```
* Cape Verde 2005.

FREQ ahresult.

SELECT IF ahresult = 1.
FREQ ahresult.

STRING hhid (A8).
COMPUTE hhid = CONCAT(ahclust,ahnumber) .
VARIABLE LABELS hhid 'hhid' .
EXECUTE .


FREQ ah21 ah22a ah22b ah23 ah24 ah24a ah24b ah25a ah25b ah25c
ah25d ah25e ah25f
ah25g ah26 ah27 ah27a ah27b ah27c ah27d.


*WATER SOURCE.
compute dwater=ah22b.
if (ah22a=1) dwater=ah21.
if (missing(ah22b)) dwater=ah21.
VAR LABELS dwater "source for drinking water".
VAL LABELS dwater     11 "Água canalizada da rede pública"
                12 "Agua de garaffa"
                21 "Chafariz"
                31 "Auto-tanque"
                41 "Cisterna"
                51 "Poco"
                61 "Nascente"
                62 "Levada"
                96 "Outra".
EXECUTE.
FREQ dwater.


COMPUTE h2oires = 0.
IF (dwater = 11) h2oires = 1.
VARIABLE LABELS h2oires "if Água canalizada da rede pública".
VALUE LABELS h2oires 0 "water not Água canalizada da rede
pública"
                            1 "water Água canalizada da rede
pública".

COMPUTE h2orur = 0.
IF (dwater = 12) h2orur = 1.
VARIABLE LABELS h2orur "if water is Agua de garaffa".
VALUE LABELS h2orur   0 "water is not Agua de garaffa"
                            1 "water is Agua de garaffa".

COMPUTE h2oopub = 0.
IF (dwater = 21) h2oopub = 1.
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VARIABLE LABELS h2oopub "if gets water from a Chafariz".
VALUE LABELS h2oopub 0 "does not get water from a Chafariz"
                            1 "gets water from a Chafariz".


COMPUTE h2otruck = 0.
IF (dwater = 31) h2otruck = 1.
VARIABLE LABELS h2otruck "if gets water from Auto-tanque".
VALUE LABELS h2otruck 0 "does not get water from Auto-tanque"
                        1 "gets water from Auto-tanque".


COMPUTE h2opump = 0.
IF (dwater = 41) h2opump = 1.
VARIABLE LABELS h2opump "if gets water from Cisterna".
VALUE LABELS h2opump 0 "does not get water from Cisterna"
                            1 "gets water from Cisterna".

COMPUTE h2opoco = 0.
IF (dwater = 51) h2opoco = 1.
VARIABLE LABELS h2opoco "if gets water from poco".
VALUE LABELS h2opoco  0 "does not get water from poco"
                                1 "gets water from poco".

COMPUTE h2osurf = 0.
IF (dwater = 61) h2osurf = 1.
VARIABLE LABELS h2osurf "if gets water from nascente".
VALUE LABELS h2osurf 0 "does not get water from nascente"
                            1 "gets water from nascente".


COMPUTE h2oother = 0.
IF (dwater = 62 | dwater = 96) h2oother = 1.
VARIABLE LABELS h2oother "if gets water from other source".
VALUE LABELS h2oother 0 "does not get water from other source"
                           1 "gets water from other source".



*TOILET TYPES.

COMPUTE pflush = 0.
IF (ah23 = 1 & ah24 = 2) pflush = 1.
VARIABLE LABELS pflush "if has pvt toilet - com retrete".
VALUE LABELS pflush   0 "does not have pvt toilet"
                            1 "has pvt toilet".

COMPUTE shflush = 0.
IF (ah23 = 1 & ah24 = 1) shflush = 1.
VARIABLE LABELS shflush "if uses shared toilet - com retrete".
VALUE LABELS shflush 0 "does not use shared toilet"
                           1 "uses shared toilet".
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```
COMPUTE pflush1 = 0.
IF (ah23 = 2 & ah24 = 2) pflush1 = 1.
VARIABLE LABELS pflush1 "if has pvt toilet - sem retrete".
VALUE LABELS pflush1       0 "does not have pvt toilet"
                                1 "has pvt toilet".

COMPUTE shflush1 = 0.
IF (ah23 = 2 & ah24 = 1) shflush1 = 1.
VARIABLE LABELS shflush1 "if uses shared toilet - sem retrete".
VALUE LABELS shflush1 0 "does not use shared toilet"
                                1 "uses shared toilet".


COMPUTE latrine = 0.
IF (ah23 = 3) latrine = 1.
VARIABLE LABELS latrine "if has latrine".
VALUE LABELS latrine       0 "does not have latrine"
                                1 "has latrine".


COMPUTE latbush = 0.
IF (ah23 = 4) latbush = 1.
VARIABLE LABELS latbush "if uses the bush".
VALUE LABELS latbush 0 "does not use the bush"
                         1 "uses the bush".



*AMENITIES.

COMPUTE electric = 0.
IF (ah25a = 1) electric = 1.
VARIABLE LABELS electric "if household has electricity".
VALUE LABELS electric 0 "no electricity"
                        1 "has electricity".

COMPUTE radio = 0.
IF (ah25b = 1) radio = 1.
VARIABLE LABELS radio "if household has radio".
VALUE LABELS radio 0 "no radio"
                         1 "has radio".

COMPUTE fridge = 0.
IF (ah25c = 1) fridge = 1.
VARIABLE LABELS fridge "if household has fridge".
VALUE LABELS fridge 0 "no fridge"
                           1 "has fridge".

COMPUTE tv = 0.
IF (ah25d = 1) tv = 1.
VARIABLE LABELS tv "if household has tv".
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VALUE LABELS tv 0 "no tv"
                    1 "has tv".

COMPUTE dvd = 0.
IF (ah25e = 1) dvd = 1.
VARIABLE LABELS dvd "if household has dvd".
VALUE LABELS dvd 0 "no dvd"
                           1 "has dvd".

COMPUTE car = 0.
IF (ah25f = 1) car = 1.
VARIABLE LABELS car "if household has car or truck".
VALUE LABELS car 0 "no car/truck"
                       1 "has car/truck".

COMPUTE phone = 0.
IF (ah25g = 1) phone = 1.
VARIABLE LABELS phone "if household has phone".
VALUE LABELS phone 0 "no phone"
                           1 "has phone".


IF (MISSING(ah27b) | ah27b = 0) ah27b = 1.
EXECUTE.

COMPUTE memsleep = (ahmember/ah27b).
VARIABLE LABELS memsleep "number of members per sleeping room".


*TYPE OF COOKING FUEL.

COMPUTE cookcoal = 0.
IF (ah26 = 1 | ah26 = 2 | ah26 = 3) cookcoal = 1.
VARIABLE LABELS cookcoal "if uses charcoal for cooking (+12 cases
wood +9 cases petrol)".
VALUE LABELS cookcoal 0 "does not use coal for cooking"
                                1 "uses coal for cooking".

COMPUTE cookngas = 0.
IF (ah26 = 4 | ah26 = 5) cookngas = 1.
VARIABLE LABELS cookngas "if uses natural gas for cooking (+13
cases elec)".
VALUE LABELS cookngas 0 "does not use natural gas for cooking"
                              1 "uses natural gas for cooking".

COMPUTE cookoth = 0.
IF (ah26 = 6) cookoth = 1.
VARIABLE LABELS cookoth "if uses other fuel for cooking".
VALUE LABELS cookoth  0 "does not use other fuel for cooking"
                                      1 "uses other fuel for
cooking".
```

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* ROOFING TYPE.

COMPUTE concroof = 0.
IF (ah27 = 1) concroof = 1.
VAR LABELS concroof "if roof is made of concrete".
VAL LABELS concroof   0 "roof is not made of concrete"
                1 "roof is made of concrete".

COMPUTE shngroof = 0.
IF (ah27 = 2) shngroof = 1.
VAR LABELS shngroof "if roof is made of shingles".
VAL LABELS shngroof   0 "roof is not made of shingles"
                1 "roof is made of shingles".

COMPUTE cfibroof = 0.
IF (ah27 = 3) cfibroof = 1.
VAR LABELS cfibroof "if roof is made of cement fiber".
VAL LABELS cfibroof   0 "roof is not made of cement fiber"
                1 "roof is made of cement fiber".

COMPUTE natroof = 0.
IF (ah27 = 4) natroof = 1.
VAR LABELS natroof "if roof is made of natural materials
(straw)".
VAL LABELS natroof    0 "roof is not made of natural materials"
                1 "roof is made of natural materials".

COMPUTE wstroof = 0.
IF (ah27 = 5) wstroof = 1.
VAR LABELS wstroof "if roof is made of tin, cartons, bags".
VAL LABELS wstroof    0 "roof is not made of waste materials"
                1 "roof is made of waste materials".



*TYPE OF WALL MATERIALS

COMPUTE stonwall = 0.
IF (ah27c = 1) stonwall = 1.
VARIABLE LABELS stonwall "if has wall made of loose stone".
VALUE LABELS stonwall 0 "does not have wall made of stone"
                              1 "has wall made of stone".

COMPUTE stcmwall = 0.
IF (ah27c = 2) stcmwall = 1.
VARIABLE LABELS stcmwall "if has wall made of cemented stone".
VALUE LABELS stcmwall 0 "does not have wall made of cemented
stone"
                              1 "has wall made of cemented stone".

COMPUTE brckwall = 0.
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```
IF (ah27c = 3) brckwall = 1.
VARIABLE LABELS brckwall "if has wall made of cement block".
VALUE LABELS brckwall 0 "does not have wall made of cement block"
                            1 "has wall made of cement block".

COMPUTE adobwall = 0.
IF (ah27c = 4) adobwall = 1.
VARIABLE LABELS adobwall "if has stone+mud walling".
VALUE LABELS adobwall 0 "no stone+mud walling"
                        1 "has stone+mud walling".

COMPUTE othwall = 0.
IF (ah27c = 6) othwall = 1.
VARIABLE LABELS othwall "if wall made of other materials".
VALUE LABELS othwall  0 "wall not made of other materials"
                1 "wall made of other materials".



*FLOOR TYPE.

COMPUTE dirtfloo = 0.
IF (ah27d = 11) dirtfloo = 1.
VARIABLE LABELS dirtfloo "if floor is earth/mud/dung/sand".
VALUE LABELS dirtfloo 0 "floor is not earthen"
                1 "floor is earthen".

COMPUTE cemtfloo = 0.
IF (ah27d = 12) cemtfloo = 1.
VARIABLE LABELS cemtfloo "if floor is of cement".
VALUE LABELS cemtfloo 0 "floor is not cement"
                        1 "floor is cement".

COMPUTE stonfloo = 0.
IF (ah27d = 13) stonfloo = 1.
VARIABLE LABELS stonfloo "if floor is of stone".
VALUE LABELS stonfloo 0 "floor is not stone"
                        1 "floor is stone".

COMPUTE parqfloo = 0.
IF (ah27d = 14 | ah27d = 16) parqfloo = 1.
VARIABLE LABELS parqfloo "if has parquet/polished wood flooring".
VALUE LABELS parqfloo 0 "does not have parquet/polished wood
flooring"
                    1 "has parquet/polished wood flooring".

COMPUTE tilefloo = 0.
IF (ah27d = 15) tilefloo = 1.
VARIABLE LABELS tilefloo "if flooring is of mosaic".
VALUE LABELS tilefloo 0 "floor is not of mosaic"
                        1 "floor is of mosaic".
```

```
EXECUTE.

FREQ h2oires h2orur h2oopub h2otruck h2opump h2opoco h2osurf
h2oother pflush shflush
pflush1 shflush1 latrine latbush electric radio fridge tv dvd car
phone memsleep cookcoal
cookngas cookoth concroof shngroof cfibroof natroof wstroof
stonwall stcmwall brckwall adobwall
othwall dirtfloo cemtfloo stonfloo parqfloo tilefloo.



FACTOR
  /VARIABLES h2oires h2orur h2oopub h2otruck h2opump h2opoco
h2osurf h2oother pflush shflush
pflush1 shflush1 latrine latbush electric radio fridge tv dvd car
phone memsleep cookcoal
cookngas cookoth concroof shngroof cfibroof natroof wstroof
stonwall stcmwall brckwall adobwall
othwall dirtfloo cemtfloo stonfloo parqfloo tilefloo  /MISSING
MEANSUB
  /ANALYSIS h2oires h2orur h2oopub h2otruck h2opump h2opoco
h2osurf h2oother pflush shflush
pflush1 shflush1 latrine latbush electric radio fridge tv dvd car
phone memsleep cookcoal
cookngas cookoth concroof shngroof cfibroof natroof wstroof
stonwall stcmwall brckwall adobwall
othwall dirtfloo cemtfloo stonfloo parqfloo tilefloo
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /SAVE REG(ALL)
  /METHOD=CORRELATION .


COMPUTE hhmemwt = ahmember/1000000 * ahweight .
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 -1.095834254437=1)  (-1.095834254437 thru
-0.4067163244992=2)  (-0.4067163244992 thru
0.3336912930042=3)  (0.3336912930042 thru 1.031117135387=4)
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```
(1.031117135387 thru Highest=5)  INTO wlthind5 .
VARIABLE LABELS wlthind5 'Wealth Index Quintiles'.
EXECUTE .

write outfile='C:\capeverde2005\scores.dat' records=1 table
/hhid fac1_1 wlthind5.
execute.


MEANS
  TABLES=h2oires h2orur h2oopub h2otruck h2opump h2opoco h2osurf
h2oother pflush shflush
pflush1 shflush1 latrine latbush electric radio fridge tv dvd car
phone memsleep cookcoal
cookngas cookoth concroof shngroof cfibroof natroof wstroof
stonwall stcmwall brckwall adobwall
othwall dirtfloo cemtfloo stonfloo parqfloo tilefloo    BY
wlthind5
  /CELLS MEAN  .

FREQUENCIES
  VARIABLES=fac1_1  /FORMAT=NOTABLE
  /HISTOGRAM
  /ORDER=  ANALYSIS .

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