

\* Jordan 2009 wealth index - Kiersten.

FREQ hv015.

SELECT IF (hv015 = 1).

EXECUTE.

FREQ hv015.

FREQ HV201 HV205 HV207 HV208 HV209 HV212 HV213  
HV214 HV216 HV221 HV225 HV226 HV242 HV243A SH110B SH111C  
SH111F SH111G SH111H SH111I SH111J SH111K SH111L SH111AA  
SH111BA SH111DA SH116A SH119A SH120A SH126A.

\*begin recoding into dichotomized variables.

\*WATER SOURCE.

COMPUTE h2oires = 0.

IF (hv201 = 11 | hv201 = 12) h2oires = 1.

VARIABLE LABELS h2oires "if water is piped into residence +2  
piped to yard".

VALUE LABELS h2oires 0 "water not piped into residence"

1 "water is piped into residence".

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"

1 "uses bottled drinking water".

COMPUTE h2oother = 0.

IF (hv201 = 42 | hv201 = 51 | hv201 = 61 | 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.

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

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

COMPUTE latother = 0.
IF (hv205 > 20) 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 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 phone = 0.
IF (hv221 = 1) phone = 1.
VARIABLE LABELS phone "if household has landline phone".
VALUE LABELS phone 0 "no phone"
                1 "has phone".

COMPUTE sepkitch = 0.
IF (hv242 = 1) sepkitch = 1.

```

```
VARIABLE LABELS sepkitch "if cooking is done in a separate room".
VAL LABELS sepkitch 0 "no"
                1 "yes".
```

```
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 bed = 0.
IF (sh110b = 1) bed = 1.
VARIABLE LABELS bed "if household has bed".
VALUE LABELS bed 0 "no bed"
                1 "has bed".
```

```
COMPUTE farasat = 0.
IF (sh111c = 1) farasat = 1.
VARIABLE LABELS farasat "if household has a satellite dish".
VALUE LABELS farasat 0 "no satellite"
                1 "satellite".
```

```
COMPUTE wmach = 0.
IF (sh111f = 1) wmach = 1.
VARIABLE LABELS wmach "if household has a washing machine".
VALUE LABELS wmach 0 "no washing machine"
                1 "has washing machine".
```

```
COMPUTE solar = 0.
IF (sh111g = 1) solar = 1.
VARIABLE LABELS solar "if household has solar heater".
VALUE LABELS solar 0 "no solar heater"
                1 "house has solar heater".
```

```
COMPUTE aircon = 0.
IF (sh111h = 1) aircon = 1.
VARIABLE LABELS aircon "if household uses solar power".
VALUE LABELS aircon 0 "no solar power"
                1 "house gets solar power".
```

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

```
COMPUTE h2ocool = 0.
IF (sh111j = 1) h2ocool = 1.
VARIABLE LABELS h2ocool "if household has a water cooler".
VALUE LABELS h2ocool 0 "no water cooler"
                1 "house has a water cooler".
```

```

COMPUTE micro = 0.
IF (sh111k = 1) micro = 1.
VARIABLE LABELS micro "if household has a microwave".
VALUE LABELS micro 0 "no microwave"
                1 "house has a microwave".

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

COMPUTE netaxs = 0.
IF (sh111da = 1) netaxs = 1.
VARIABLE LABELS netaxs "if household has internet access".
VALUE LABELS netaxs 0 "no internet"
                    1 "house has internet".

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

* add continuous: sh111aa sh111ba.
IF (SYSMISS(sh111aa)) sh111aa = 0.
EXECUTE.
FREQ sh111aa.

IF (MISSING(sh111ba)) sh111ba = 0.
EXECUTE.
FREQ sh111ba.

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

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

*FLOOR TYPE.

COMPUTE tilefloo = 0.
IF (hv213 = 32 | hv213 = 11 | hv213 = 96) tilefloo = 1.
VARIABLE LABELS tilefloo "if floor is tile +11 earth +1 other".
VALUE LABELS tilefloo 0 "floor is not tile"
                    1 "floor is tile".

COMPUTE cerafloo = 0.

```

```
IF (hv213 = 33 | hv213 = 31) cerafloo = 1.
VARIABLE LABELS cerafloo "if flooring is of marble or ceramic
tiles +3parq".
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 WALL 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 stnwall = 0.
IF (hv214 = 32) stnwall = 1.
VARIABLE LABELS stnwall "if wall made of cut stone with cement".
VALUE LABELS stnwall 0 "wall is not made of stone with cement"
1 "wall is made of stone with cement".
```

```
COMPUTE stncwall = 0.
IF (hv214 = 33) stncwall = 1.
VARIABLE LABELS stncwall "if wall made of cut stone with cement".
VALUE LABELS stncwall 0 "wall is not made of stone with cement"
1 "wall is made of stone with cement".
```

```
COMPUTE othwall = 0.
IF (hv214 = 21 | hv214 = 22 | hv214 = 23 | hv214 = 34) 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 COOKING FUEL - no variation, everyone uses gas.

EXECUTE.

\* don't forget to add sh111aa sh111ba othfloo.

\* Excluded from PCA: shflushs shflusho othwall latother h2oother.

FREQ memsleep h2oires h2obottl h2oother flushs shflushs flusho  
shflusho latother radio tv fridge phone sepkitch mphone bed  
farasat  
wmach solar aircon fan h2ocool micro digicam netaxs credit  
tilefloo  
cerafloo cemtfloo othfloo cmtwall stnwall stncwall othwall  
sh111aa sh111ba.

FACTOR

/VARIABLES

memsleep h2oires h2obottl  
netaxs mphone phone tv sepkitch radio aircon  
digicam micro solar bed cerafloo sh111aa sh111ba  
flushs flusho fridge farasat wmach cemtfloo cmtwall stnwall  
stncwall

/MISSING MEANSUB /ANALYSIS

memsleep h2oires h2obottl  
netaxs mphone phone tv sepkitch radio aircon  
digicam micro solar bed cerafloo sh111aa sh111ba  
flushs flusho fridge farasat wmach cemtfloo cmtwall stnwall  
stncwall

/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 -0.5065542166393=1) (-0.5065542166393 thru

-0.08565490437795=2) (-0.08565490437795 thru

```
0.4665682247837=3) (0.4665682247837 thru 1.32817240123=4)
(1.32817240123 thru Highest=5) INTO wlthind5 .
VARIABLE LABELS wlthind5 'Wealth Index Quintiles'.
EXECUTE .
```

```
write outfile='C:\Users\kiersten.b.johnson\Desktop\Jordan DHS
2009\scores.dat
/hhid fac1_1 wlthind5.
execute.
```

```
MEANS
```

```
TABLES=memsleep h2oires h2obottl h2oother flushs flusho fridge
farasat wmach centfloo cmtwall stnwall stncwall
netaxs mphone phone tv sepkitch othfloo radio aircon BY wlthind5
/CELLS MEAN .
```

```
freq wlthind5.
```

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

```
COMPUTE wt = (hv005/1000000).
WEIGHT by wt.
EXECUTE.
```

```
*
```

```
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".
```

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```