```
*{Construct Variables}.

*{Members per sleeping room}.
if (hv012=0) hv012=hv013.
if (qh114b>0) memsleep=trunc(hv012/qh114b).
if (qh114b=0) memsleep=hv012.
if (memsleep>=98) memsleep=98.

VARIABLE LABELS
 MEMSLEEP "Number of members per sleeping room".
value labels memsleep 0 'Less than 1 per room'.

*{Drinking water supply}.
compute h2oires=0.
if (qh102=11) h2oires=1.
var labels h2oires "Piped into dwelling".
compute h2oyrd=0.
if (qh102=12) h2oyrd=1.
var labels h2oyrd "Piped into yard/plot".
compute h2opub=0.
if (qh102=13) h2opub=1.
var labels h2opub "Public tap / standpipe".
compute h2oodwell=0.
if (qh102=21) h2oodwell=1.
var labels h2oodwell "Open well in dwelling".
compute h2ooywell=0.
if (qh102=22) h2ooywell=1.
var labels h2ooywell "Open well in yard/plot".
compute h2oopwell=0.
if (qh102=23) h2oopwell=1.
var labels h2oopwell "Open public well".
compute h2opdwell=0.
if (qh102=31) h2opdwell=1.
var labels h2opdwell "Protected well in dwelling".
compute h2opywell=0.
if (qh102=32) h2opywell=1.
var labels h2opywell "Protected well in yard/plot".
compute h2oppwell=0.
if (qh102=33) h2oppwell=1.
var labels h2oppwell "Protected public well".
compute h2ospg=0.
if (qh102=41) h2ospg=1.
var labels h2ospg "Spring".
compute h2orain=0.
if (qh102=51) h2orain=1.
var labels h2orain "Water from rain".
compute h2otruck=0.
if (qh102=61) h2otruck=1.
var labels h2otruck "Water from tanker truck".
compute h2osurf=0.
```

```
if (qh102>=42 and qh102<=44) h2osurf=1.
var labels h2osurf "Surface water-river, lake, dam, etc.".
compute h2obot=0.
if (qh102=71) h2obot=1.
var labels h2obot "Water from bottle".
compute h2oref=0.
if (qh102=81) h2oref=1.
var labels h2oref "Refill Water".
compute h2ooth=0.
if (qh102=96) h2ooth=1.
var labels h2ooth "Other water source".

*{Toilet facility}.
compute flushs=0.
if (qh107=11) flushs=1.
var labels flushs "Flush toilet to sewer".
compute flusht=0.
if (qh107=12) flusht=1.
var labels flusht "Flush toilet to septic tank".
compute fshare=0.
if (qh107=21) fshare=1.
var labels fshare "Shared/public toilet".
compute lathang=0.
if (qh107=31) lathang=1.
var labels lathang "River, stream, creek".
compute latpit=0.
if (qh107=41) latpit=1.
var labels latpit "Traditional pit latrine".
compute latbush=0.
if (qh107=51) latbush=1.
var labels latbush "No facility yard/bush/forest".
compute latoth=0.
if (qh107=96) latoth=1.
var labels latoth 'Other type of latrine/toilet'.

*{Flooring}.
compute dirtfloo=0.
if (qh114=11) dirtfloo=1.
var labels dirtfloo "Earth, sand, dung floor".
compute woodfloo=0.
if (qh114=12 or qh114=22) woodfloo=1.
var labels woodfloo "Rudimentary wood plank, palm, bamboo floor".
compute cemtfloo=0.
if (qh114=34) cemtfloo=1.
var labels cemtfloo "Cement/brick floor".
compute granfloo=0.
if (qh114=32) granfloo=1.
var labels granfloo "Ceramic, granite, marble floor".
compute tilefloo=0.
if (qh114=33) tilefloo=1.
var labels tilefloo "Tile, tiles, terrazzo floor".
compute prqfloo=0.
```

```
if (qh114=31) prqfloo=1.
var labels prqfloo "Polished wood floor".
compute othfloo=0.
if (qh114=96) othfloo=1.
var labels othfloo "Other type of flooring".

*{Walls}.

compute bambwall=0.
if (qh116=11) bambwall=1.
var labels bambwall "Bamboo walls".

compute wswall=0.
if (qh116=12) wswall=1.
var labels wswall "Wood stem walls".

compute wbwall=0.
if (qh116=31) wbwall=1.
var labels wbwall "Woven bamboo walls".
compute brkwall=0.
if (qh116=33) brkwall=1.
var labels brkwall "Baked brick walls".
compute woodwall=0.
if (qh116=32) woodwall=1.
var labels woodwall "Wood planks, shingles walls".
compute othwall=0.
if (qh116=96) othwall=1.
var labels othwall "Other type of walls".

*{Roofing}.
compute natroof=0.
if (qh115=11) natroof=1.
var labels natroof "Thatch/palm/sod roof".
compute woodroof=0.
if (qh115=21) woodroof=1.
var labels woodroof "Wood/sirap roof".
compute bambroof=0.
if (qh115=22) bambroof=1.
var labels bambroof "Bamboo roof".
compute metroof=0.
if (qh115=31) metroof=1.
var labels metroof "Metal/zinc roof".
compute asbroof=0.
if (qh115=32) asbroof=1.
var labels asbroof "Asbestos roof".
compute tileroof=0.
if (qh115=33) tileroof=1.
var labels tileroof "Tile roof".
compute cmtroof=0.
if (qh115=34) cmtroof=1.
var labels cmtroof "Concrete roof".
compute mtileroof=0.
```

```
if (qh115=35) mtileroof=1.
var labels mtileroof "Metal tiles roof".
compute othroof=0.
if (qh115=96) othroof=1.
var labels othroof "Other type of roof".

*{Cooking Fuel}.
compute cookelec=0.
if (qh111=1) cookelec=1.
var labels cookelec "Electricity for cooking".
compute cookgas=0.
if (qh111=2) cookgas=1.
var labels cookgas "LPG or natural gas for cooking".
compute cookbio=0.
if (qh111=3) cookbio=1.
var labels cookbio "Biogas for cooking".
compute cookkero=0.
if (qh111=4) cookkero=1.
var labels cookkero "Kerosene for cooking".
compute cookcoal=0.
if (qh111=5) cookcoal=1.
var labels cookcoal "Coal for cooking".
compute cookchar=0.
if (qh111=6) cookchar=1.
var labels cookchar "Charcoal for cooking".
compute cookwood=0.
if (qh111=7) cookwood=1.
var labels cookwood "Wood for cooking".
compute cookstraw=0.
if (qh111=8) cookstraw=1.
var labels cookstraw "Straw for cooking".
compute cookcrop=0.
if (qh111=9) cookcrop=1.
var labels cookcrop "Agricultural crop for cooking".
compute cookdung=0.
if (qh111=10) cookdung=1.
var labels cookdung "Dung for cooking".
compute cooknone=0.
if (qh111=95) cooknone=1.
var labels cooknone 'Does not cook'.
compute cookoth=0.
if (qh111=96) cookoth=1.
var labels cookoth "Other fuel for cooking".

*{Reset missing values to "does not have", change 2 code to 0}.

if (qh110a<>1) qh110a=0.
if (qh110b<>1) qh110b=0.
if (qh110c<>1) qh110c=0.
if (qh110d<>1) qh110d=0.
if (qh110e<>1)  qh110e=0.
if (qh110f<>1) qh110f=0.
```

```
if (qh118a<>1) qh118a=0.
if (qh118b<>1) qh118b=0.
if (qh118c<>1) qh118c=0.
if (qh118d<>1) qh118d=0.
if (qh118e<>1) qh118e=0.
if (qh118f<>1)  qh118f=0.
if (qh118g<>1)  qh118g=0.

if (qh119<>1) qh119=0.

compute landarea=0.

if (not(missing(qh120))) landarea=qh120.
if (missing(qh120) or qh120>=99.8) landarea=$sysmis.
if (qh119<>1) landarea=0.

*{Livestock}.
if (qh121<>1) qh121=0.
if (qh121<>1) qh122a=0.
if (qh121<>1) qh122b=0.
if (qh121<>1) qh122c=0.
if (qh121<>1) qh122d=0.
if (qh121<>1) qh122e=0.
if (qh121<>1) qh122f=0.

FREQUENCIES variables=landarea.

missing values qh122a to qh122f (98,99).

if (qh123<>1) qh123=0.

*{Solid waste/garbage collection}.

* Area of dwelling.

missing values qh114a(998,999).

execute.

FREQUENCIES VARIABLES=QH102 QH103 QH107 QH109 QH110A QH110B
QH110C QH110D QH110E QH110F QH111
    QH114A QH114 QH114B QH115 QH116 QH118A QH118B QH118C QH118D
QH118E QH118F QH118G QH123 HOUSE LAND
  /ORDER=ANALYSIS.


FREQUENCIES VARIABLES=QH122A QH122B QH122C QH122D QH122E QH122F
memsleep h2oires h2oyrd h2opub
    h2oodwell h2ooywell h2oopwell h2opdwell h2opywell h2oppwell
h2ospg h2orain h2otruck
    h2osurf h2obot h2oref h2ooth flushs flusht fshare lathang
```

```
latpit latbush latoth dirtfloo woodfloo
    cemtfloo granfloo tilefloo prqfloo othfloo bambwall wswall
wbwall brkwall woodwall othwall natroof
    woodroof bambroof metroof asbroof tileroof cmtroof mtileroof
othroof cookelec cookgas cookbio
    cookkero cookcoal cookchar cookwood cookstraw cooknone
cookoth landarea
  /ORDER=ANALYSIS.

save outfile="c:\hnp2a\Indonesia 2012\id121assets.sav".

**********.
*** Factor Analysis to Test Distribution of created variables.

FACTOR
  /VARIABLES  QH110A QH110B QH110C QH110D QH110E QH110F
    QH114A QH114B QH118A QH118B QH118C QH118D QH118E QH118F
QH118G QH123 HOUSE LAND
    QH122A QH122B QH122C QH122D QH122E QH122F
    memsleep h2oires h2oyrd h2opub
    h2oodwell h2ooywell h2oopwell h2opdwell h2opywell h2oppwell
h2ospg h2orain h2otruck
    h2osurf h2obot h2oref h2ooth flushs flusht fshare lathang
latpit latbush latoth dirtfloo woodfloo
    cemtfloo granfloo tilefloo prqfloo othfloo bambwall wswall
wbwall brkwall woodwall othwall natroof
    woodroof bambroof metroof asbroof tileroof cmtroof mtileroof
othroof cookelec cookgas cookbio
    cookkero cookcoal cookchar cookwood cookstraw cooknone
cookoth landarea
  /MISSING MEANSUB
  /ANALYSIS  QH102 QH103 QH107 QH109 QH110A QH110B QH110C QH110D
QH110E QH110F QH111
    QH114A QH114 QH114B QH115 QH116 QH118A QH118B QH118C QH118D
QH118E QH118F QH118G QH123 HOUSE LAND
    QH122A QH122B QH122C QH122D QH122E QH122F
    memsleep h2oires h2oyrd h2opub
    h2oodwell h2ooywell h2oopwell h2opdwell h2opywell h2oppwell
h2ospg h2orain h2otruck
    h2osurf h2obot h2oref h2ooth flushs flusht fshare lathang
latpit latbush latoth dirtfloo woodfloo
    cemtfloo granfloo tilefloo prqfloo othfloo bambwall wswall
wbwall brkwall woodwall othwall natroof
    woodroof bambroof metroof asbroof tileroof cmtroof mtileroof
othroof cookelec cookgas cookbio
    cookkero cookcoal cookchar cookwood cookstraw cooknone
cookoth landarea
        /PRINT UNIVARIATE INITIAL CORRELATION EXTRACTION
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

```
**********************************.
*** Common Factor Analysis.

FILTER OFF.
USE ALL.
EXECUTE.

**** Redo removing area-specific variables ****.
weight off.
FACTOR
 /VARIABLES QH110A QH110B QH110C QH110D QH110E QH110F
    QH114A QH114B QH118A QH118B QH118C QH118D QH118E QH118F
QH118G QH123 HOUSE LAND
    memsleep h2oires h2oyrd h2opub
    h2oodwell h2ooywell h2oopwell h2opdwell h2opywell h2oppwell
h2ospg h2orain h2otruck
    h2osurf h2obot h2oref h2ooth flushs flusht fshare lathang
latpit latbush latoth dirtfloo woodfloo
    cemtfloo granfloo tilefloo prqfloo othfloo bambwall wswall
wbwall brkwall woodwall othwall natroof
    woodroof bambroof metroof asbroof tileroof cmtroof mtileroof
othroof cookelec cookgas cookbio
    cookkero cookcoal cookchar cookwood cookstraw cooknone
cookoth
  /MISSING MEANSUB
  /ANALYSIS QH110A QH110B QH110C QH110D QH110E QH110F
    QH114A QH114B QH118A QH118B QH118C QH118D QH118E QH118F
QH118G QH123 HOUSE LAND
    memsleep h2oires h2oyrd h2opub
    h2oodwell h2ooywell h2oopwell h2opdwell h2opywell h2oppwell
h2ospg h2orain h2otruck
    h2osurf h2obot h2oref h2ooth flushs flusht fshare lathang
latpit latbush latoth dirtfloo woodfloo
    cemtfloo granfloo tilefloo prqfloo othfloo bambwall wswall
wbwall brkwall woodwall othwall natroof
    woodroof bambroof metroof asbroof tileroof cmtroof mtileroof
othroof cookelec cookgas cookbio
    cookkero cookcoal cookchar cookwood cookstraw cooknone
cookoth
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /SAVE REG(ALL com)
  /METHOD=CORRELATION.

weight off.

** Standard wealth index for DHS by urban and rural areas.
```

```
**  Urban Areas.

USE ALL.
COMPUTE filter_$=(qhtype = 1).
VARIABLE LABEL filter_$ 'qhtype = 1 (FILTER)'.
VALUE LABELS filter_$  0 'Not Selected' 1 'Selected'.
FORMAT filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE .

WEIGHT
  OFF.


FACTOR
   /VARIABLES QH110A QH110B QH110C QH110D QH110E QH110F
    QH114A QH114B QH118A QH118B QH118C QH118D QH118E QH118F
QH118G QH123 HOUSE LAND
    QH122A QH122B QH122C QH122D QH122E QH122F
    memsleep h2oires h2oyrd h2opub
    h2oodwell h2ooywell h2oopwell h2opdwell h2opywell h2oppwell
h2ospg h2orain h2otruck
    h2osurf h2obot h2oref h2ooth flushs flusht fshare lathang
latpit latbush latoth dirtfloo woodfloo
    cemtfloo granfloo tilefloo prqfloo othfloo bambwall wswall
wbwall brkwall woodwall othwall natroof
    woodroof bambroof metroof asbroof tileroof cmtroof mtileroof
othroof cookelec cookgas cookbio
    cookkero cookcoal cookchar cookwood cookstraw cooknone
cookoth landarea
  /MISSING MEANSUB
  /ANALYSIS QH110A QH110B QH110C QH110D QH110E QH110F
    QH114A QH114B QH118A QH118B QH118C QH118D QH118E QH118F
QH118G QH123 HOUSE LAND
    QH122A QH122B QH122C QH122D QH122E QH122F
    memsleep h2oires h2oyrd h2opub
    h2oodwell h2ooywell h2oopwell h2opdwell h2opywell h2oppwell
h2ospg h2orain h2otruck
    h2osurf h2obot h2oref h2ooth flushs flusht fshare lathang
latpit latbush latoth dirtfloo woodfloo
    cemtfloo granfloo tilefloo prqfloo othfloo bambwall wswall
wbwall brkwall woodwall othwall natroof
    woodroof bambroof metroof asbroof tileroof cmtroof mtileroof
othroof cookelec cookgas cookbio
    cookkero cookcoal cookchar cookwood cookstraw cooknone
cookoth landarea
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /SAVE REG(ALL URB)
  /METHOD=CORRELATION.
```

```
** Rural Area.

USE ALL.
COMPUTE filter_$=(qhtype = 2).
VARIABLE LABEL filter_$ 'qhtype = 2 (FILTER)'.
VALUE LABELS filter_$  0 'Not Selected' 1 'Selected'.
FORMAT filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE .


FACTOR
  /VARIABLES QH110A QH110B QH110C QH110D QH110E QH110F
    QH114A QH114B QH118A QH118B QH118C QH118D QH118E QH118F
QH118G QH123 HOUSE LAND
    QH122A QH122B QH122C QH122D QH122E QH122F
    memsleep h2oires h2oyrd h2opub
    h2oodwell h2ooywell h2oopwell h2opdwell h2opywell h2oppwell
h2ospg h2orain h2otruck
    h2osurf h2obot h2oref h2ooth flushs flusht fshare lathang
latpit latbush latoth dirtfloo woodfloo
    cemtfloo granfloo tilefloo prqfloo othfloo bambwall wswall
wbwall brkwall woodwall othwall natroof
    woodroof bambroof metroof asbroof tileroof cmtroof mtileroof
othroof cookelec cookgas cookbio
    cookkero cookcoal cookchar cookwood cookstraw cooknone
cookoth landarea
  /MISSING MEANSUB
  /ANALYSIS QH110A QH110B QH110C QH110D QH110E QH110F
    QH114A QH114B QH118A QH118B QH118C QH118D QH118E QH118F
QH118G QH123 HOUSE LAND
    QH122A QH122B QH122C QH122D QH122E QH122F
    memsleep h2oires h2oyrd h2opub
    h2oodwell h2ooywell h2oopwell h2opdwell h2opywell h2oppwell
h2ospg h2orain h2otruck
    h2osurf h2obot h2oref h2ooth flushs flusht fshare lathang
latpit latbush latoth dirtfloo woodfloo
    cemtfloo granfloo tilefloo prqfloo othfloo bambwall wswall
wbwall brkwall woodwall othwall natroof
    woodroof bambroof metroof asbroof tileroof cmtroof mtileroof
othroof cookelec cookgas cookbio
    cookkero cookcoal cookchar cookwood cookstraw cooknone
cookoth landarea
  /PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
  /CRITERIA FACTORS(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /SAVE REG(ALL RUR)
  /METHOD=CORRELATION.
```

```
* Calculate regressions with total score.
** Urban Area.

USE ALL.
COMPUTE filter_$=(qhtype = 1).
VARIABLE LABEL filter_$ 'qhtype = 1 (FILTER)'.
VALUE LABELS filter_$  0 'Not Selected' 1 'Selected'.
FORMAT filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE .


REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT com1
  /METHOD=ENTER URB1  .

** Rural Area.

USE ALL.
COMPUTE filter_$=(qhtype = 2).
VARIABLE LABEL filter_$ 'qhtype = 2 (FILTER)'.
VALUE LABELS filter_$  0 'Not Selected' 1 'Selected'.
FORMAT filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE .


REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT com1
  /METHOD=ENTER RUR1  .

FILTER OFF.
USE ALL.
EXECUTE .


*** Calculate combined wealth score from Urban and Rural Scores.
compute combscor=0.
print formats combscor (F11.5).
** Urban.
if (qhtype = 1) combscor=0.489+0.805* URB1.
** Rural.
```

```
if (qhtype = 2) combscor=(-0.443)+0.946* RUR1.
execute.


*Calculate quintiles and scores for data file.
compute hhmemwt=qhweight*hv012/1000000.
weight by hhmemwt.
VARIABLE LABELS hhmemwt 'HH members weighting for Index' .

** Urban Area.
USE ALL.
COMPUTE filter_$=(qhtype = 1).
VARIABLE LABEL filter_$ 'qhtype = 1 (FILTER)'.
VALUE LABELS filter_$  0 'Not Selected' 1 'Selected'.
FORMAT filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE .

RANK
  VARIABLES=urb1  (A) /RANK /NTILES (5) /PRINT=YES
  /TIES=MEAN .

** Rural Area.

USE ALL.
COMPUTE filter_$=(qhtype = 2).
VARIABLE LABEL filter_$ 'qhtype = 2 (FILTER)'.
VALUE LABELS filter_$  0 'Not Selected' 1 'Selected'.
FORMAT filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE .

RANK
  VARIABLES=rur1  (A) /RANK /NTILES (5) /PRINT=YES
  /TIES=MEAN .

** National combined score.

FILTER OFF.
USE ALL.
EXECUTE .

RANK
  VARIABLES=combscor  (A) /RANK /NTILES (5) /PRINT=YES
  /TIES=MEAN .

FREQUENCIES
  VARIABLES=combscor  /FORMAT=NOTABLE
  /NTILES= 5
  /STATISTICS=STDDEV MINIMUM MAXIMUM MEAN MEDIAN MODE SKEWNESS
SESKEW
  KURTOSIS SEKURT
```

```
  /ORDER=  ANALYSIS .

frequencies variables=ncombsco.

compute hhwt=qhweight/1000000.
weight by hhwt.
VARIABLE LABELS hhwt 'HH weights' .

MEANS TABLES= QH110A QH110B QH110C QH110D QH110E QH110F
    QH114A QH114B QH118A QH118B QH118C QH118D QH118E QH118F
QH118G QH123 HOUSE LAND
    QH122A QH122B QH122C QH122D QH122E QH122F
    memsleep h2oires h2oyrd h2opub
    h2oodwell h2ooywell h2oopwell h2opdwell h2opywell h2oppwell
h2ospg h2orain h2otruck
    h2osurf h2obot h2oref h2ooth flushs flusht fshare lathang
latpit latbush latoth dirtfloo woodfloo
    cemtfloo granfloo tilefloo prqfloo othfloo bambwall wswall
wbwall brkwall woodwall othwall natroof
    woodroof bambroof metroof asbroof tileroof cmtroof mtileroof
othroof cookelec cookgas cookbio
    cookkero cookcoal cookchar cookwood cookstraw cooknone
cookoth landarea
    by Ncombsco
  /CELLS MEAN COUNT STDDEV.


compute hv271=combscor.
compute hv270=ncombsco.

save outfile="c:\hnp2a\Indonesia 2012\ID12assets.sav".

WEIGHT
  OFF.


compute hhwt=qhweight/1000000.
weight by hhwt.

GRAPH
  /HISTOGRAM(NORMAL)=combscor
  /TITLE= 'Distribution of Households by Wealth Scores Indonesia
2012'.
FREQUENCIES
  VARIABLES=combscor  /FORMAT=NOTABLE
  /NTILES= 5
  /STATISTICS=STDDEV MINIMUM MAXIMUM SEMEAN MEAN MEDIAN MODE
SKEWNESS SESKEW
  KURTOSIS SEKURT
  /ORDER=  ANALYSIS .

write formats combscor urb1 rur1 (f11.5).
```

```
WRITE OUTFILE='c:\hnp2a\Indonesia 2012\id12scores.dat'
  TABLE
  /qhclust qhnumber combscor ncombsco urb1 nurb1 rur1 nrur1.
EXECUTE.

save outfile="c:\hnp2a\Indonesia 2012\id12assets.sav".




FREQUENCIES VARIABLES=QH102 QH103 QH107 QH109 QH110A QH110B
QH110C QH110D QH110E QH110F QH111
    QH114A QH114 QH114B QH115 QH116 QH118A QH118B QH118C QH118D
QH118E QH118F QH118G QH123 HOUSE LAND
  /ORDER=ANALYSIS.

FREQUENCIES VARIABLES=QH122A QH122B QH122C QH122D QH122E QH122F
memsleep h2oires h2oyrd h2opub
    h2oodwell h2ooywell h2oopwell h2opodwell h2opdwell h2opywell
h2oppwell h2ospg h2orain h2otruck
    h2osurf h2obot h2oref h2ooth flushs flusht fshare lathang
latpit latbush latoth dirtfloo woodfloo
    cemtfloo granfloo tilefloo prqfloo othfloo bambwall wswall
wbwall brkwall woodwall othwall natroof
    woodroof bambroof metroof asbroof tileroof cmtroof mtileroof
othroof cookelec cookgas cookbio
    cookkero cookcoal cookchar cookwood cookstraw cookcrop
cookdung cooknone cookoth landarea
  /ORDER=ANALYSIS.
```