

* Timor L'este 2009 wealth index - Kiersten.

```
FREQ hv015.  
SELECT IF (hv015 = 1).  
EXECUTE.  
FREQ hv015.
```

```
FREQ HV201 HV205 HV206 HV207 HV208 HV209 HV210 HV211  
HV212 HV213 HV214 HV215 HV216 HV221 HV225 HV226 SH111G  
SH111H SH111I SH111J SH111K SH111L SH111M SH111N.
```

*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".  
VALUE LABELS h2opub 0 "does not get water from a public tap"  
1 "gets water from a public tap".
```

```
COMPUTE h2otube = 0.  
IF (hv201 = 21) h2otube = 1.  
VARIABLE LABELS h2otube "if gets water from tubewell or  
borehole".  
VALUE LABELS h2otube 0 "does not get water from tubewell or  
borehole"  
1 "gets water from tubewell or borehole".
```

```
COMPUTE h2opwell = 0.  
IF (hv201 = 31) h2opwell = 1.  
VARIABLE LABELS h2opwell "if gets water from a protected well".  
VALUE LABELS h2opwell 0 "does not get water from a protected  
well"  
1 "gets water from a protected well".
```

```
COMPUTE h2upwell = 0.  
IF (hv201 = 32) h2upwell = 1.  
VARIABLE LABELS h2upwell "if gets water from an unprotected
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well".
VALUE LABELS h2upwell 0 "does not get water from an unprotected
well"
                1 "gets water from an unprotected well".

COMPUTE h2spring = 0.
IF (hv201 = 41) h2spring = 1.
VARIABLE LABELS h2spring "if gets water from a protected spring".
VALUE LABELS h2spring 0 "does not get water from a protected
spring"
                1 "gets water from a protected spring".

COMPUTE h2sprung = 0.
IF (hv201 = 42 | hv201 = 51) h2sprung = 1.
VARIABLE LABELS h2sprung "if gets water from unprotected spring +
10 rain".
VALUE LABELS h2sprung 0 "does not get water from unprotected
spring"
                1 "gets water from unprotected spring".

COMPUTE h2osurf = 0.
IF (hv201 = 43) h2osurf = 1.
VARIABLE LABELS h2osurf "if gets water from river, stream, pond,
lake or dam".
VALUE LABELS h2osurf 0 "does not get water from surface sources"
                1 "gets water from surface sources".

COMPUTE h2otk = 0.
IF (hv201 = 61 | hv201 = 62) h2otk = 1.
VARIABLE LABELS h2otk "if gets water from tanker truck or cart w
sm tank".
VALUE LABELS h2otk 0 "does not get water from truck"
                1 "gets water from truck".

COMPUTE h2obottl = 0.
IF (hv201 = 71) h2obottl = 1.
VARIABLE LABELS h2obottl "if gets water from tanker truck or cart
w sm tank".
VALUE LABELS h2obottl 0 "does not get water from truck"
                1 "gets water from truck".

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 flushs = 0.
IF (hv205 = 11 & hv225 = 0) flushs = 1.

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```

VARIABLE LABELS flushs "if has own flush toilet to sewer".
VALUE LABELS flushs 0 "does not have own flush toilet to sewer"
                  1 "has own flush toilet to sewer".

COMPUTE shflushs = 0.
IF (hv205 = 11 & hv225 = 1) shflushs = 1.
VARIABLE LABELS shflushs "if uses shared flush toilet to sewer".
VALUE LABELS shflushs 0 "does not use shared flush toilet to
sewer"
                  1 "uses shared flush toilet to sewer".

COMPUTE flushp = 0.
IF (hv205 = 12 & hv225 = 0) flusho = 1.
VARIABLE LABELS flusho "if has own flush toilet to septic".
VALUE LABELS flusho 0 "does not have own flush toilet to septic"
                  1 "has own flush toilet to septic".

COMPUTE shflushp = 0.
IF (hv205 = 12 & hv225 = 1) shflusho = 1.
VARIABLE LABELS shflusho "if uses shared flush toilet to septic".
VALUE LABELS shflusho 0 "does not use shared flush toilet to
septic"
                  1 "uses shared flush toilet to septic".

COMPUTE flusho = 0.
IF ((hv205 > 12 & hv205 < 16) & hv225 = 0) flusho = 1.
VARIABLE LABELS flusho "if has own flush toilet to
pitlat/swe/dk".
VALUE LABELS flusho 0 "does not have own flush toilet to
pitlat/swe/dk"
                  1 "has own flush toilet to pitlat/swe/dk".

COMPUTE shflusho = 0.
IF ((hv205 > 12 & hv205 < 16) & hv225 = 1) shflusho = 1.
VARIABLE LABELS shflusho "if uses shared flush toilet to
pitlat/swe/dk".
VALUE LABELS shflusho 0 "does not use shared flush toilet to
pitlat/swe/dk"
                  1 "uses shared flush toilet to pitlat/swe/dk".

COMPUTE latvip = 0.
IF (hv205 = 21 & hv225 = 0) latvip = 1.
VARIABLE LABELS latvip "if uses own pit latrine (VIP)".
VALUE LABELS latvip 0 "does not use own pit latrine"
                  1 "uses own pit latrine".

COMPUTE shlatvip = 0.
IF (hv205 = 21 & hv225 = 1) shlatvip = 1.
VARIABLE LABELS shlatvip "if uses a shared pit latrine (VIP)".
VALUE LABELS shlatvip 0 "does not use a shared pit latrine"
                  1 "uses a shared pit latrine".

```

```
COMPUTE latpits = 0.
IF (hv205 = 22 & hv225 = 0) latpits = 1.
VARIABLE LABELS latpits "if uses own pit latrine with slab".
VALUE LABELS latpits 0 "does not use own pit latrine with slab"
                1 "uses own pit latrine with slab".
```

```
COMPUTE slatpits = 0.
IF (hv205 = 22 & hv225 = 1) slatpits = 1.
VARIABLE LABELS slatpits "if uses a shared pit latrine w slab".
VALUE LABELS slatpits 0 "does not use a shared pit latrine w
slab"
                1 "uses a shared pit latrine w slab".
```

```
COMPUTE latpito = 0.
IF (hv205 = 23 & hv225 = 0) latpito = 1.
VARIABLE LABELS latpito "if uses own pit latrine without slab".
VALUE LABELS latpito 0 "does not use own pit latrine without
slab"
                1 "uses own pit latrine without slab".
```

```
COMPUTE slatpito = 0.
IF (hv205 = 23 & hv225 = 1) slatpito = 1.
VARIABLE LABELS slatpito "if uses a shared pit latrine w/o slab".
VALUE LABELS slatpito 0 "does not use a shared pit latrine w/o
slab"
                1 "uses a shared pit latrine w/o slab".
```

```
COMPUTE latbush = 0.
IF (hv205 = 31) latbush = 1.
VARIABLE LABELS latbush "if uses the bush".
VALUE LABELS latbush 0 "does not use the bush"
                1 "uses the bush".
```

```
COMPUTE latother = 0.
IF (hv205 > 31) latother = 1.
VARIABLE LABELS latother "if uses some other type of facility".
VALUE LABELS latother 0 "does not use some other type of
facility"
                1 "uses some other type of facility".
```

*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 lphone = 0.
IF (hv221 = 1) lphone = 1.
VARIABLE LABELS lphone "if household has landline phone".
VALUE LABELS lphone 0 "no landline phone"
                    1 "house has landline phone".

COMPUTE cdplayer = 0.
IF (sh111g = 1) cdplayer = 1.
VARIABLE LABELS cdplayer "if household has a cd player".
VALUE LABELS cdplayer 0 "no cd player"
                      1 "house has cd player".

COMPUTE fan = 0.
IF (sh111h = 1) fan = 1.
VARIABLE LABELS fan "if household has a fan".
VALUE LABELS fan 0 "no fan"
                 1 "house has a fan".

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COMPUTE chair = 0.
IF (sh111i = 1) chair = 1.
VARIABLE LABELS chair "if household has chair".
VALUE LABELS chair 0 "no chair"
                 1 "house has chair".

COMPUTE sofa = 0.
IF (sh111j = 1) sofa = 1.
VARIABLE LABELS sofa "if household has sofa".
VALUE LABELS sofa 0 "no sofa"
                 1 "household has sofa".

COMPUTE cubbard = 0.
IF (sh111k = 1) cubbard = 1.
VARIABLE LABELS cubbard "if household has a cupboard".
VALUE LABELS cubbard 0 "no cubbard"
                    1 "household has cubbard".

COMPUTE bed = 0.
IF (sh111l = 1) bed = 1.
VARIABLE LABELS bed "if household has bed".
VALUE LABELS bed 0 "no bed"
                 1 "household has bed".

COMPUTE sewmach = 0.
IF (sh111m = 1) sewmach = 1.
VARIABLE LABELS sewmach "if household has sewing machine".
VALUE LABELS sewmach 0 "no sewmach"
                    1 "household has sewmach".

COMPUTE eleciron = 0.
IF (sh111n = 1) eleciron = 1.
VARIABLE LABELS eleciron "if household has electric iron".
VALUE LABELS eleciron 0 "no electric iron"
                    1 "household has electric iron".

IF (MISSING(hv216)) hv216 = hv012.
EXECUTE.

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

*FLOOR TYPE.

COMPUTE dirtfloo = 0.
IF (hv213 = 11) dirtfloo = 1.
VARIABLE LABELS dirtfloo "if floor is earth/sand".

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VALUE LABELS dirtfloo 0 "floor is not earthen"
                1 "floor is earthen".

COMPUTE dungfloo = 0.
IF (hv213 = 12) dungfloo = 1.
VARIABLE LABELS dungfloo "if floor is dung".
VALUE LABELS dungfloo 0 "floor is not dung"
                1 "floor is dung".

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

COMPUTE palmfloo = 0.
IF (hv213 = 22) palmfloo = 1.
VARIABLE LABELS palmfloo "if floor is palm".
VALUE LABELS palmfloo 0 "floor is not palm"
                1 "floor is palm".

COMPUTE finfloo = 0.
IF ((hv213 > 30 & hv213 < 34) | hv213 = 35) finfloo = 1.
VARIABLE LABELS finfloo "if has parq/vin/tile/carp flooring".
VALUE LABELS finfloo 0 "does not have parq/vin/tile/carp
flooring"
                1 "has parq/vin/tile/carp flooring".

COMPUTE centfloo = 0.
IF (hv213 = 34 | hv213 = 96) centfloo = 1.
VARIABLE LABELS centfloo "if floor is of cement +10 other".
VALUE LABELS centfloo 0 "floor is not cement"
                1 "floor is cement".

* TYPE OF WALL MATERIALS.

COMPUTE grnwall = 0.
IF (hv214 = 11 | hv214 = 12 | hv214 = 13 | hv214 = 21) grnwall =
1.
VARIABLE LABELS grnwall "if wall made of
cane/palm/trunks/grass/dirt (+33 no walls)".
VALUE LABELS grnwall 0 "wall is not made of green materials"
                1 "wall is made of green materials".

COMPUTE stnwall = 0.
IF (hv214 = 22) stnwall = 1.
VARIABLE LABELS stnwall "if wall made of stone/mud".
VALUE LABELS stnwall 0 "wall is not made of stone/mud"
                1 "wall is made of stone/mud".

COMPUTE rudwall = 0.

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```
IF (hv214 > 22 & hv214 < 27) rudwall = 1.
VARIABLE LABELS rudwall "if wall made of rudimentary materials".
VALUE LABELS rudwall      0 "wall is not made of rudimentary
materials"
                        1 "wall is made of rudimentary materials".
```

```
COMPUTE cmtwall = 0.
IF (hv214 = 31) cmtwall = 1.
VARIABLE LABELS cmtwall "if wall made of cement".
VALUE LABELS cmtwall  0 "wall is not made of cement"
                      1 "wall is made of cement".
```

```
COMPUTE stncwall = 0.
IF (hv214 = 32) stncwall = 1.
VARIABLE LABELS stncwall "if wall made of stone with cement".
VALUE LABELS stncwall 0 "wall is not made of stone with cement"
                      1 "wall is made of stone with cement".
```

```
COMPUTE brckwall = 0.
IF (hv214 = 33) brckwall = 1.
VARIABLE LABELS brckwall "if wall made of brick".
VALUE LABELS brckwall 0 "wall is not made of brick"
                      1 "wall is made of brick".
```

```
COMPUTE blkwall = 0.
IF (hv214 = 34) blkwall = 1.
VARIABLE LABELS blkwall "if wall made of cement block".
VALUE LABELS blkwall 0 "wall is not made of cement block"
                     1 "wall is made of cement block".
```

```
COMPUTE cadbwall = 0.
IF (hv214 = 35) cadbwall = 1.
VARIABLE LABELS cadbwall "if wall made of covered adobe".
VALUE LABELS cadbwall 0 "wall is not made of covered adobe"
                      1 "wall is made of covered adobe".
```

```
COMPUTE woodwall = 0.
IF (hv214 = 36) woodwall = 1.
VARIABLE LABELS woodwall "if wall made of wood".
VALUE LABELS woodwall 0 "wall is not made of wood"
                      1 "wall is made of wood".
```

```
COMPUTE othwall = 0.
IF (hv214 = 96) othwall = 1.
VARIABLE LABELS othwall "if wall made of other materials".
VALUE LABELS othwall      0 "wall is not made of other
materials"
                        1 "wall is made of other materials".
```

*TYPE OF ROOFING MATERIALS.


```

COMPUTE natroof = 0.
IF (hv215 = 11 | hv215 = 12 | hv215 = 13) natroof = 1.
VARIABLE LABELS natroof "if has grass/thatch/sod roofing".
VALUE LABELS natroof 0 "no grass/thatch/sod roofing"
                1 "has grass/thatch/sod roofing".

COMPUTE rudroof = 0.
IF (hv215 = 21 | hv215 = 22 | hv215 = 23 | hv215 = 24) rudroof =
1.
VARIABLE LABELS rudroof "if has roof made of mat/palm/bamboo".
VALUE LABELS rudroof 0 "does not have roof made of
mat/palm/bamboo"
                1 "has roof made of mat/palm/bamboo".

COMPUTE ironroof = 0.
IF (hv215 = 31 | hv215 = 96) ironroof = 1.
VARIABLE LABELS ironroof "if roof made of corrugated iron + 3
other".
VALUE LABELS ironroof 0 "roof not made of corrugated iron"
                1 "roof made of corrugated iron".

COMPUTE finroof = 0.
IF (hv215 > 31 & hv215 < 95) finroof = 1.
VARIABLE LABELS finroof "if roof made of finished
materials/roofing tiles".
VALUE LABELS finroof 0 "roof not made of finished materials"
                1 "roof made of finished 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 cookgas = 0.
IF (hv226 = 2 | hv226 = 3 | hv226 = 4) cookgas = 1.
VARIABLE LABELS cookgas "if uses LPG, natural gas or biogas for
cooking".
VALUE LABELS cookgas 0 "does not use gas for cooking"
                1 "uses gas for cooking".

COMPUTE cookkero = 0.
IF (hv226 = 5) cookkero = 1.
VARIABLE LABELS cookkero "if uses kerosene for cooking".
VALUE LABELS cookkero 0 "does not use kerosene for cooking"
                1 "uses kerosene for cooking".

```

```

COMPUTE cookcoal = 0.
IF (hv226 = 6 | hv226 = 7) cookcoal = 1.
VARIABLE LABELS cookcoal "if uses charcoal or lignite/coal for
cooking".
VALUE LABELS cookcoal 0 "does not use charcoal or coal for
cooking"
                1 "uses charcoal or lignite/coal for cooking".

```

```

COMPUTE cookwood = 0.
IF (hv226 = 8 | hv226 = 9) cookwood = 1.
VARIABLE LABELS cookwood "if uses wood, straw for cooking fuel".
VALUE LABELS cookwood 0 "does not use firewood for cooking"
                1 "uses firewood for cooking".

```

```
EXECUTE.
```

```

FREQ h2oires h2oyard h2opub h2otube h2opwell h2upwell h2spring
h2sprung h2osurf h2otk h2obottl h2oother flushs shflushs flushp
shflushp flusho shflusho
latvip shlatvip latpits slatpits latpito slatpito latbush
latother electric radio
tv fridge bicycle motobk car lphone cdplayer fan chair sofa
cubbard bed
sewmach eleciron memsleep dirtfloo dungfloo woodfloo palmfloo
finfloo
cemtfloo grnwall stnwall rudwall cmtwall stncwall brckwall
blckwall cadbwall
woodwall othwall natroof rudroof ironroof finroof cookelec
cookgas
cookkero cookcoal cookwood.

```

```
FREQ memsleep.
```

```
FACTOR
```

```
  /VARIABLES
```

```

h2oires h2oyard h2opub h2otube h2opwell h2upwell h2spring
tv fridge bicycle motobk car lphone cdplayer fan chair sofa
cubbard bed
cookelec cookgas cookkero cookcoal cookwood
h2osurf h2otk h2obottl flushs shflushs flusho shflusho
latvip shlatvip latpits slatpits latpito slatpito latbush
electric radio

```

```
sewmach eleciron memsleep
```

```
dirtfloo woodfloo palmfloo finfloo cemtfloo
```

```
  /MISSING MEANSUB /ANALYSIS
```

```

h2oires h2oyard h2opub h2otube h2opwell h2upwell h2spring
tv fridge bicycle motobk car lphone cdplayer fan chair sofa
cubbard bed

```

```

cookelec cookgas cookkero cookcoal cookwood
h2osurf h2otk h2obottl flushs shflushs flusho shflusho
latvip shlatvip latpits slatpits latpito slatpito latbush
electric radio
sewmach eleciron memsleep
dirtfloo woodfloo palmfloo finfloo cemtfloo
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /SAVE REG(ALL)
  /METHOD=CORRELATION .

* vars that had to be removed to make it positive-definite:
h2sprung
h2oother
  latother
othwall
dungfloo
grnwall stnwall rudwall cmtwall stncwall brckwall blkwall
cadbwall
woodwall natroof rudroof ironroof finroof
.

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 -0.6890619107533=1) (-0.6890619107533 thru
-0.4722325872416=2) (-0.4722325872416 thru
-0.1531264720068=3) (-0.1531264720068 thru 0.4994988448076 =4)
(0.4994988448076 thru Highest=5) INTO wlthind5 .
VARIABLE LABELS wlthind5 'Wealth Index Quintiles'.
EXECUTE .

write outfile='C:\Users\kiersten.b.johnson\Desktop\projects
\wealth index\easttimor\timoreleste2009_scores.dat' records=1
table
/hhid fac1_1 wlthind5.
execute.

MEANS
TABLES=h2oires h2oyard h2opub h2otube h2opwell h2upwell

```

```
h2spring
tv fridge bicycle motobk car lphone cdplayer fan chair sofa
cubbard bed
  BY wlthind5
  /CELLS MEAN .

freq wlthind5.

weight off.
freq wlthind5.

COMPUTE wt = v005/1000000.
WEIGHT by wt.
EXECUTE.
```