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SELECT IF hv015 = 1.

*begin recoding into dichotomized variables.

*WATER SOURCE.

COMPUTE h2oires = 0.
IF (hv201 = 11 | hv201 = 71) h2oires = 1.
VARIABLE LABELS h2oires "if water is piped into residence".
VALUE LABELS h2oires 0 "water not piped into residence"
                1 "water is piped into residence".

COMPUTE h2oyard = 0.
IF (hv201 = 12) h2oyard = 1.
VARIABLE LABELS h2oyard "if water is piped into compound/plot".
VALUE LABELS h2oyard 0 "water is not piped into compound/plot"
                    1 "water is piped into compound/plot".

COMPUTE h2opub = 0.
IF (hv201 = 13) h2opub = 1.
VARIABLE LABELS h2opub "if gets water from a public tap".
VALUE LABELS h2opub 0 "does not get water from a public tap"
                  1 "gets water from a public tap".

COMPUTE h2oopvtw = 0.
IF (hv201 = 21 | hv201 = 41) h2oopvtw = 1.
VARIABLE LABELS h2oopvtw "if gets water from an open well or
surface source".
VALUE LABELS h2oopvtw 0 "does not get water from an open well or
surface source"
                  1 "gets water from an open well or surface
source".

COMPUTE h2oppvtw = 0.
IF (hv201 = 31) h2oppvtw = 1.
VARIABLE LABELS h2oppvtw "if gets water from a protected well".
VALUE LABELS h2oppvtw 0 "does not get water from a protected
well"
                  1 "gets water from a protected well".

COMPUTE h2otruck = 0.
IF (hv201 = 61) h2otruck = 1.
VARIABLE LABELS h2otruck "if gets drinking water from tanker
truck".
VALUE LABELS h2otruck 0 "does not get drinking water from tanker
truck"
                  1 "gets drinking water from tanker truck".

COMPUTE h2obottl = 0.
IF (hv201 = 71) h2obottl = 1.
VARIABLE LABELS h2obottl "if uses bottled drinking water".
VALUE LABELS h2obottl 0 "does not use bottled drinking water"

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1 "uses bottled drinking water".

COMPUTE h2oother = 0.
IF (hv201 = 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 flushswr = 0.
IF (hv205 = 11) flushswr = 1.
VARIABLE LABELS flushswr "if has flush toilet to sewer".
VALUE LABELS flushswr 0 "does not have flush toilet to sewer"
1 "has flush toilet to sewer".

COMPUTE flushspt = 0.
IF (hv205 = 12) flushspt = 1.
VARIABLE LABELS flushspt "if has flush toilet to septic".
VALUE LABELS flushspt 0 "does not have flush toilet to septic"
1 "has flush toilet to septic".

COMPUTE flushpit = 0.
IF (hv205 = 13 | hv205 = 14 | hv205 = 15) flushpit = 1.
VARIABLE LABELS flushpit "if has flush toilet to pit (+19 flush
to swe)".
VALUE LABELS flushpit 0 "does not have flush toilet to pit"
1 "has flush toilet to pit".

COMPUTE latvip = 0.
IF (hv205 = 21) latvip = 1.
VARIABLE LABELS latvip "if uses vip latrine".
VALUE LABELS latvip 0 "does not use vip latrine"
1 "uses vip latrine".

COMPUTE latpit = 0.
IF (hv205 = 22) latpit = 1.
VARIABLE LABELS latpit "if uses pit latrine w slab".
VALUE LABELS latpit 0 "does not use pit latrine w slab"
1 "uses pit latrine w slab".

COMPUTE latpitns = 0.
IF (hv205 = 23 | hv205 = 41 | hv205 = 61 | hv205 = 96) latpitns =
1.
VARIABLE LABELS latpitns "if uses pit latrine w/o slab (+13
other)".
VALUE LABELS latpitns 0 "does not use pit latrine w/o slab"
1 "uses pit latrine w/o slab".

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*AMENITIES.

* All but 3 HHS have electricity; omitted.

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COMPUTE radio = 0.
IF (hv207 = 1) radio = 1.
VARIABLE LABELS radio "if household has radio".
VALUE LABELS radio 0 "no radio"
                1 "has radio".
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COMPUTE colortv = 0.
IF (hv208 = 1 & sh31c = 0) colortv = 1.
VARIABLE LABELS colortv "if household has color tv".
VALUE LABELS colortv 0 "no color tv"
                    1 "has color tv".
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COMPUTE bwtv = 0.
IF (hv208 = 1 & sh31c = 1) bwtv = 1.
VARIABLE LABELS bwtv "if household has tv".
VALUE LABELS bwtv 0 "no black and white tv"
                 1 "has black and white tv".
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COMPUTE fridge = 0.
IF (hv209 = 1) fridge = 1.
VARIABLE LABELS fridge "if household has fridge".
VALUE LABELS fridge 0 "no fridge"
                  1 "has fridge".
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COMPUTE bicycle = 0.
IF (hv210 = 1) bicycle = 1.
VARIABLE LABELS bicycle "if household has bicycle".
VALUE LABELS bicycle 0 "no bicycle"
                    1 "has bicycle".
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COMPUTE motobk = 0.
IF (hv211 = 1) motobk = 1.
VARIABLE LABELS motobk "if household has motorcycle or scooter".
VALUE LABELS motobk 0 "no motorbike/scooter"
                   1 "has motorbike/scooter".
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COMPUTE car = 0.
IF (hv212 = 1) car = 1.
VARIABLE LABELS car "if household has car or truck".
VALUE LABELS car 0 "no car/truck"
                 1 "has car/truck".
```

* OMIT - all phones are considered to be cell?!?!.

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COMPUTE landline = 0.
IF (hv221 = 1 & sh31h = 0) landline = 1.
VARIABLE LABELS landline "if household has landline phone".
VALUE LABELS landline 0 "no landline phone"
                    1 "has landline phone".
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COMPUTE cellular = 0.
IF (hv221 = 1 & sh31h = 1) cellular = 1.
VARIABLE LABELS cellular "if household has cellular phone".
VALUE LABELS cellular      0 "no cellular phone"
                          1 "has cellular phone".

COMPUTE washmach = 0.
IF (sh31e = 1) washmach = 1.
VARIABLE LABELS washmach "if household has a washing machine".
VALUE LABELS washmach 0 "no washing machine"
                      1 "household has a washing machine".

COMPUTE vacuum = 0.
IF (sh31f = 1) vacuum = 1.
VARIABLE LABELS vacuum "if household has a vacuum".
VALUE LABELS vacuum      0 "no vacuum"
                        1 "household has a vacuum".

COMPUTE computer = 0.
IF (sh31g = 1) computer = 1.
VARIABLE LABELS computer "if household has a computer".
VALUE LABELS computer 0 "no computer"
                    1 "household has a computer".

COMPUTE camera = 0.
IF (sh31k = 1) camera = 1.
VARIABLE LABELS camera "if household has a camera".
VALUE LABELS camera      0 "no camera"
                        1 "household has a camera".

COMPUTE watch = 0.
IF (sh41a = 1) watch = 1.
VARIABLE LABELS watch "if household has a watch".
VALUE LABELS watch      0 "no watch"
                       1 "household has a watch".

COMPUTE horscart = 0.
IF (sh41d = 1) horscart = 1.
VARIABLE LABELS horscart "if household has a horse-drawn cart".
VALUE LABELS horscart 0 "no horse-drawn cart"
                     1 "household has a horse-drawn cart".

COMPUTE boat = 0.
IF (sh41f = 1) boat = 1.
VARIABLE LABELS boat "if household has a boat w motor".
VALUE LABELS boat      0 "no boat w motor"
                      1 "household has a boat w motor".

COMPUTE bankacct = 0.
IF (sh46 = 1) bankacct = 1.
VARIABLE LABELS bankacct "if household has a bank account".

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VALUE LABELS bankacct 0 "no bank account"
                    1 "household has a bank account".

COMPUTE vacation = 0.
IF (sh46a = 1) vacation = 1.
VARIABLE LABELS vacation "if household had a vacation for at
least 1wk".
VALUE LABELS vacation 0 "no vacation"
                    1 "household had a vacation".

* hectares ag land (mode -1- given to those who DK how much land
they have).
IF (MISSING(sh43)) sh43 = 0.
IF (SYSMIS(sh43)) sh43 = 0.
IF (sh43=98) sh43 = 1.
EXECUTE.
FREQ sh43.

* cattle.
IF (MISSING(sh45a)) sh45a = 0.
IF (SYSMIS(sh45a)) sh45a = 0.
EXECUTE.
FREQ sh45a.

* horses/donkeys/mules.
IF (MISSING(sh45b)) sh45b = 0.
IF (SYSMIS(sh45b)) sh45b = 0.
EXECUTE.
FREQ sh45b.

* goats.
IF (MISSING(sh45c)) sh45c = 0.
IF (SYSMIS(sh45c)) sh45c = 0.
EXECUTE.
FREQ sh45c.

* sheep.
IF (MISSING(sh45d)) sh45d = 0.
IF (SYSMIS(sh45d)) sh45d = 0.
EXECUTE.
FREQ sh45d.

* fowl (mode -10- given to those who DK how much land they have).
IF (MISSING(sh45e)) sh45e = 0.
IF (SYSMIS(sh45e)) sh45e = 0.
IF (sh45e = 98) sh45e = 10.
EXECUTE.
FREQ sh45e.

* pigs.
IF (MISSING(sh45f)) sh45f = 0.

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IF (SYSMIS(sh45f)) sh45f = 0.
EXECUTE.
FREQ sh45f.

* rabbits.
IF (MISSING(sh45g)) sh45g = 0.
IF (SYSMIS(sh45g)) sh45g = 0.
EXECUTE.
FREQ sh45g.

FREQ sh40.
IF (MISSING(sh40)) sh40 = 0.
EXECUTE.

COMPUTE nrooms = 0.
COMPUTE nrooms = sh40.
IF (nrooms = 0) nrooms = hv012.
EXECUTE.
FREQ nrooms.

COMPUTE memsleep = (hv012/nrooms).
VARIABLE LABELS memsleep "number of members per sleeping room".
FREQ memsleep.

*FLOOR TYPE.

COMPUTE dirtfloo = 0.
IF (hv213 = 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 woodfloo = 0.
IF (hv213 = 21) woodfloo = 1.
VARIABLE LABELS woodfloo "if floor is of wood planks".
VALUE LABELS woodfloo 0 "floor is not of wood planks"
                1 "floor is of wood planks".

COMPUTE parqfloo = 0.
IF (hv213 = 31) 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 vinfloo = 0.
IF (hv213 = 32) vinfloo = 1.
VARIABLE LABELS vinfloo "if has linoleum flooring".
VALUE LABELS vinfloo 0 "does not have vinyl/asphalt strip
flooring"
                1 "has vinyl/asphalt strip flooring".

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COMPUTE cerafloo = 0.
IF (hv213 = 33) cerafloo = 1.
VARIABLE LABELS cerafloo "if flooring is of ceramic tiles".
VALUE LABELS cerafloo 0 "floor is not of ceramic tiles"
                1 "floor is of ceramic tiles".

COMPUTE centfloo = 0.
IF (hv213 = 34) centfloo = 1.
VARIABLE LABELS centfloo "if floor is of cement".
VALUE LABELS centfloo 0 "floor is not cement"
                1 "floor is cement".

COMPUTE othfloo = 0.
IF (hv213 = 96) othfloo = 1.
VARIABLE LABELS othfloo "if floor is of other materials".
VALUE LABELS othfloo 0 "floor is not of other materials"
                1 "floor is of other materials".

*TYPE OF COOKING FUEL.

COMPUTE cookelec = 0.
IF (hv226 = 1) cookelec = 1.
VARIABLE LABELS cookelec "if uses electricity for cooking".
VALUE LABELS cookelec 0 "does not use electricity for cooking"
                1 "uses electricity for cooking".

COMPUTE cooklpg = 0.
IF (hv226 = 2) cooklpg = 1.
VARIABLE LABELS cooklpg "if uses LPG for cooking".
VALUE LABELS cooklpg 0 "does not use LPG for cooking"
                1 "uses LPG for cooking".

COMPUTE cookbio = 0.
IF (hv226 = 3) cookbio = 1.
VARIABLE LABELS cookbio "if uses biogas for cooking".
VALUE LABELS cookbio 0 "does not use biogas for cooking"
                1 "uses biogas for cooking".

COMPUTE cookbiom = 0.
IF (hv226 > 4 & hv226 < 9) cookbiom = 1.
VARIABLE LABELS cookbiom "if uses biomass (dung, some char/coal,
wood) for cooking".
VALUE LABELS cookbiom 0 "does not use biomass for cooking"
                1 "uses biomass for cooking".

COMPUTE cookoth = 0.
IF (hv226 = 11) cookoth = 1.
VARIABLE LABELS cookoth "if uses some other fuel for cooking".
VALUE LABELS cookoth 0 "does not use some other fuel for cooking"

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1 "uses some other kind of fuel for cooking".
FREQ cookoth.

EXECUTE.

FACTOR
/VARIABLES memsleep h2oires h2oyard h2opub h2oopvtw h2oppvtw
h2otruck h2obottl h2oother flushswr flushspt flushpit latvip
latpit latpitns
radio colortv bwtv fridge bicycle motobk car cellular washmach
vacuum computer camera watch horscart boat bankacct vacation
dirtfloo
woodfloo parqfloo vinfloo cerafloo cemtfloo othfloo cookelec
cooklpg cookbio
cookbiom /MISSING MEANSUB /ANALYSIS memsleep h2oires h2oyard
h2opub
h2oopvtw h2oppvtw h2otruck h2obottl h2oother flushswr flushspt
flushpit
latvip latpit latpitns radio colortv bwtv fridge bicycle motobk
car
cellular washmach vacuum computer camera watch horscart boat
bankacct
vacation dirtfloo woodfloo parqfloo vinfloo cerafloo cemtfloo
othfloo
cookelec cooklpg cookbio cookbiom
/PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
/CRITERIA FACTORS(1) ITERATE(25)
/EXTRACTION PC
/ROTATION NOROTATE
/SAVE REG(ALL)
/METHOD=CORRELATION .

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 -1.00225109496=1) (-1.00225109496 thru
-0.1036051040653=2) (-0.1036051040653 thru
0.5140447698059=3) (0.5140447698059 thru 1.046322139186=4)
(1.046322139186 thru Highest=5) INTO wlthind5 .
VARIABLE LABELS wlthind5 'Wealth Index Quintiles'.
EXECUTE .

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

MEANS

```
TABLES=cookoth memsleep h2oires h2oyard h2opub h2oopvtw
h2oppvtw
h2otruck h2obottl h2oother flushswr flushspt flushpit latvip
latpit latpitns
radio colortv bwtv fridge bicycle motobk car cellular washmach
vacuum computer camera watch horscart boat bankacct vacation
dirtfloo
woodfloo parqfloo vinfloo cerafloo cemtfloo othfloo cookelec
cooklpg cookbio
cookbiom BY wlthind5
/CELLS MEAN .
```

```
freq wlthind5.
```

```
weight off.
freq wlthind5.
```

```
COMPUTE wt = hv005/1000000.
WEIGHT by wt.
EXECUTE.
freq wlthind5.
```

CROSSTABS

```
/TABLES=wlthind5 BY sh46b sh46c sh46d sh46e
/FORMAT= AVALUE TABLES
/STATISTIC=CHISQ
/CELLS= COUNT ROW COLUMN TOTAL .
```