```
DATA LIST FILE='C:\HNP2\INDONESIA02\EXPORTED.DAT' RECORDS=1
/
 QHPROV      1-2
 QHREGMUN    3-4
 QHCLUST     5-8
 QHNUMBER    9-10
 QHWEIGHT   11-18
 HV012      19-20
 HV013      21-22
 QH18       23-24
 QH19       25-27
 QH20       28-29
 QH22       30-31
 QH23       32-33
 QH24       34-36
 QH25       37-37
 QH26       38-38
 QH27A      39-39
 QH27B      40-40
 QH27C      41-41
 QH27D      42-42
 QH27E      43-43
 QH28       44-45
 QH29A      46-46
 QH29B      47-47
 QH29C      48-48
 QHTYPE     49-49
 QHLOCAL    50-50
 OWNLAND    51-51
.
VARIABLE LABELS
 QHPROV   "Province"
/QHREGMUN "Regency/Municipality"
/QHCLUST  "Cluster number"
/QHNUMBER "Household number"
/QHWEIGHT "HOUSEHOLD weight (6 decimals)"
/HV012    "Number of de jure members"
/HV013    "Number of de facto members"
/QH18     "Source of drinking water"
/QH19     "Time to water and back (mins)"
/QH20     "Type of toilet facility"
/QH22     "Distance between well and nearest septic tank"
/QH23     "Main material of floor"
/QH24     "Size of floor"
/QH25     "Primary material outer wall"
/QH26     "Primary material roof"
/QH27A    "Electricity"
/QH27B    "Radio"
/QH27C    "Television"
/QH27D    "Telephone"
/QH27E    "Refrigerator"
/QH28     "Type of cooking fuel"
```

```
/QH29A    "Bicycle/rowboat"
/QH29B    "Motorcycle/Motor boat"
/QH29C    "Car"
/QHTYPE   "Type of place of residence"
/QHLOCAL  "Locality"
/OWNLAND  "If household works own or family's agric. land"
.
MISSING VALUE
 QH18     (99)
/QH19     (999)
/QH20     (99)
/QH22     (99)
/QH23     (99)
/QH24     (999)
/QH25     (9)
/QH26     (9)
/QH27A    (9)
/QH27B    (9)
/QH27C    (9)
/QH27D    (9)
/QH27E    (9)
/QH28     (99)
/QH29A    (9)
/QH29B    (9)
/QH29C    (9)
.
VALUE LABELS
 QHPROV
    11 "DI Aceh"
    12 "North Sumatra"
    13 "West Sumatra"
    14 "Riau"
    15 "Jambi"
    16 "South Sumatra"
    17 "Bengkulu"
    18 "Lampung"
    19 "Bangka Belitung"
    31 "DKI Jakarta"
    32 "West Java"
    33 "Central Java"
    34 "DI Yogyakarta"
    35 "East Java"
    36 "Banten"
    51 "Bali"
    52 "West Nusa Tenggara"
    53 "East Nusa Tenggara"
    54 "East Timor"
    61 "West Kalimantan"
    62 "Central Kalimantan"
    63 "South Kalimantan"
    64 "East Kalimantan"
    71 "North Sulawesi"
```

```
    72 "Cenrtal Sulawesi"
    73 "South Sulawesi"
    74 "Southeast Sulawesi"
    75 "Gorontalo"
    81 "Maluku"
    93 "Irian Jaya"
/QH18
    11 "Piped into dwelling"
    12 "Piped into yard/plot"
    13 "Public tap"
    21 "Open well in dwelling"
    22 "Open well in yard/plot"
    23 "Open public well"
    31 "Protected well in dwelling"
    32 "Protected well in yard/plot"
    33 "Protected public well"
    41 "Spring"
    42 "River, stream"
    43 "Pond, lake"
    44 "Dam"
    51 "Rainwater"
    61 "Tanker truck"
    71 "Bottled water"
    96 "Other"
/QH19
   996 "On premises"
/QH20
    11 "Private with septic tank"
    12 "Private with no septic tank"
    21 "Shared/public"
    31 "River/stream/creek"
    41 "Pit"
    51 "Bush/forest/yard/field/no facility"
    96 "Other"
/QH22
    98 "DK"
/QH23
    11 "Dirt/earth"
    21 "Bamboo"
    22 "Wood"
    31 "Brick/concrete"
    32 "Tile"
    33 "Ceramic/marble/granite"
    96 "Other"
/QH24
   998 "DK"
/QH25
     1 "Brick"
     2 "Wood"
     3 "Bamboo"
     6 "Other"
/QH26
```

```
     1 "Brick"
     2 "Wood"
     3 "Tile"
     4 "Asbestos/Zeng"
     5 "Leaves"
     6 "Other"
/QH27A
     1 "Yes"
     2 "No"
/QH27B
     1 "Yes"
     2 "No"
/QH27C
     1 "Yes"
     2 "No"
/QH27D
     1 "Yes"
     2 "No"
/QH27E
     1 "Yes"
     2 "No"
/QH28
     1 "Electricity"
     2 "Gas"
     3 "Kerosene"
     4 "Coal"
     5 "Charcoal"
     6 "Firewood"
    96 "Other"
/QH29A
     1 "Yes"
     2 "No"
/QH29B
     1 "Yes"
     2 "No"
/QH29C
     1 "Yes"
     2 "No"
/QHTYPE
     1 "Urban"
     2 "Rural"
/QHLOCAL
     0 "Capital, large city"
     1 "Small city"
     2 "Town"
     3 "Countryside"
/OWNLAND
     0 "Does not work own or family's agricultural land"
     1 "Works own or family's land"
.

if (qh27a=2) qh27a=0.
```

```
if (qh27b=2) qh27b=0.
if (qh27c=2) qh27c=0.
if (qh27d=2) qh27d=0.
if (qh27e=2) qh27e=0.
if (qh29a=2) qh29a=0.
if (qh29b=2) qh29b=0.
if (qh29c=2) qh29c=0.

*  {Reset missing values to "does not have"} .
if (missing(qh27a)) qh27a=0.
if (missing(qh27b)) qh27b=0.
if (missing(qh27c)) qh27c=0.
if (missing(qh27d)) qh27d=0.
if (missing(qh27e)) qh27e=0.
if (missing(qh29a)) qh29a=0.
if (missing(qh29b)) qh29b=0.
if (missing(qh29c)) qh29c=0.

*  {Construct Variables} .

*  {Drinking water supply} .
compute h2oires=0.
if (qh18=11) h2oires=1.
compute h2oores=0.
if (qh18=12) h2oores=1.
compute h2opiPUB=0.
if (qh18=13) h2opiPUB=1.
compute h2oOweld=0.
if (qh18=21) h2oOweld=1.
compute h2oOwely=0.
if (qh18=22) h2oOwely=1.
compute h2oOwelp=0.
if (qh18=21) h2oOwelp=1.
compute h2pbweld=0.
if (qh18=31) h2pbweld=1.
compute h2pbwely=0.
if (qh18=32) h2pbwely=1.
compute h2pbwelp=0.
if (qh18=33) h2pbwelp=1.
compute h2ospng=0.
if (qh18=41) h2ospng=1.
compute h2osurf=0.
if (qh18>=42 and qh18<=44) h2osurf=1.
compute h2orain=0.
if (qh18=51) h2orain=1.
compute h2otruck=0.
if (qh18=61) h2otruck=1.
compute h2obottl=0.
if (qh18=71) h2obottl=1.
compute h2ooth=0.
if (qh18=96) h2ooth=1.
```

```
VARIABLE LABELS
 H2OIRES  "Piped into dwelling"
/H2Oores  "Piped into yard/plot"
/H2OPipub "Public tap"
/H2Ooweld "Open well in dwelling"
/H2Oowely "Open well in yard/plot"
/H2Oowelp "Open public well"
/H2pbweld "Protected well in dwelling"
/H2pbwely "Protected well in yard/plot"
/H2pbwelp "Protected public well"
/H2ospng  "Spring"
/H2OSURF  "Surface water"
/H2ORAIN  "Rainwater"
/H2OTRUCK "Tanker truck"
/H2OBOTTL "Botteled water"
/H2OOTH   "Other source of water"
.
VALUE LABELS
 H2OIRES  1 "Piped into dwelling"
/H2Oores  1 "Piped into yard/plot"
/H2OPipub 1 "Public tap"
/H2Ooweld 1 "Open well in dwelling"
/H2Oowely 1 "Open well in yard/plot"
/H2Oowelp 1 "Open public well"
/H2pbweld 1 "Protected well in dwelling"
/H2pbwely 1 "Protected well in yard/plot"
/H2pbwelp 1 "Protected public well"
/H2ospng  1 "Spring"
/H2OSURF  1 "Surface water"
/H2ORAIN  1 "Rainwater"
/H2OTRUCK 1 "Tanker truck"
/H2OBOTTL 1 "Botteled water"
/H2OOTH   1 "Other source of water"
.

*  {Toilet facility} .
compute fseptic=0.
if (qh20=11)   fseptic=1.
compute fnseptic=0.
if (qh20=12)   fnseptic=1.
compute fpub=0.
if (qh20=21)   fpub=1.
compute friver=0.
if (qh20=31)   friver=1.
compute latpit=0.
if (qh20=41) latpit=1.
compute latbush=0.
if (qh20=51) latbush=1.
compute latoth=0.
if (qh20=96) latoth=1.

VARIABLE LABELS
```

```
 Fseptic  "Private with septic tank"
/Fnseptic "Private with no septic tank"
/FPub     "Shared/public toilet"
/Friver   "Toilet into river/stream/creek"
/LATPIT   "Pit latrine"
/LATBUSH  "Bush/forest/yard/field/no facility"
/LATOTH   "Other type of latrine"
.
VALUE LABELS
 Fseptic  1 "Private with septic tank"
/Fnseptic 1 "Private with no septic tank"
/FPub     1 "Shared/public toilet"
/Friver   1 "Toilet into river/stream/creek"
/LATPIT   1 "Pit latrine"
/LATBUSH  1 "Bush/forest/yard/field/no facility"
/LATOTH   1 "Other type of latrine"
.

*  {Flooring} .
compute dirtfloo=0.
if (qh23=11) dirtfloo=1.
compute bambfloo=0.
if (qh23=21) bambfloo=1.
compute woodfloo=0.
if (qh23=22) woodfloo=1.
compute cemtfloo=0.
if (qh23=31) cemtfloo=1.
compute VINLfloo=0.
if (qh23=32) VINLfloo=1.
compute TILEfloo=0.
if (qh23=33) TILEfloo=1.
compute othfloo=0.
if (qh23=96) othfloo=1.

VARIABLE LABELS
 DIRTFLOO "if has dirt, sand, dung as principal floor in
dwelling"
/BAMBFLOO "if has bamboo principal floor in dwelling"
/WOODFLOO "if has wood, plank principal floor in dwelling"
/CEMTFLOO "if has brick/concretet principal floor"
/VINLFLOO "if has tiles for main flooring material"
/TILEFLOO "if has ceramic/marble/granite for principal floor"
/OTHFLOO  "if has other type of flooring"
.
VALUE LABELS
DIRTFLOO 1 "if has dirt, sand, dung as principal floor in
dwelling"
/BAMBFLOO 1 "if has bamboo principal floor in dwelling"
/WOODFLOO 1 "if has wood, plank principal floor in dwelling"
/CEMTFLOO 1 "if has brick/concretet principal floor"
/VINLFLOO 1 "if has tiles for main flooring material"
/TILEFLOO 1 "if has ceramic/marble/granite for principal floor"
```

```
/OTHFLOO  1 "if has other type of flooring"
.

*  {Walls} .
compute brckwall =0.
if (qh25=2) brckwall =1.
compute woodwall =0.
if (qh25=2) woodwall =1.
compute bambwall =0.
if (qh25=3) bambwall =1.
compute othwall  =0.
if (qh25=6) othwall  =1.

VARIABLE LABELS
 BRCKWALL "if walls from bare brick, cement blocks"
/WOODWALL "if has wood planks for walls"
/BAMBWALL "Walls from bamboo with mud"
/OTHWALL  "if has other material for walls"
.
VALUE LABELS
 BRCKWALL 1 "if walls from brick"
/WOODWALL 1 "if has wood for walls"
/BAMBWALL 1 "Walls from bamboo"
/OTHWALL  1 "if has other material for walls"
.

*  {Roofing} .
compute brckroof =0.
if (qh26=1) brckroof =1.
compute woodroof =0.
if (qh26=2) woodroof =1.
compute tileroof =0.
if (qh26=3) tileroof =1.
compute zincroof =0.
if (qh26=4) zincroof =1.
compute natroof  =0.
if (qh26=5) natroof  =1.
compute othroof  =0.
if (qh26=6) othroof  =1.

VARIABLE LABELS
 NATROOF  "if has natural material roofing"
/WOODROOF "if has wood roof"
/TILEROOF "if has ceramic tiles for roof"
/BRCKROOF "if has bricks for roof"
/ZINCROOF "if has asbestos/zinc for roof"
/OTHROOF  "if has other roofing"
.
VALUE LABELS
 NATROOF  1 "if has natural material roofing"
/WOODROOF 1 "if has wood roof"
/TILEROOF 1 "if has ceramic tiles for roof"
```

```
/BRCKROOF 1 "if has bricks for roof"
/ZINCROOF 1 "if has asbestos/zinc for roof"
/OTHROOF  1 "if has other roofing"
.

*  {Cooking fuel} .
compute cookelec =0.
if (qh28=1) cookelec =1.
compute cookgas  =0.
if (qh28=2) cookgas   =1.
compute cookkero =0.
if (qh28=3) cookkero  =1.
compute cookcoal =0.
if (qh28=4) cookcoal  =1.
compute cookchar =0.
if (qh28=5) cookchar  =1.
compute cookwood =0.
if (qh28=6) cookwood  =1.
compute cookoth  =0.
if (qh28=96) cookoth   =1.

VARIABLE LABELS
 COOKWOOD "if uses wood 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"
/COOKELEC "if uses electricity as cooking fuel"
/COOKOTH  "if uses other cooking fuel"
.
VALUE LABELS
 COOKWOOD 1 "if uses wood as cooking fuel"
/COOKCOAL 1 "if uses coal as cooking fuel"
/COOKCHAR 1 "if uses charcoal for cooking"
/COOKKERO 1 "if uses kerosene as cooking fuel"
/COOKGAS  1 "if uses gas as cooking fuel"
/COOKELEC 1 "if uses electricity as cooking fuel"
/COOKOTH  1 "if uses other cooking fuel"
.
execute.

FACTOR
  /VARIABLES qh24 qh27a qh27b qh27c qh27d qh27e qh29a qh29b qh29c
ownland
  h2oires h2oores h2opipub h2ooweld h2oowely h2oowelp h2pbweld
h2pbwely
  h2pbwelp h2ospng h2osurf h2orain h2otruck h2obottl h2ooth
fseptic fnseptic
  fpub friver latpit latbush latoth dirtfloo bambfloo woodfloo
cemtfloo
  vinlfloo tilefloo othfloo brckwall woodwall bambwall othwall
brckroof
```

```
  woodroof tileroof zincroof natroof othroof cookelec cookgas
cookkero
  cookcoal cookchar cookwood cookoth  /MISSING MEANSUB /ANALYSIS
qh24 qh27a
  qh27b qh27c qh27d qh27e qh29a qh29b qh29c ownland h2oires
h2oores h2opipub
  h2ooweld h2oowely h2oowelp h2pbweld h2pbwely h2pbwelp h2ospng
h2osurf
  h2orain h2otruck h2obottl h2ooth fseptic fnseptic fpub friver
latpit latbush
  latoth dirtfloo bambfloo woodfloo cemtfloo vinlfloo tilefloo
othfloo
  brckwall woodwall bambwall othwall brckroof woodroof tileroof
zincroof
  natroof othroof cookelec cookgas cookkero cookcoal 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\indonesia02\assets.sav".

COMPUTE hhmemwt = qhweight/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 .


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".

STRING hhid (A18).
compute idtmp=qhprov*100+qhregmun.
COMPUTE hhid = concat(STRING(idtmp,f4.0),string
(qhclust,f4.0),string(qhnumber,f2.0)) .

*COMPUTE hhid = concat(STRING(qhprov,f2.0),string(qhregmun,f2.0)
```

```
 ,string(qhclust,f2.0),string(qhnumber,f2.0)) .
VARIABLE LABELS hhid 'Household Identification' .
EXECUTE .

write outfile='c:\hnp2a\indone~1\scores.dat' records=1 table
/hhid fac1_1 wlthind5.
execute.

MEANS
  TABLES=hv012 hv013 qh24 qh27a qh27b qh27c qh27d qh27e qh29a
qh29b qh29c
  ownland h2oires h2oores h2opipub h2ooweld h2oowely h2oowelp
h2pbweld
  h2pbwely h2pbwelp h2ospng h2osurf h2orain h2otruck h2obottl
h2ooth fseptic
  fnseptic fpub friver latpit latbush latoth dirtfloo bambfloo
woodfloo
  cemtfloo vinlfloo tilefloo othfloo brckwall woodwall bambwall
othwall
  brckroof woodroof tileroof zincroof natroof othroof cookelec
cookgas
  cookkero cookcoal cookchar cookwood cookoth  BY qhtype  BY
wlthind5
  /CELLS MEAN COUNT STDDEV  .

WEIGHT
  OFF.

DESCRIPTIVES
  VARIABLES=hv012 hv013 qh24 qh27a qh27b qh27c qh27d qh27e qh29a
qh29b qh29c
  ownland h2oires h2oores h2opipub h2ooweld h2oowely h2oowelp
h2pbweld
  h2pbwely h2pbwelp h2ospng h2osurf h2orain h2otruck h2obottl
h2ooth fseptic
  fnseptic fpub friver latpit latbush latoth dirtfloo bambfloo
woodfloo
  cemtfloo vinlfloo tilefloo othfloo brckwall woodwall bambwall
othwall
  brckroof woodroof tileroof zincroof natroof othroof cookelec
cookgas
  cookkero cookcoal cookchar cookwood cookoth
/STATISTICS=MEAN STDDEV MIN MAX .

save outfile="c:\hnp2\indonesia02\assets.sav".
```