

** Urban Area

```
USE ALL.  
COMPUTE filter_$=(hv025 = 1).  
VARIABLE LABEL filter_$ 'hv025 = 1 (FILTER)'.  
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.  
FORMAT filter_$ (f1.0).  
FILTER BY filter_$.  
EXECUTE .
```

```
WEIGHT  
OFF.
```

```
FREQUENCIES  
VARIABLES=HV244 HV245 HV246 HV246A HV246C HV246D HV246E  
HV246G HV246H HV246I HV246J  
/ORDER= ANALYSIS .
```

```
FACTOR  
/VARIABLES HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV221 HV243A  
HV243C  
HV243D HV244 HV245 HV244 HV245 HV246 HV246A HV246C HV246D HV246E  
HV246G HV246H HV246I HV246J HV247 SH51A SH51B SH51C SH51D SH51E SH51J  
SH51K  
SH51L SH51M SH51N SH51O SH51P SH51Q SH51R SH51S SH69 SH70 DOMESTIC  
OWNLAND  
memsleep h2oires h2oyrdr h2opub h2opvwell h2opbwell h2osprng h2osurf  
h2orain  
h2otrk h2obotl h2ooth flushin flushout latvip latsep latpit1 lathang  
latbush  
latoth shared sflushin sflushot slatvip slatsep slatpit1 dirtfloo  
woodfloo  
prqfloo vinfloo tilefloo cemtfloo othfloo woodwall natwall tabwall  
adobwall  
bbmwall stonmwall cartwall cmtwall stoncwall plywdwall nowall othwall  
natroof estroof bbroof cartroof cmtrroof woodroof tileroof corrrroof  
othroof  
cookelec cooklpg cookgas cookkero cookcoal cookchar cookwood cookstrw  
cookcrop cookdung cooknot cookoth eleclt lpglt kerolt candlt battlt  
othlt  
/MISSING MEANSUB /ANALYSIS HV206 HV207 HV208 HV209 HV210 HV211 HV212  
HV221  
HV243A HV243C HV243D HV244 HV245 HV244 HV245 HV246 HV246A HV246C HV246D  
HV246E  
HV246G HV246H HV246I HV246J HV247 SH51A SH51B SH51C SH51D  
SH51E SH51J SH51K SH51L SH51M SH51N SH51O SH51P SH51Q SH51R SH51S SH69  
SH70  
DOMESTIC OWNLAND memsleep h2oires h2oyrdr h2opub h2opvwell h2opbwell  
h2osprng h2osurf h2orain h2otrk h2obotl h2ooth flushin flushout latvip  
latsep latpit1 lathang latbush latoth shared sflushin sflushot slatvip  
slatsep slatpit1 dirtfloo woodfloo prqfloo vinfloo tilefloo cemtfloo  
othfloo
```

```

woodwall natwall tabwall adobwall bbmwall stonmwall cartwall cmtwall
stoncwall plywdwall nowall othwall natroof estroof bbroof cartroof
cmtroof
woodroof tileroof corrrroof othroof cookelec cooklpg cookgas cookkero
cookcoal cookchar cookwood cookstrw cookcrop cookdung cooknot cookoth
elect
lpglt kerolt candlt battlt othlt
/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_$(hv025 = 2).
VARIABLE LABEL filter_$ 'hv025 = 2 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMAT filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE .

```

FREQUENCIES

```

VARIABLES=HV244 HV245 HV246 HV246A HV246C HV246D HV246E
HV246G HV246H HV246I HV246J
/ORDER= ANALYSIS .

```

FACTOR

```

/VARIABLES HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV221 HV243A
HV243C
HV243D HV244 HV245 HV244 HV245 HV246 HV246A HV246C HV246D HV246E
HV246G HV246H HV246I HV246J HV247 SH51A SH51B SH51C SH51D SH51E SH51J
SH51K
SH51L SH51M SH51N SH51O SH51P SH51Q SH51R SH51S SH69 SH70 DOMESTIC
OWNLAND
memsleep h2oires h2oyrdr h2opub h2opvwell h2opbwell h2osprng h2osurf
h2orain
h2otrk h2obotl h2ooth flushin flushout latvip latsep latpitl lathang
latbush
latoth shared sflushin sflushot slatvip slatsep slatpitl dirtfloo
woodfloo
prqfloo vinfloo tilefloo cemtfloo othfloo woodwall natwall tabwall
adobwall
bbmwall stonmwall cartwall cmtwall stoncwall plywdwall nowall othwall
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cookelec cooklpg cookgas cookkero cookcoal cookchar cookwood cookstrw
cookcrop cookdung cooknot cookoth elect lpglt kerolt candlt battlt
othlt
/MISSING MEANSUB /ANALYSIS HV206 HV207 HV208 HV209 HV210 HV211 HV212
HV221

```

HV243A HV243C HV243D HV244 HV245 HV244 HV245 HV246 HV246A HV246C HV246D
HV246E

HV246G HV246H HV246I HV246J HV247 SH51A SH51B SH51C SH51D
SH51E SH51J SH51K SH51L SH51M SH51N SH51O SH51P SH51Q SH51R SH51S SH69
SH70

DOMESTIC OWNLAND memsleep h2oires h2oyrdr h2opub h2opvwell h2opbwell
h2osprng h2osurf h2orain h2otrk h2obotl h2ooth flushin flushout latvip
latsep latpit1 lathang latbush latoth shared sflushin sflushot slatvip
slatsep slatpit1 dirtfloo woodfloo prqfloo vinfloo tilefloo cemtfloo
othfloo

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stoncwall plywdwall nowall othwall natroof estroof bbroof cmtrroof
woodroof tileroof corrrroof othroof cookelec cooklpg cookgas cookkero
cookcoal cookchar cookwood cookstrw cookcrop cookdung cooknot cookoth
elect

lpglt kerolt candlt battlt othlt
/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 areas.

USE ALL.

COMPUTE filter_\$(hv025 = 1).
VARIABLE LABEL filter_\$ 'hv025 = 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 FAC1_1
/METHOD=ENTER URB1 .

* Rural areas.

USE ALL.

COMPUTE filter_\$(hv025 = 2).
VARIABLE LABEL filter_\$ 'hv025 = 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 FAC1_1
/METHOD=ENTER RUR1 .

FILTER OFF.
USE ALL.
EXECUTE .

*** Calculate combined wealth score from Urban and Rural Scores.
compute comb scor=0.
** Urban.
if (hv025 eq 1) comb scor=0.564+0.830* URB1.
** Rural.
if (hv025 eq 2) comb scor=(-0.788)+0.561* RUR1.
execute.

*Tabulation for histograms
weight by hhwt.
filter off.
use all.
FREQUENCIES
  VARIABLES=com scor /FORMAT=NOTABLE
  /NTILES= 5
  /STATISTICS=STDDEV MEAN
  /HISTOGRAM NORMAL
  /ORDER= ANALYSIS .

* Calculate histogram intervals.

compute histnac=trunc(fac1_1/((2.5-(-2.0))/50)).
if (fac1_1 ge 0 ) histnac=histnac+1.
freq var=histnac.

*Calculate quintiles and scores for data file.

compute hhmemwt=hv012*hv005/1000000.
weight by hhmemwt.
VARIABLE LABELS hhmemwt 'HH members weighting for Index' .

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

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

```

```

/ORDER= ANALYSIS .

frequencies variables=ncombsco.

compute hhwt=hv005/1000000.
weight by hhwt.
VARIABLE LABELS hhwt 'HH weights' .
MEANS
  TABLES=HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV221 HV243A
  HV243C HV243D HV247 SH51A SH51B SH51C SH51D SH51E SH51J SH51K SH51L
  SH51M
  SH51N SH51O SH51P SH51Q SH51R SH51S SH61 SH67A SH67B SH67C SH67D SH67E
  SH68F
  DOMESTIC memsleep h2oires h2oyrdr h2opub h2opvwell h2opbwell h2osprng
  h2osurf h2orain h2otrk h2obotl h2ooth flushin flushout latvip latsep
  latpitl lathang latbush latoth shared dirtfloo woodfloo prqfloo vinfloo
  tilefloo cemtfluo othfloo woodwall natwall tabwall adobwall bbmwall
  stonmwall cartwall cmtwall stoncwall plywdwall nowall othwall natroof
  estroof bbroof cartroof cmtroof woodroof tileroof corrrroof othroof
  cookelec cooklpg cookgas cookkero cookcoal cookchar cookwood
  cookstrw cookcrop cookdung cooknot cookoth elecflt lpgflt keroflt candlt
  battlt othlt sflushin sflushot slatvip slatsep slatpitl
BY ncombsco
  /CELLS MEAN COUNT STDDEV .

compute hv271=combscor.
compute hv270=ncombsco.

save outfile="pe9assets.sav".

WEIGHT
  OFF.
FREQUENCIES
  VARIABLES=hv271
  /ORDER= ANALYSIS .

compute hhwt=hv005/1000000.
weight by hhwt.

GRAPH
  /HISTOGRAM(NORMAL)=combscor
  /TITLE= 'Distribution of Households by Wealth Scores Peru 2009'.
FREQUENCIES
  VARIABLES=combscor /FORMAT=NOTABLE
  /NTILES= 5
  /STATISTICS=STDDEV MINIMUM MAXIMUM SEMEAN MEAN MEDIAN MODE SKEWNESS
  SESKEW
  KURTOSIS SEKURT
  /ORDER= ANALYSIS .

WRITE OUTFILE='pe9scores.dat'
  TABLE
  /hhid combscor ncombsco.
EXECUTE.

```