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

FREQ HV201 HV205 HV206 HV207 HV208 HV209 HV210 HV211 HV212
HV213 HV221 HV225 HV226.



* WATER.

COMPUTE h2opipe = 0.
IF (hv201 = 11 | hv201 = 71) h2opipe = 1.
VAR LABELS h2opipe "if gets water piped into home (+1 bottle
water)".
VAL LABELS h2opipe    0 "no water piped into home"
                1 "water is piped into home".

COMPUTE h2oyard = 0.
IF (hv201 = 12) h2oyard = 1.
VAR LABELS h2oyard "if gets water piped into yard".
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 h2pydwel = 0.
IF (hv201 = 21 | hv201 = 22 | hv201 = 23) 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 h2ppvwel = 0.
IF (hv201 = 31 | hv201 = 32 | hv201 = 33) 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 h2spring = 0.
IF (hv201 = 41 | hv201 = 51) h2spring = 1.
VAR LABELS h2spring "if gets water from a spring (+8rain)".
VAL LABELS h2spring   0 "no water from a spring"
                1 "water is from a spring".

COMPUTE h2osurf = 0.
IF (hv201 = 42 | hv201 = 43 | hv201 = 44) 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".


*TOILET.

COMPUTE flpvt = 0.
IF (hv205 = 11 & hv225 = 0) flpvt = 1.
VAR LABELS flpvt "if uses pvt flush toilet".
VAL LABELS flpvt 0 "does not use pvt flush toilet"
                 1 "uses pvt flush toilet".

COMPUTE flshr = 0.
IF (hv205 = 11 & hv225 = 1) flshr = 1.
VAR LABELS flshr "if uses shared flush toilet".
VAL LABELS flshr 0 "does not use shared flush toilet"
                 1 "uses shared flush toilet".

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

COMPUTE latshr = 0.
IF (hv205 = 21 & hv225 = 1) latshr = 1.
VAR LABELS latshr "if uses shared trad latrine".
VAL LABELS latshr     0 "does not use shared trad latrine"
                 1 "uses shared trad latrine".

COMPUTE vippvt = 0.
IF (hv205 = 22 & 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 = 22 & 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 latbush = 0.
IF (hv205 = 31 | hv205 = 96) latbush = 1.
VAR LABELS latbush "if uses bush for latrine".
VAL LABELS latbush    0 "does not use bush for latrine"
                 1 "uses bush for latrine".



* FLOORING.

COMPUTE dirtfloo = 0.
```

```
IF (hv213 = 11) dirtfloo = 1.
VAR LABELS dirtfloo "if floors are made of earth".
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 cemtfloo = 0.
IF (hv213 = 34) cemtfloo = 1.
VAR LABELS cemtfloo "if floors are made of cement (+9 wood
planks)".
VAL LABELS cemtfloo   0 "floors are not made of cement"
                 1 "floors are made of cement".


COMPUTE carpfloo = 0.
IF (hv213 = 35 | hv213 = 31 | hv213 = 33) carpfloo = 1.
VAR LABELS carpfloo "if floors are made of carpet (+1 parquet +18
ceramic tile)".
VAL LABELS carpfloo   0 "floors are not made of carpet"
                 1 "floors are made of carpet".




* COOKING FUEL.

COMPUTE cookcoal = 0.
IF (hv226 = 5) cookcoal = 1.
VAR LABELS cookcoal "if uses coal for cooking fuel".
VAL LABELS cookcoal   0 "no coal cooking fuel"
                 1 "uses coal cooking fuel".


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


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


COMPUTE cookdung = 0.
IF (hv226 = 8) cookdung = 1.
VAR LABELS cookdung "if uses dung for cooking".
VAL LABELS cookdung   0 "no dung cooking fuel"
```

```
                    1 "uses dung cooking fuel".

COMPUTE cookoth = 0.
IF (hv226 = 96 | hv226 = 4) cookoth = 1.
VAR LABELS cookoth "if no food cooked in hh".
VAL LABELS cookoth    0 "food cooked"
                    1 "no food cooked".


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(hv221)) hv221 = 0.


FACTOR
  /VARIABLES hv206 hv207 hv208 hv209 hv210 hv211 hv212 h2opipe
h2oyard h2opub h2pydwel h2ppvwel h2spring h2osurf flpvt flshr
latpvt
latshr vippvt vipshr latbush dirtfloo dungfloo cemtfloo carpfloo
cookcoal
cookchar cookwood cookdung cookoth
  /MISSING MEANSUB /ANALYSIS hv206 hv207 hv208 hv209 hv210 hv211
  hv212 h2opipe h2oyard h2opub h2pydwel h2ppvwel h2spring h2osurf
flpvt flshr latpvt
latshr vippvt vipshr latbush dirtfloo dungfloo cemtfloo carpfloo
cookcoal
cookchar cookwood cookdung cookoth
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /SAVE REG(ALL)
  /METHOD=CORRELATION .

freq hv005 hv012.
save outfile="C:\Users\kiersten.b.johnson\Desktop\rwanda interim
\RWinterimassets.sav".
COMPUTE hhmemwt = (hv005/1000000) * hv012 .
VARIABLE LABELS hhmemwt 'HH members weighting for Index' .
EXECUTE.

WEIGHT
```

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

freq hhmemwt.

RECODE
fac1_1
(Lowest thru -0.5062682151626=1)  (-0.5062682151626 thru
 -0.4338041655157=2)  (-0.4338041655157 thru
 -0.3200178417977=3)  (-0.3200178417977 thru -0.1158066720757=4)
(-0.1158066720757 thru Highest=5)  INTO
wlthind5 .
VARIABLE LABELS wlthind5 'Wealth Index Quintiles'.
EXECUTE .

write outfile="C:\Users\kiersten.b.johnson\Desktop\rwanda interim
\RWinterimscores.dat" records=1 table
/hhid fac1_1 wlthind5.
execute.

MEANS
  TABLES=hv206 hv207 hv208 hv209 hv210 hv211 hv212 h2opipe
h2oyard h2opub h2pydwel h2ppvwel h2spring h2osurf flpvt flshr
latpvt
latshr vippvt vipshr latbush dirtfloo dungfloo cemtfloo carpfloo
cookcoal
cookchar cookwood cookdung cookoth  BY wlthind5
  /CELLS MEAN  .

FREQ wlthind5.
WEIGHT OFF.
FREQ wlthind5.

freq fac1_1.

FREQUENCIES
  VARIABLES=FAC1_1  /FORMAT=NOTABLE
  /HISTOGRAM  NORMAL
  /ORDER=  ANALYSIS .
```