vendor/truck"
                  1 "uses water from vendor/truck".
```

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

\*TOILET.

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

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

```
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 covered pit latrine, no
slab".
VALUE LABELS ppitlat      0 "no private covered pit latrine, no
slab"
                        1 "uses private covered pit latrine, no
slab".
```

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

```
COMPUTE ppitlats = 0.
IF (hv205 = 23 & hv225 = 0) ppitlats = 1.
VAR LABELS ppitlats "if uses private covered pit latrine, with
slab".
VALUE LABELS ppitlats      0 "no private pit latrine"
                        1 "uses private pit latrine".
```

```
COMPUTE spitlats = 0.
```

```

IF (hv205 = 23 & hv225 = 1) spitlats = 1.
VAR LABELS spitlats "if uses shared covered pit latrine, with
slab".
VALUE LABELS spitlats      0 "no shared pit latrine"
                          1 "uses shared pit latrine".

COMPUTE pitlat = 0.
IF (hv205 = 24 & hv225 = 0) pitlat = 1.
VAR LABELS pitlat "if uses private uncovered pit latrine, no
slab".
VALUE LABELS pitlat      0 "no private uncovered pit latrine,
no slab"
                          1 "uses private uncovered pit latrine, no
slab".

COMPUTE sitlat = 0.
IF (hv205 = 24 & hv225 = 1) sitlat = 1.
VAR LABELS sitlat "if uses shared uncovered pit latrine, no
slab".
VALUE LABELS sitlat      0 "no shared pit latrine"
                          1 "uses shared pit latrine".

COMPUTE pitlats = 0.
IF (hv205 = 25 & hv225 = 0) pitlats = 1.
VAR LABELS pitlats "if uses private uncovered pit latrine, with
slab".
VALUE LABELS pitlats      0 "no private pit latrine"
                          1 "uses private pit latrine".

COMPUTE sitlats = 0.
IF (hv205 = 25 & hv225 = 1) sitlats = 1.
VAR LABELS sitlats "if uses shared uncovered pit latrine, with
slab".
VALUE LABELS sitlats      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".

*FLOOR.

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

COMPUTE natfloo1 = 0.

```

```

IF (hv213 = 12) natfloo1 = 1.
VAR LABELS natfloo1 "if has a floor made of earth/dung".
VALUE LABELS natfloo1 0 "no natural floor"
                    1 "has natural floor".

COMPUTE finfloo = 0.
IF (hv213 = 31 | hv213 = 33 | hv213 = 34 | hv213 = 36) finfloo =
1.
VAR LABELS finfloo "if has a finished floor - parq, mos, brck,
st".
VALUE LABELS finfloo 0 "no finished floor"
                    1 "has finished floor".

COMPUTE centfloo = 0.
IF (hv213 = 35) centfloo = 1.
VAR LABELS centfloo "if has a cement floor".
VALUE LABELS centfloo 0 "no cement floor"
                    1 "has cement floor".

*WALLS.

COMPUTE strwall = 0.
IF (hv214 = 11) strwall = 1.
VAR LABELS strwall "if has straw walls".
VALUE LABELS strwall 0 "no straw walls"
                    1 "has straw walls".

COMPUTE mudwall = 0.
IF (hv214 = 21) mudwall = 1.
VAR LABELS mudwall "if has mud walls".
VALUE LABELS mudwall 0 "no mud walls"
                    1 "has mud walls".

COMPUTE ubwall = 0.
IF (hv214 = 22) ubwall = 1.
VAR LABELS ubwall "if has unbaked brick walls".
VALUE LABELS ubwall 0 "no ub walls"
                    1 "has ub walls".

COMPUTE ubplwall = 0.
IF (hv214 = 23) ubplwall = 1.
VAR LABELS ubplwall "if has mud walls".
VALUE LABELS ubplwall 0 "no mud walls"
                    1 "has mud walls".

COMPUTE bbmwall = 0.
IF (hv214 = 24) bbmwall = 1.
VAR LABELS bbmwall "if has burned brick w/ mud walls".
VALUE LABELS bbmwall 0 "no bb mud walls"
                    1 "has bb mud walls".

```

```

COMPUTE cmtbwall = 0.
IF (hv214 = 31) cmtbwall = 1.
VAR LABELS cmtbwall "if has cemt block walls".
VALUE LABELS cmtbwall 0 "no cmt block walls"
                    1 "has cmt block walls".

COMPUTE brcmwall = 0.
IF (hv214 = 32 | hv214 = 34) brcmwall = 1.
VAR LABELS brcmwall "if has brick/cmt walls".
VALUE LABELS brcmwall 0 "no brick/cmt walls"
                    1 "has brick/cmt walls".

COMPUTE timbwall = 0.
IF (hv214 = 33) timbwall = 1.
VAR LABELS timbwall "if has timber walls".
VALUE LABELS timbwall 0 "no timber walls"
                    1 "has timber walls".

COMPUTE othwall = 0.
IF (hv214 = 96) othwall = 1.
VAR LABELS othwall "if has other walls".
VALUE LABELS othwall 0 "no other walls"
                    1 "has other walls".

*ROOF.
COMPUTE natroof = 0.
IF (hv215 = 11 | hv215 = 12 | hv215 = 21) natroof = 1.
VAR LABELS natroof "if has nat roof".
VALUE LABELS natroof 0 "no nat roof"
                    1 "has nat roof".

COMPUTE ironroof = 0.
IF (hv215 = 22) ironroof = 1.
VAR LABELS ironroof "if has iron roof".
VALUE LABELS ironroof 0 "no iron roof"
                    1 "has iron roof".

COMPUTE finroof = 0.
IF (hv215 = 23 | hv215 = 24 | hv215 = 25) finroof = 1.
VAR LABELS finroof "if has finished roof".
VALUE LABELS finroof 0 "no fin roof"
                    1 "has fin roof".

COMPUTE centroof = 0.
IF (hv215 = 26) centroof = 1.
VAR LABELS centroof "if has cemt roof".
VALUE LABELS centroof 0 "no cemt roof"
                    1 "has cemt roof".

COMPUTE othroof = 0.
IF (hv215 = 96) othroof = 1.

```

```
VAR LABELS othroof "if has other roof".
VALUE LABELS othroof      0 "no other roof"
                        1 "has other 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 cookgas = 0.
IF (hv226 = 1 | hv226 = 2 | hv226 = 4 | hv226 = 5) cookgas = 1.
VAR LABELS cookgas "if cooking fuel is elec/gas/kero".
VALUE LABELS cookgas  0 "cooking fuel is not egk"
                  1 "cooking fuel is egk".
```

```
COMPUTE cookcoal = 0.
IF (hv226 = 7) 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 = 8 | hv226 = 9 | hv226 = 11) cookraw = 1.
VAR LABELS cookraw "if cooking fuel is wood/straw".
VALUE LABELS cookraw  0 "cooking fuel is not wood/straw"
                  1 "cooking fuel is wood/straw".
```

```
COMPUTE cooknone = 0.
IF (hv226 = 95) cooknone = 1.
VAR LABELS cooknone "if does not cook in hh".
VALUE LABELS cooknone 0 "cooks"
                  1 "doesn't cook".
```

```
EXECUTE.
```

```

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 hv243d (MISSING = 0).
RECODE sh111c (MISSING = 0).
RECODE sh111h (MISSING = 0).
RECODE sh111i (MISSING = 0).
RECODE sh111j (MISSING = 0).
RECODE sh111k (MISSING = 0).
RECODE sh111l (MISSING = 0).
RECODE sh111m (MISSING = 0).
RECODE sh121g (MISSING = 0).
RECODE hv216 (MISSING = 0).

```

```
EXECUTE.
```

```

*{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.

```

```

VAR LABELS memsleep "Number of members per sleeping room".
VAL LABELS memsleep 0 'Less than 1 per room'.
EXECUTE.
FREQ memsleep.

```

```

COMPUTE land = 0.
COMPUTE land = hv245.
RECODE land (0 = .5) (99 = 0) (98 = 1) .
VAR LABELS land "how much ag land owned?".
EXECUTE.
FREQ land.

```

```

RECODE land (SYSMIS = 0).
EXECUTE.
FREQ land.

```

```

RECODE hv246a (99 = 0) (98 = 1) .
RECODE hv246b (99 = 0) (98 = 1) .
RECODE hv246c (99 = 0) (98 = 1) .

```



```

RECODE hv246d (99 = 0) (98 = 1) .
RECODE hv246e (99 = 0) (98 = 1) .
RECODE hv246f (99 = 0) (98 = 1) .
RECODE hv246g (99 = 0) (98 = 1) .

```

FREQUENCIES

```

VARIABLES=hv207 hv208 hv209 hv210 hv211 hv212 hv221 hv243a
hv243c hv243d hv246a hv246b
hv246c hv246d hv246e hv246f hv246g sh111c sh111h sh111i sh111j
sh111k sh111l sh111m sh121g
memsleep h2oires h2oores h2opub h2bhpvw h2bhpbw h2oprot
h2opvtwu h2osurf h2ooth h2orain h2obuy
h2obottl pflush sflush pviplat sviplat ppitlat spitlat ppitlats
spitlats pitlat sitlat pitlats sitlats latbush natfloo
natfloo1 finfloo cemtfloo strwwall mudwall ubwall ubplwall
bbmwall cmtbwall brcmwall timbwall othwall natroof
ironroof finroof cemtroof othroof landline cellline cookgas
cookcoal cookraw cooknone land
/ORDER= ANALYSIS .

```

\* All vars; not used b/c matrix is not positive definite.

FACTOR

```

/VARIABLES hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv221
hv243a hv243c hv243d hv246a hv246b
hv246c hv246d hv246e hv246f hv246g sh111c sh111h sh111i sh111j
sh111k sh111l sh111m sh121g
memsleep h2oires h2oores h2opub h2bhpvw h2bhpbw h2oprot
h2opvtwu h2osurf h2ooth h2orain h2obuy
h2obottl pflush sflush pviplat sviplat ppitlat spitlat ppitlats
spitlats pitlat sitlat pitlats sitlats latbush natfloo
natfloo1 finfloo cemtfloo strwwall mudwall ubwall ubplwall
bbmwall cmtbwall brcmwall timbwall othwall natroof
ironroof finroof cemtroof othroof cookgas cookcoal cookraw
cooknone land
/MISSING MEANSUB /ANALYSIS hv206 hv207 hv208 hv209 hv210 hv211
hv212 hv221 hv243a hv243c hv243d hv246a hv246b
hv246c hv246d hv246e hv246f hv246g sh111c sh111h sh111i sh111j
sh111k sh111l sh111m sh121g
memsleep h2oires h2oores h2opub h2bhpvw h2bhpbw h2oprot
h2opvtwu h2osurf h2ooth h2orain h2obuy
h2obottl pflush sflush pviplat sviplat ppitlat spitlat ppitlats
spitlats pitlat sitlat pitlats sitlats latbush natfloo
natfloo1 finfloo cemtfloo strwwall mudwall ubwall ubplwall
bbmwall cmtbwall brcmwall timbwall othwall natroof
ironroof finroof cemtroof othroof cookgas cookcoal cookraw
cooknone land
/PRINT UNIVARIATE INITIAL EXTRACTION FSCORE

```

```
/CRITERIA FACTORS(1) ITERATE(25)
/EXTRACTION PC
/ROTATION NOROTATE
/SAVE REG(ALL)
/METHOD=CORRELATION .
```

\* This is syntax used; removed: h2bhpvw cooknone.

FACTOR

```
/VARIABLES hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv243a
hv243c hv243d hv246a hv246b
hv246c hv246d hv246e hv246f hv246g sh111c sh111h sh111i sh111j
sh111k sh111l sh111m sh121g
memsleep h2oires h2oores h2opub h2bhpbw h2oprot h2opvtwu
h2osurf h2ooth h2orain h2obuy
h2obottl pflush sflush pviplat sviplat ppitlat spitlat ppitlats
spitlats pitlat sitlat pitlats sitlats latbush natfloo
natfloo1 finfloo cemtfloo strwwall mudwall ubwall ubplwall
cmtbwall brcmwall timbwall othwall natroof
ironroof finroof cemtroof othroof cookgas cookcoal cookraw land
bbmwall
```

```
/MISSING MEANSUB /ANALYSIS hv206 hv207 hv208 hv209 hv210 hv211
hv212 hv243a hv243c hv243d hv246a hv246b
hv246c hv246d hv246e hv246f hv246g sh111c sh111h sh111i sh111j
sh111k sh111l sh111m sh121g
memsleep h2oires h2oores h2opub h2bhpbw h2oprot h2opvtwu
h2osurf h2ooth h2orain h2obuy
h2obottl pflush sflush pviplat sviplat ppitlat spitlat ppitlats
spitlats pitlat sitlat pitlats sitlats latbush natfloo
natfloo1 finfloo cemtfloo strwwall mudwall ubwall ubplwall
cmtbwall brcmwall timbwall othwall natroof
ironroof finroof cemtroof othroof cookgas cookcoal cookraw land
bbmwall
```

```
/PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
/CRITERIA FACTORS(1) ITERATE(25)
/EXTRACTION PC
/ROTATION NOROTATE
/SAVE REG(ALL)
/METHOD=CORRELATION .
```

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

WEIGHT

BY hmemwt .

FREQUENCIES

VARIABLES=fac1\_1 /FORMAT=NOTABLE

/NTILES= 5

/STATISTICS=STDDEV MINIMUM MAXIMUM MEAN MEDIAN /ORDER ANALYSIS .

```
RECODE
fac1_1
(Lowest thru -0.7092479424952=1) (-0.7092479424952 thru
-0.4047304845477=2) (-0.4047304845477 thru
-0.08557407844515=3) (-0.08557407844515 thru 0.5212264322418=4)
(0.5212264322418 thru Highest=5) INTO wlthind5 .
VARIABLE LABELS wlthind5 'Wealth Index Quintiles'.
EXECUTE .
```

```
write outfile='C:\ug06\scores.dat' records=1 table
/hhid fac1_1 wlthind5.
execute.
```

MEANS

```
TABLES=hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv243a hv243c
hv243d hv246a hv246b
hv246c hv246d hv246e hv246f hv246g sh111c sh111h sh111i sh111j
sh111k sh111l sh111m sh121g
memsleep h2oires h2oores h2opub h2bhpbw h2oprot h2opvtwu
h2osurf h2ooth h2orain h2obuy
h2obottl pflush sflush pviplat sviplat ppitlat spitlat ppitlats
spitlats pitlat sitlat pitlats sitlats latbush natfloo
natfloo1 finfloo cemtfloo strwwall mudwall ubwall ubplwall
cmtbwall brcmwall timbwall othwall natroof
ironroof finroof cemtroof othroof cookgas cookcoal cookraw land
bbmwall
BY
wlthind5
/CELLS MEAN .
```

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