

DATA LIST FILE='C:\HNP2\MALAWI00\ASSETS.DAT' RECORDS=1

/

HHID	1-12	(A)
HV005	13-20	
HV012	21-22	
HV013	23-24	
HV201	25-26	
HV204	27-29	
HV205	30-31	
HV206	32-32	
HV207	33-33	
HV208	34-34	
HV209	35-35	
HV210	36-36	
HV211	37-37	
HV212	38-38	
HV213	39-40	
HV214	41-42	
HV215	43-44	
HV217	45-45	
HV218	46-47	
HV219	48-48	
HV220	49-50	
HV221	51-51	
HV225	52-52	
HV226	53-54	
HV227	55-55	
HV228	56-56	
HV230	57-57	
HV231	58-58	
HV232	59-59	
HV233	60-60	
HV234	61-63	
SH004	64-66	
SH005	67-69	
SH006	70-71	
SH025B	72-72	
SH026	73-74	
SH029	75-75	
SH030	76-76	
SH035	77-77	
HV024	78-79	
HV025	80-80	
HV026	81-81	
DOMESTIC	82-82	
OWNLAND	83-83	

VARIABLE LABELS

HHID	"Case Identification"
/HV005	"Sample weight"
/HV012	"Number of de jure members"
/HV013	"Number of de facto members"

/HV201 "Source of drinking water"
 /HV204 "Time to get to water source"
 /HV205 "Type of toilet facility"
 /HV206 "Has electricity"
 /HV207 "Has radio"
 /HV208 "Has television"
 /HV209 "Has refrigerator -NA"
 /HV210 "Has bicycle"
 /HV211 "Has motorcycle/scooter"
 /HV212 "Has car/truck"
 /HV213 "Main floor material"
 /HV214 "Main wall material -NA"
 /HV215 "Main roof material -NA"
 /HV217 "Relationship structure"
 /HV218 "Line number of head of househ."
 /HV219 "Sex of head of household"
 /HV220 "Age of head of household"
 /HV221 "Has telephone -NA"
 /HV225 "Share toilet with other households"
 /HV226 "Type of cooking fuel"
 /HV227 "Have bednet for sleeping"
 /HV228 "Children under 5 slept unde-NA"
 /HV230 "Place for hand washing"
 /HV231 "Items present: Water, tap"
 /HV232 "Items present: soap/other cleansing agent"
 /HV233 "Items present: Basin"
 /HV234 "Test salt for Iodine"
 /SH004 "TA/Town"
 /SH005 "Enumeration Area (EA)"
 /SH006 "District"
 /SH025B "The Household has a Paraffin Lamp"
 /SH026 "Type of cooking fuel from questionnaire"
 /SH029 "Number of mosquito nets that can be used while
 sleeping"
 /SH030 "Number of mosquito nets that are white in color"
 /SH035 "Test salt for Iodine from questionnaire"
 /HV024 "Region"
 /HV025 "Type of place of residence"
 /HV026 "Place of residence"
 /DOMESTIC "If HH has a domestic worker not related to head"
 /OWNLAND "If household works own or family's agric. land"

MISSING VALUE

HV201 (99)
 /HV204 (999)
 /HV205 (99)
 /HV206 (9)
 /HV207 (9)
 /HV208 (9)
 /HV210 (9)
 /HV211 (9)
 /HV212 (9)

/HV213 (99)
 /HV219 (9)
 /HV220 (99)
 /HV225 (9)
 /HV226 (99)
 /HV227 (9)
 /HV230 (9)
 /HV231 (9)
 /HV232 (9)
 /HV233 (9)
 /HV234 (999)
 /SH025B (9)
 /SH026 (9)
 /SH029 (9)
 /SH030 (9)
 /SH035 (9)
 /HV026 (9)

VALUE LABELS

HV201
 10 "PIPED WATER"
 11 "Piped into dwelling"
 12 "Piped into yard/plot"
 13 "Community stand pipe"
 20 "OPEN WELL WATER"
 21 "Unprotected well"
 30 "COVERED WELL/BOREHOLE"
 31 "Protected well"
 32 "Borehole"
 40 "SURFACE WATER"
 41 "Spring"
 42 "River/stream"
 43 "Pond/lake"
 44 "Dam"
 51 "Rainwater"
 61 "Tanker truck/bowser"
 71 "Bottled water"
 96 "Other"
 /HV204
 996 "On premises"
 /HV205
 10 "FLUSH TOILET"
 11 "Flush toilet"
 20 "PIT TOILET LATRINE"
 21 "Traditional pit toilet"
 22 "Ventilated improved pit (VIP) latrine"
 30 "NO FACILITY"
 31 "No facility"
 96 "OTHER"
 /HV206
 0 "No"
 1 "Yes"

```

/HV207
  0 "No"
  1 "Yes"
/HV208
  0 "No"
  1 "Yes"
/HV210
  0 "No"
  1 "Yes"
/HV211
  0 "No"
  1 "Yes"
/HV212
  0 "No"
  1 "Yes"
/HV213
  10 "NATURAL"
  11 "Earth/sand"
  12 "Dung"
  20 "RUDIMENTARY"
  21 "Wood planks"
  22 "Palm/bamboo"
  23 "Broken bricks"
  30 "FINISHED"
  31 "Parquet or polished wood"
  32 "Vinyl or asphalt"
  33 "Ceramic tiles"
  34 "Cement"
  35 "Brick"
  96 "OTHER"
/HV217
  0 "No adults"
  1 "One adult"
  2 "Two adults, opp. sex"
  3 "Two adults, same sex"
  4 "Three+ related adult"
  5 "Unrelated adults"
/HV219
  1 "Male"
  2 "Female"
/HV220
  97 "97+"
  98 "DK"
/HV225
  0 "No"
  1 "Yes"
/HV226
  1 "Electricity"
  4 "Kerosene"
  6 "Charcoal"
  7 "Firewood, straw"
  96 "Other"

```

```

/HV227
  0 "No"
  1 "Yes"
/HV230
  0 "Nowhere"
  1 "In dwelling/yard/plot"
  2 "Somewhere else"
/HV231
  0 "No"
  1 "Yes"
/HV232
  0 "No"
  1 "Yes"
/HV233
  0 "No"
  1 "Yes"
/HV234
  0 "0 PPM (No Iodine)"
  1 "1 PPM"
  15 "15 PPM"
  994 "Salt not tested"
  995 "No salt in household"
/SH006
  1 "Balaka Rural"
  2 "Blantyre Rural"
  3 "Blantyre Urban"
  4 "Chikwawa Rural"
  5 "Chikwawa Urban"
  6 "Chiradzulu Rural"
  7 "Chitipa Rural"
  8 "Dedza Rural"
  9 "Dedza Urban"
  10 "Dowa Rural"
  11 "Karonga Rural"
  12 "Karonga Urban"
  13 "Kasungu Rural"
  14 "Kasungu Urban"
  15 "Lilongwe Rural"
  16 "Lilongwe Urban"
  17 "Machinga Rural"
  18 "Machinga Urban"
  19 "Mangochi Rural"
  20 "Mangochi Urban"
  21 "Mchinji Rural"
  22 "Mulanje Rural"
  23 "Mulanje Urban"
  24 "Mwanza Rural"
  25 "Mzimba Rural"
  26 "Mzimba Urban"
  27 "Nkhata Bay Rural"
  28 "Nkhota Kota Rural"
  29 "Nkhota Kota Urban"

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30 "Nsanje Rural"
31 "Ntcheu Rural"
32 "Ntchisi Rural"
33 "Phalombe Rural"
34 "Rumphu Rural"
35 "Rumphu Urban"
36 "Salima Rural"
37 "Salima Urban"
38 "Thyolo Rural"
39 "Thyolo Urban"
40 "Zomba Rural"
41 "Zomba Urban"
/SH025B
  0 "No"
  1 "Yes"
/SH026
  1 "Electricity"
  2 "Paraffin"
  3 "Charcoal"
  4 "Firewood"
  5 "Straw"
  96 "Other"
/SH029
  0 "No bednets"
/SH030
  0 "None"
/SH035
  1 "0"
  2 "1-14 PPM"
  3 "15+ PPM"
/HV024
  1 "North"
  2 "Central"
  3 "South"
/HV025
  1 "Urban"
  2 "Rural"
/HV026
  0 "Capital, large city"
  1 "Small city"
  2 "Town"
  3 "Countryside"
/DOMESTIC
  0 "No domestic worker"
  1 "At least one domestic worker (female)"
/OWNLAND
  0 "Does not work own or family's agricultural land"
  1 "Works own or family's land"
.

* {Reset missing values to "does not have"} .
if (missing(hv206)) hv206=0.

```

```

if (missing(hv207)) hv207=0.
if (missing(hv208)) hv208=0.
if (missing(hv209)) hv209=0.
if (missing(hv210)) hv210=0.
if (missing(hv211)) hv211=0.
if (missing(hv212)) hv212=0.
if (missing(hv221)) hv221=0.
if (missing(hv225)) hv225=0.
if (missing(sh025b)) sh025b=0.

```

```

* {Construct Variables} .

```

```

* {Drinking water supply} .
compute h2oires=0.
if (hv201=11) h2oires=1.
compute h2oores=0.
if (hv201=12) h2oores=1.
compute h2opiPUB=0.
if (hv201=13) h2opiPUB=1.
compute h2oOwell=0.
if (hv201=21) h2oOwell=1.
compute h2pbwell=0.
if (hv201=31) h2pbwell=1.
compute h2obwell=0.
if (hv201=32) h2obwell=1.
compute h2osurf=0.
if (hv201>=42 and hv201<=44) h2osurf=1.
compute h2ospng=0.
if (hv201=41) h2ospng=1.
compute h2orain=0.
if (hv201=51) h2orain=1.
compute h2otruck=0.
if (hv201=61) h2otruck=1.
compute h2obottl=0.
if (hv201=71) h2obottl=1.
compute h2ooth=0.
if (hv201=96) h2ooth=1.

```

VARIABLE LABELS

```

H2OIRES "if piped drinking water in residence"
/H2Oores "if uses water that is piped into yard/plot"
/H2OpiPUB "if uses a public faucet (piped)"
/H2oOWELL "if uses unprotected well"
/H2ObWELL "if uses borehole for drinking water"
/H2PBWELL "if uses a protected well"
/H2OSURF "if uses river, canal or surface water for drinking"
/H2ORAIN "if rain for drinking water"
/H2Ospng "if spring for drinking water"
/H2OTRUCK "if gets drinking water from tanker truck"
/H2OBOTTL "if uses bottled water"
/H2OOTH "Other source of drinking water"

```

.
VALUE LABELS

H2OIRES 1 "if piped drinking water in residence"
/H2Oores 1 "if uses water that is piped into yard/plot"
/H2OpiPUB 1 "if uses a public faucet (piped)"
/H2OoWELL 1 "if uses unprotected well"
/H2ObWELL 1 "if uses borehole for drinking water"
/H2PBWELL 1 "if uses a protected well"
/H2OSURF 1 "if uses river, canal or surface water for drinking"
/H2ORAIN 1 "if rain for drinking water"
/H2Ospng 1 "if spring for drinking water"
/H2OTRUCK 1 "if gets drinking water from tanker truck"
/H2OBOTTL 1 "if uses bottled water"
/H2OOTH 1 "Other source of drinking water"

.
* {Toilet facility} .

compute flush=0.
if (hv205=11 and hv225=0) flush=1.
compute latpit=0.
if (hv205=21 and hv225=0) latpit=1.
compute latvip=0.
if (hv205=22 and hv225=0) latvip=1.
compute sflush=0.
if (hv205=11 and hv225=1) sflush=1.
compute slatpit=0.
if (hv205=21 and hv225=1) slatpit=1.
compute slatvip=0.
if (hv205=22 and hv225=1) slatvip=1.
compute latbush=0.
if (hv205=31) latbush=1.
compute latoth=0.
if (hv205=96) latoth=1.

VARIABLE LABELS

Flush "if uses a flush toilet in residence/private"
/LATPIT "if uses a pit latrine"
/LATVIP "if uses a VIP latrine"
sFlush "if uses a shared flush toilet in residence/private"
/sLATPIT "if uses a shared pit latrine"
/sLATVIP "if uses a shared VIP latrine"
/LATBUSH "if uses bush,field as latrine"
/LATOTH "if other type of latrine"

.
VALUE LABELS

/Flush 1 "if uses a flush toilet in residence/private"
/LATPIT 1 "if uses a pit latrine"
/LATVIP 1 "if uses a VIP latrine"
/sFlush 1 "if uses a shared flush toilet in residence/private"
/sLATPIT 1 "if uses a shared pit latrine"
/sLATVIP 1 "if uses a shared VIP latrine"
/LATBUSH 1 "if uses bush,field as latrine"


```
/LATOTH 1 "if other type of latrine"
```

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.
```

```
* {Flooring} .  
compute dirtfloo=0.  
if (hv213=11 or hv213=12) dirtfloo=1.  
compute woodfloo=0.  
if (hv213=21) woodfloo=1.  
compute palmfloo=0.  
if (hv213=22) palmfloo=1.  
compute bbrkfloo=0.  
if (hv213=23) bbrkfloo=1.  
compute tilefloo=0.  
if (hv213=33) tilefloo=1.  
compute cemtfloo=0.  
if (hv213=34) cemtfloo=1.  
compute parqfloo=0.  
if (hv213=31) parqfloo=1.  
compute vinlfloo=0.  
if (hv213=32) vinlfloo=1.  
compute othfloo=0.  
if (hv213=96) othfloo=1.
```

```
VARIABLE LABELS
```

```
DIRTFLOO "if has dirt, sand, dung as principal floor in  
dwelling"  
/WOODFLOO "if has wood, plank principal floor in dwelling"  
/PALMFLOO "if has palm/bamboo principal floor in dwelling"  
/CEMTFLOO "if has cement principal floor"  
/PARQFLOO "if has parquet or polished wood floors"  
/TILEFLOO "if has tiles for main flooring material"  
/VINLFLOO "if has vinyl or asphalt strips as flooring material"  
/BRKFL00 "if has broken bricks for principal floor"  
/OTHFLOO "if has other type of flooring"
```

```
.
```

```
VALUE LABELS
```

```
DIRTFLOO 1 "if has dirt, sand, dung as principal floor in  
dwelling"  
/WOODFLOO 1 "if has wood, plank principal floor in dwelling"  
/PALMFLOO 1 "if has palm/bamboo principal floor in dwelling"  
/CEMTFLOO 1 "if has cement principal floor"  
/PARQFLOO 1 "if has parquet or polished wood floors"  
/TILEFLOO 1 "if has tiles for main flooring material"  
/VINLFLOO 1 "if has vinyl or asphalt strips as flooring material"  
/BRKFL00 1 "if has broken bricks for principal floor"  
/OTHFLOO 1 "if has other type of flooring"
```

```
.
```

```
* {Cooking fuel} .  
compute cookelec =0.  
if (hv226=1) cookelec =1.
```

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compute cookgas =0.
if (hv226=2) cookgas =1.
compute cookbio =0.
if (hv226=3) cookbio =1.
compute cookkero =0.
if (hv226=4) cookkero =1.
compute cookcoal =0.
if (hv226=5) cookcoal =1.
compute cookchar =0.
if (hv226=6) cookchar =1.
compute cookwood =0.
if (hv226=7) cookwood =1.
compute cookdung =0.
if (hv226=8) cookdung =1.
compute cooknone =0.
if (hv226=9) cooknone =1.
compute cookoth =0.
if (hv226=96) cookoth =1.

```

VARIABLE LABELS

```

COOKWOOD "if uses wood as cooking fuel"
/COOKDUNG "if uses dung, manure as cooking fuel"
/COOKCOAL "if uses coal as cooking fuel"
/COOKCHAR "if uses charcoal for cooking"
/COOKKERO "if uses kerosene as cooking fuel"
/COOKGAS "if uses gas as cooking fuel"
/COOKBIO "if uses biogas as cooking fuel"
/COOKELEC "if uses electricity as cooking fuel"
/COOKOTH "if uses other cooking fuel"
/COOKNONE "if (does not cook"

```

VALUE LABELS

```

COOKWOOD
    0 "Does not use wood as cooking fuel"
    1 "Uses wood as cooking fuel"
/COOKDUNG
    0 "Does not use dung, manure as cooking fuel"
    1 "Uses dung, manure as cooking fuel"
/COOKCOAL
    0 "Does not use coal as cooking fuel"
    1 "Uses coal as cooking fuel"
/COOKCHAR
    0 "No charcoal for cooking"
    1 "Cooks with charcoal"
/COOKKERO
    0 "Does not use kerosene as cooking fuel"
    1 "Uses kerosene as cooking fuel"
/COOKGAS
    0 "Does not use gas as cooking fuel"
    1 "Uses gas as cooking fuel"
/COOKBIO
    0 "No biogas for cooking"

```

```

    1 "Uses biogas for cooking"
/COOKELEC
    0 "Does not use electricity as cooking fuel"
    1 "Uses wood as electricity fuel"
/COOKOTH
    0 "Does not use other cooking fuel"
    1 "Uses other cooking fuel"
/COOKNONE
    0 "Does cook"
    1 "Does not cook"
.

execute.

FACTOR
/VARIABLES hv206 hv207 hv208 hv210 hv211 hv212 domestic ownland
h2oires
    h2oores h2opipub h2oowell h2pbwell h2obwell h2osurf h2ospng
h2orain h2otruck
    h2obott1 flush latpit latvip sflush slatpit slatvip latbush
dirtfloo
    woodfloo bbrkfloo tilefloo cemtfloo parqfloo vinlfloo cookelec
cookkero
    cookchar cookwood cookoth /MISSING MEANSUB /ANALYSIS hv206
hv207 hv208
    hv210 hv211 hv212 domestic ownland h2oires h2oores h2opipub
h2oowell
    h2pbwell h2obwell h2osurf h2ospng h2orain h2otruck h2obott1
flush latpit
    latvip sflush slatpit slatvip latbush dirtfloo woodfloo
bbrkfloo tilefloo
    cemtfloo parqfloo vinlfloo cookelec cookkero cookchar cookwood
cookoth
/PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
/CRITERIA FACTORS(1) ITERATE(25)
/EXTRACTION PC
/ROTATION NOROTATE
/SAVE REG(ALL)
/METHOD=CORRELATION .

save outfile="c:\hnp2\malawi00\assets.sav".

COMPUTE hmemwt = hv005/1000000 * hv012 .
VARIABLE LABELS hmemwt 'HH members weighting for Index' .

WEIGHT
BY hmemwt .
FREQUENCIES
VARIABLES=fac1_1 /FORMAT=NOTABLE
/NTILES= 5
/STATISTICS=STDDEV MINIMUM MAXIMUM MEAN MEDIAN /ORDER ANALYSIS .

```

```

RANK
  VARIABLES = fac1_1
  /NTILES(5) INTO wlthind5
  /PRINT = NO
  /TIES = MEAN .
VARIABLE LABELS wlthind5 'Wealth Index Quintiles'.
VALUE LABELS
  wlthind5 1 "Lowest" 2 "Second" 3 "Middle" 4 "Fourth" 5
  "Highest".

weight off.
do if (missing(wlthind5)).
  recode fac1_1 (lo thru -0.48744152418622444=1)(-
  0.48744152418622444 thru -0.41210147792257706=2)
  (-0.41210147792257706 thru -0.3137492612088075=
  3)(-0.3137492612088075 thru 0.29235284675717677=4)
  (0.29235284675717677 thru hi=5) into wlthind5.
end if.

write outfile='c:\hnp2\malawi00\scores.dat' records=1 table
/hhid fac1_1 wlthind5.
execute.

MEANS
  TABLES=hv206 hv207 hv208 hv210 hv211 hv212 domestic ownland
  h2oires
  h2oores h2opipub h2oowell h2pbwell h2obwell h2osurf h2ospng
  h2orain h2otruck
  h2obottl flush latpit latvip sflush slatpit slatvip latbush
  dirtfloo
  woodfloo bbrkfloo tilefloo cemtfloo parqfloo vinlfloo cookelec
  cookkero
  cookchar cookwood cookoth
BY
  hv025 by wlthind5
  /CELLS MEAN .

WEIGHT
  OFF.

DESCRIPTIVES
  VARIABLES=hv206 hv207 hv208 hv210 hv211 hv212 domestic ownland
  h2oires
  h2oores h2opipub h2oowell h2pbwell h2obwell h2osurf h2ospng
  h2orain h2otruck
  h2obottl flush latpit latvip sflush slatpit slatvip latbush

```

```
dirtyfloo
  woodfloo bbrkfloo tilefloo cemtfloo parqfloo vinlfloo cookelec
cookkero
  cookchar cookwood cookoth
/STATISTICS=MEAN STDDEV MIN MAX .

save outfile="c:\hnp2\malawi00\assets.sav".
→
```