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* Samoa 2009.

FREQ hv015.
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 HV243B HV244 HV246 HV246C
HV246F
HV246G HV246H HV246I HV246J HV247 SH112G SH112H SH112I SH112J
SH112K SH112L
SH112M SH112N SH112O SH112P SH112Q SH112R SH112S SH112T SH112U
SH112V SH112W
SH112X SH112Y SH112Z SH112Z1 SH112Z2 SH112Z3 SH112Z4 SH124E
SH124F SH124G SH124H
SH124I SH125A SH125C.
*---------------------.

FREQ hv205.

*begin recoding into dichotomized variables.

*WATER SOURCE.

COMPUTE h2oires = 0.
IF (hv201 = 11) 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 or
standpipe".
VALUE LABELS h2opub 0 "does not get water from a public tap"
                    1 "gets water from a public tap".


COMPUTE h2opwell = 0.
IF (hv201 = 21 | hv201 = 31) h2opwell = 1.
VARIABLE LABELS h2opwell "if gets water from protected well +
3tubewell".
VALUE LABELS h2opwell 0 "does not get water from protected well"
                      1 "gets water from protected well".
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COMPUTE h2osurf = 0.
IF (hv201 = 41 | hv201 = 43) h2osurf = 1.
VARIABLE LABELS h2osurf "if gets water from river, stream, pond,
lake or dam + 25 spring".
VALUE LABELS h2osurf 0 "does not get water from surface sources"
                1 "gets water from surface sources".

COMPUTE h2orain = 0.
IF (hv201 = 51) h2orain = 1.
VARIABLE LABELS h2orain "if uses rainwater".
VALUE LABELS h2orain 0 "does not use rainwater"
                    1 "uses rainwater".

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


COMPUTE h2ooth = 0.
IF (hv201 = 96) h2ooth = 1.
VARIABLE LABELS h2ooth "if gets water from other source".
VALUE LABELS h2ooth 0 "does not get water from other source"
                1 "gets water from other source".



*TOILET TYPES - not enough shared - 75 cases - to justify
including separately.

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


COMPUTE flushp = 0.
IF (hv205 > 12 & hv205 < 16) flushp = 1.
VARIABLE LABELS flushp "if has flush toilet to pit, elsewhr".
VALUE LABELS flushp 0 "does not have flush toilet"
                    1 "has flush toilet to pit, elsewhr".

COMPUTE latoth = 0.
IF (hv205 > 20 & hv205 < 97) latoth = 1.
VARIABLE LABELS latoth "if uses other latrine".
VALUE LABELS latoth 0 "does not use other latrine"
                1 "uses other latrine".
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*AMENITIES.

COMPUTE electric = 0.
IF (hv206 = 1) electric = 1.
VARIABLE LABELS electric "if household has electric".
VALUE LABELS electric 0 "no electric"
                    1 "has electric".

COMPUTE radio = 0.
IF (hv207 = 1) radio = 1.
VARIABLE LABELS radio "if household has radio".
VALUE LABELS radio 0 "no radio"
                    1 "has radio".

COMPUTE tv = 0.
IF (hv208 = 1) tv = 1.
VARIABLE LABELS tv "if household has tv".
VALUE LABELS tv 0 "no tv"
                    1 "has tv".

COMPUTE fridge = 0.
IF (hv209 = 1) fridge = 1.
VARIABLE LABELS fridge "if household has fridge".
VALUE LABELS fridge 0 "no fridge"
                        1 "has fridge".

COMPUTE bicycle = 0.
IF (hv210 = 1) bicycle = 1.
VARIABLE LABELS bicycle "if household has bicycle".
VALUE LABELS bicycle 0 "no bicycle"
                        1 "has bicycle".

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".

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".


COMPUTE landline = 0.
IF (hv221 = 1) landline = 1.
VARIABLE LABELS landline "if household has landline telephone".
VALUE LABELS landline 0 "no landline phone"
                        1 "has landline phone".
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COMPUTE sepkitch = 0.
IF (hv242 = 1) sepkitch = 1.
VARIABLE LABELS sepkitch "if household has separate room used as
kitchen".
VALUE LABELS sepkitch      0 "no separate kitchen"
                           1 "house has separate kitchen".

COMPUTE mphone = 0.
IF (hv243a = 1) mphone = 1.
VARIABLE LABELS mphone "if household has mobile phone".
VALUE LABELS mphone 0 "no mobile phone"
                    1 "house has mobile phone".

COMPUTE watch = 0.
IF (hv243b = 1) watch = 1.
VARIABLE LABELS watch "if household has watch".
VALUE LABELS watch    0 "no mobile watch"
                  1 "house has watch".

COMPUTE agland = 0.
IF (hv244 = 1) agland = 1.
VARIABLE LABELS agland "if household owns land suited for
agricult".
VALUE LABELS agland   0 "no agri land"
                      1 "has agri land".

COMPUTE animals = 0.
IF (hv246 = 1) animals = 1.
VARIABLE LABELS animals "if household owns livestock, herds, farm
animals".
VALUE LABELS animals  0 "no animals"
                            1 "has animals".

COMPUTE bank = 0.
IF (hv247 = 1) bank = 1.
VARIABLE LABELS bank "if household has bank account".
VALUE LABELS bank 0 "no bank account"
                  1 "has bank account".


COMPUTE freezer = 0.
IF (sh112g = 1) freezer = 1.
VARIABLE LABELS freezer "if household has freezer".
VALUE LABELS freezer  0 "no freezer"
                      1 "has freezer".

COMPUTE gstove = 0.
IF (sh112h = 1) gstove = 1.
VARIABLE LABELS gstove "if household has gas stove".
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VALUE LABELS gstove   0 "no gas stove"
                      1 "has gas stove".


COMPUTE kstove = 0.
IF (sh112i = 1) kstove = 1.
VARIABLE LABELS kstove "if household has kero stove".
VALUE LABELS kstove   0 "no kero stove"
                      1 "has kero stove".


COMPUTE moven = 0.
IF (sh112j = 1) moven = 1.
VARIABLE LABELS moven "if household has microwave oven".
VALUE LABELS moven    0 "no microwave oven"
                      1 "has microwave oven".


COMPUTE kettle = 0.
IF (sh112k = 1) kettle = 1.
VARIABLE LABELS kettle "if household has elec kettle".
VALUE LABELS kettle   0 "no elec kettle"
                      1 "has elec kettle".


COMPUTE riceker = 0.
IF (sh112l = 1) riceker = 1.
VARIABLE LABELS riceker "if household has rice cooker".
VALUE LABELS riceker  0 "no rice cooker"
                      1 "has rice cooker".


COMPUTE blender = 0.
IF (sh112m = 1) blender = 1.
VARIABLE LABELS blender "if household has blender".
VALUE LABELS blender  0 "no blender"
                      1 "has blender".


COMPUTE sewmach = 0.
IF (sh112n = 1) sewmach = 1.
VARIABLE LABELS sewmach "if household has sewing machine".
VALUE LABELS sewmach  0 "no sewmach"
                            1 "has sewmach".


COMPUTE cd = 0.
IF (sh112o = 1) cd = 1.
VARIABLE LABELS cd "if household has cd player".
VALUE LABELS cd 0 "no cd"
                      1 "has cd".


COMPUTE dvd = 0.
IF (sh112p = 1) dvd = 1.
VARIABLE LABELS dvd "if household has dvd player".
VALUE LABELS dvd 0 "no dvd"
                      1 "has dvd".


COMPUTE h2opump = 0.
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IF (sh112q = 1) h2opump = 1.
VARIABLE LABELS h2opump "if household has water pump".
VALUE LABELS h2opump  0 "no water pump"
                              1 "has water pump".


COMPUTE washmach = 0.
IF (sh112r = 1) washmach = 1.
VARIABLE LABELS washmach "if household has washing machine".
VALUE LABELS washmach 0 "no washmach"
                              1 "has washmach".


COMPUTE computer = 0.
IF (sh112s = 1) computer = 1.
VARIABLE LABELS computer "if household has computer".
VALUE LABELS computer 0 "no computer"
                              1 "has computer".


COMPUTE fan = 0.
IF (sh112t = 1) fan = 1.
VARIABLE LABELS fan "if household has electric fan".
VALUE LABELS fan 0 "no fan"
                        1 "has fan".


COMPUTE aircon = 0.
IF (sh112u = 1) aircon = 1.
VARIABLE LABELS aircon "if household has air conditioner".
VALUE LABELS aircon   0 "no air conditioner"
                        1 "has air conditioner".


COMPUTE bed = 0.
IF (sh112v = 1) bed = 1.
VARIABLE LABELS bed "if household has bed".
VALUE LABELS bed 0 "no bed"
                        1 "has bed".


COMPUTE table = 0.
IF (sh112w = 1) table = 1.
VARIABLE LABELS table "if household has table".
VALUE LABELS table    0 "no table"
                        1 "has table".


COMPUTE chair = 0.
IF (sh112x = 1) chair = 1.
VARIABLE LABELS chair "if household has chair".
VALUE LABELS chair    0 "no chair"
                        1 "has chair".


COMPUTE sofa = 0.
IF (sh112y = 1) sofa = 1.
VARIABLE LABELS sofa "if household has sofa".
VALUE LABELS sofa     0 "no sofa"
                        1 "has sofa".
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COMPUTE foodsafe = 0.
IF (sh112z = 1) foodsafe = 1.
VARIABLE LABELS foodsafe "if household has food safe".
VALUE LABELS foodsafe 0 "no food safe"
                             1 "has food safe".


COMPUTE cubbard = 0.
IF (sh112z1 = 1) cubbard = 1.
VARIABLE LABELS cubbard "if household has cupboard".
VALUE LABELS cubbard  0 "no cupboard"
                             1 "has cupboard".


COMPUTE clock = 0.
IF (sh112z2 = 1) clock = 1.
VARIABLE LABELS clock "if household has clock".
VALUE LABELS clock    0 "no bank clock"
                        1 "has bank clock".


COMPUTE genr8tr = 0.
IF (sh112z3 = 1) genr8tr = 1.
VARIABLE LABELS genr8tr "if household has a generator".
VALUE LABELS genr8tr  0 "no generator"
                        1 "has generator".


COMPUTE mboat = 0.
IF (sh124f = 1 & sh124g = 1) mboat = 1.
VARIABLE LABELS mboat "if household has boat & outboard motor".
VALUE LABELS mboat    0 "no boat & motor"
                             1 "has boat & motor".


COMPUTE canoe = 0.
IF (sh124h = 1) canoe = 1.
VARIABLE LABELS canoe "if household has canoe".
VALUE LABELS canoe    0 "no canoe"
                  1 "house has canoe".


COMPUTE gonfishn = 0.
IF (sh124i = 1) gonfishn = 1.
VARIABLE LABELS gonfishn "if household has fishing gear".
VALUE LABELS gonfishn 0 "no fishing gear"
                        1 "house has fishing gear".


COMPUTE resland = 0.
IF (sh125a = 1) resland = 1.
VARIABLE LABELS resland "if household owns residential land".
VALUE LABELS resland  0 "no res land"
                        1 "has res land".


COMPUTE comland = 0.
IF (sh125c = 1) comland = 1.
VARIABLE LABELS comland "if household owns commercial land".
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VALUE LABELS comland  0 "no commercial land"
                      1 "has commercial land".


IF (MISSING(hv216)) hv216 = hv012.
EXECUTE.
COMPUTE memsleep = (hv012/hv216).
VARIABLE LABELS memsleep "number of members per sleeping room".




FREQ h2oires h2oyard h2opub h2opwell h2osurf h2orain h2obottl
h2ooth
flushs flushp latoth electric radio tv fridge bicycle motobk car
landline
sepkitch mphone watch agland animals bank freezer gstove kstove
moven
kettle riceker blender sewmach cd dvd h2opump washmach computer
fan aircon bed table chair sofa foodsafe cubbard clock genr8tr
mboat
canoe gonfishn resland comland memsleep.


FACTOR
  /VARIABLES h2oires h2oyard h2opub h2opwell h2osurf h2orain
h2obottl h2ooth
flushs flushp latoth electric radio tv fridge bicycle motobk car
landline
sepkitch mphone watch agland animals bank freezer gstove kstove
moven
kettle riceker blender sewmach cd dvd h2opump washmach computer
fan aircon bed table chair sofa foodsafe cubbard clock genr8tr
mboat
canoe gonfishn resland comland memsleep
  /MISSING MEANSUB /ANALYSIS h2oires h2oyard h2opub h2opwell
h2osurf h2orain h2obottl h2ooth
flushs flushp latoth electric radio tv fridge bicycle motobk car
landline
sepkitch mphone watch agland animals bank freezer gstove kstove
moven
kettle riceker blender sewmach cd dvd h2opump washmach computer
fan aircon bed table chair sofa foodsafe cubbard clock genr8tr
mboat
canoe gonfishn resland comland memsleep
  /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 -0.7604679062121=1)  (-0.7604679062121 thru
-0.2497176630971=2)  (-0.2497176630971 thru
0.1888021048352=3)  (0.1888021048352 thru 0.7555879716457=4)
(0.7555879716457 thru Highest=5)  INTO wlthind5 .
VARIABLE LABELS wlthind5 'Wealth Index Quintiles'.
EXECUTE .

write outfile='C:\Users\kiersten.b.johnson\Desktop\projects
\wealth index\samoa DHS\scores.dat' records=1 table
/hhid fac1_1 wlthind5.
execute.


MEANS
  TABLES=h2oires h2oyard h2opub h2opwell h2osurf h2orain h2obottl
h2ooth
flushs flushp latoth electric radio tv fridge bicycle motobk car
landline
sepkitch mphone watch agland animals bank freezer gstove kstove
moven
kettle riceker blender sewmach cd dvd h2opump washmach computer
fan aircon bed table chair sofa foodsafe cubbard clock genr8tr
mboat
canoe gonfishn resland comland memsleep
BY wlthind5
  /CELLS MEAN  .

freq wlthind5.

weight off.
freq wlthind5.

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