

\* liberia.

FREQ hv015.

SELECT IF hv015 = 1.  
EXECUTE.

FREQ hv201 hv205 hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv213  
hv214  
hv215 hv216 hv225 hv242 hv243a hv243b hv246b hv246d hv246e  
hv246f hv246g hv247 sh111b sh111f sh111g sh111h sh111i sh111j  
sh111l sh119e.

\* WATER.

COMPUTE h2opipe = 0.  
IF (hv201 = 11) h2opipe = 1.  
VAR LABELS h2opipe "if gets water piped into home".  
VAL LABELS h2opipe 0 "no water piped into home"  
1 "water is piped into home".

COMPUTE h2oyard = 0.  
IF (hv201 = 12 | hv201 = 71) h2oyard = 1.  
VAR LABELS h2oyard "if gets water piped into yard (+7 bottle)".  
VAL LABELS h2oyard 0 "no water piped into yard"  
1 "water is piped into yard".

COMPUTE h2opub = 0.  
IF (hv201 = 13) h2opub = 1.  
VAR LABELS h2opub "if gets water from piped public source".  
VAL LABELS h2opub 0 "no water from piped public source"  
1 "water is from piped public source".

COMPUTE h2otube = 0.  
IF (hv201 = 21) h2otube = 1.  
VAR LABELS h2otube "if gets water from a tube/borehole well".  
VAL LABELS h2otube 0 "no water from a tube/borehole well"  
1 "water is from a tube/borehole well".

COMPUTE h2ppvwel = 0.  
IF (hv201 = 31) h2ppvwel = 1.  
VAR LABELS h2ppvwel "if gets water from a protected well".  
VAL LABELS h2ppvwel 0 "no water from a protected well"  
1 "water is from a protected well".

COMPUTE h2pydwel = 0.  
IF (hv201 = 32) h2pydwel = 1.  
VAR LABELS h2pydwel "if gets water from an unprotected well".  
VAL LABELS h2pydwel 0 "no water from an unprotected well"

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        1 "water is from an unprotected well".

COMPUTE h2spring = 0.
IF (hv201 = 41 | hv201 = 42) h2spring = 1.
VAR LABELS h2spring "if gets water from a spring".
VAL LABELS h2spring 0 "no water from a spring"
        1 "water is from a spring".

COMPUTE h2osurf = 0.
IF (hv201 = 43) h2osurf = 1.
VAR LABELS h2osurf "if gets water from a surface source".
VAL LABELS h2osurf 0 "no water from a surface source"
        1 "water is from a surface source".

COMPUTE h2otruck = 0.
IF (hv201 = 61) h2otruck = 1.
VAR LABELS h2otruck "if gets water from truck".
VAL LABELS h2otruck 0 "no water from truck"
        1 "water is from truck".

COMPUTE h2ocart = 0.
IF (hv201 = 61) h2ocart = 1.
VAR LABELS h2ocart "if gets water from cart w/ small tank".
VAL LABELS h2ocart 0 "no water from cart"
        1 "water is from cart".

COMPUTE h2ooth = 0.
IF (hv201 = 96 | hv201 = 51) h2ooth = 1.
VAR LABELS h2ooth "if gets water from other".
VAL LABELS h2ooth 0 "no water from other"
        1 "water is from other".

*TOILET.

COMPUTE flpvts = 0.
IF (hv205 = 11 & hv225 = 0) flpvts = 1.
VAR LABELS flpvts "if uses pvt flush toilet to sewer".
VAL LABELS flpvts 0 "does not use pvt flush toilet"
        1 "uses pvt flush toilet".

COMPUTE flshrs = 0.
IF (hv205 = 11 & hv225 = 1) flshrs = 1.
VAR LABELS flshrs "if uses shared flush toilet to sewer".
VAL LABELS flshrs 0 "does not use shared flush toilet"
        1 "uses shared flush toilet".

COMPUTE flpvtsp = 0.
IF (hv205 = 12 & hv225 = 0) flpvtsp = 1.
VAR LABELS flpvtsp "if uses pvt flush toilet to septic".
VAL LABELS flpvtsp 0 "does not use pvt flush toilet"

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1 "uses pvt flush toilet".

COMPUTE flshrsp = 0.
IF (hv205 = 12 & hv225 = 1) flshrsp = 1.
VAR LABELS flshrsp "if uses shared flush toilet to septic".
VAL LABELS flshrsp 0 "does not use shared flush toilet"
1 "uses shared flush toilet".

COMPUTE flpvto = 0.
IF ((hv205 = 13 | hv205 = 14 | hv205 = 15) & hv225 = 0) flpvto =
1.
VAR LABELS flpvto "if uses pvt flush toilet to other".
VAL LABELS flpvto 0 "does not use pvt flush toilet"
1 "uses pvt flush toilet".

COMPUTE flshro = 0.
IF ((hv205 = 13 | hv205 = 14 | hv205 = 15) & hv225 = 1) flshro =
1.
VAR LABELS flshro "if uses shared flush toilet to other".
VAL LABELS flshro 0 "does not use shared flush toilet"
1 "uses shared flush toilet".

COMPUTE vipvpt = 0.
IF (hv205 = 21 & hv225 = 0) vipvpt = 1.
VAR LABELS vipvpt "if uses pvt vip latrine".
VAL LABELS vipvpt 0 "does not use pvt vip latrine"
1 "uses pvt vip latrine".

COMPUTE vipshr = 0.
IF (hv205 = 21 & hv225 = 1) vipshr = 1.
VAR LABELS vipshr "if uses shared vip latrine".
VAL LABELS vipshr 0 "does not use shared vip latrine"
1 "uses shared vip latrine".

COMPUTE latpvtsl = 0.
IF (hv205 = 22 & hv225 = 0) latpvtsl = 1.
VAR LABELS latpvtsl "if uses pvt trad latrine w slab".
VAL LABELS latpvtsl 0 "does not use pvt trad latrine"
1 "uses pvt trad latrine".

COMPUTE latshrs1 = 0.
IF (hv205 = 22 & hv225 = 1) latshrs1 = 1.
VAR LABELS latshrs1 "if uses shared trad latrine w slab".
VAL LABELS latshrs1 0 "does not use shared trad latrine"
1 "uses shared trad latrine".

COMPUTE latpvt = 0.
IF (hv205 = 23 & hv225 = 0) latpvt = 1.
VAR LABELS latpvt "if uses pvt trad latrine w slab".
VAL LABELS latpvt 0 "does not use pvt trad latrine"
1 "uses pvt trad latrine".

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COMPUTE latshr = 0.
IF (hv205 = 23 & hv225 = 1) latshr = 1.
VAR LABELS latshr "if uses shared trad latrine w slab".
VAL LABELS latshr    0 "does not use shared trad latrine"
                    1 "uses shared trad latrine".
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COMPUTE latbush = 0.
IF (hv205 = 31) latbush = 1.
VAR LABELS latbush "if uses bush for latrine".
VAL LABELS latbush    0 "does not use bush for latrine"
                    1 "uses bush for latrine".
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COMPUTE latpvt = 0.
IF (hv205 = 23 & hv225 = 0) latpvt = 1.
VAR LABELS latpvt "if uses pvt trad latrine w slab".
VAL LABELS latpvt    0 "does not use pvt trad latrine"
                    1 "uses pvt trad latrine".
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```
COMPUTE latshr = 0.
IF (hv205 = 23 & hv225 = 1) latshr = 1.
VAR LABELS latshr "if uses shared trad latrine w slab".
VAL LABELS latshr    0 "does not use shared trad latrine"
                    1 "uses shared trad latrine".
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COMPUTE hangpvt = 0.
IF (hv205 = 43 & hv225 = 0) hangpvt = 1.
VAR LABELS hangpvt "if uses pvt hanging trad latrine".
VAL LABELS hangpvt    0 "does not use hang pvt trad latrine"
                    1 "uses hang pvt trad latrine".
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COMPUTE hangshr = 0.
IF (hv205 = 43 & hv225 = 1) hangshr = 1.
VAR LABELS hangshr "if uses shared hang latrine w slab".
VAL LABELS hangshr    0 "does not use shared hang latrine"
                    1 "uses shared hang latrine".
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COMPUTE latoth = 0.
IF (hv205 = 41 | hv205 = 96) latoth = 1.
VAR LABELS latoth "if uses other latrine (+21 cases bucket)".
VAL LABELS latoth    0 "does not use other latrine"
                    1 "uses other latrine".
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\* FLOORING.

```
COMPUTE dirtfloo = 0.
IF (hv213 = 11) dirtfloo = 1.
VAR LABELS dirtfloo "if floors are made of earth".
VAL LABELS dirtfloo    0 "floors are not made of earth"
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        1 "floors are made of earth".

COMPUTE woodfloo = 0.
IF (hv213 = 21) woodfloo = 1.
VAR LABELS woodfloo "if floors are made of wood planks".
VAL LABELS woodfloo  0 "floors are not made of wood planks"
                    1 "floors are made of wood planks".

COMPUTE vinfloo = 0.
IF (hv213 = 32) vinfloo = 1.
VAR LABELS vinfloo "if floors are made of vinyl, asphalt strips".
VAL LABELS vinfloo  0 "floors are not made of vinyl, asphalt
strips"
                    1 "floors are made of vinyl, asphalt strips".

COMPUTE tilefloo = 0.
IF (hv213 = 31 | hv213 = 33 | hv213 = 35) tilefloo = 1.
VAR LABELS tilefloo "if floors are made of ceramic/wood tile".
VAL LABELS tilefloo  0 "floors are not made of ceramic/wood
tile"
                    1 "floors are made of ceramic/wood tile".

COMPUTE centfloo = 0.
IF (hv213 = 34 | hv213 = 96) centfloo = 1.
VAR LABELS centfloo "if floors are made of cement (+6 other)".
VAL LABELS centfloo  0 "floors are not made of cement"
                    1 "floors are made of cement".

* WALLS.

COMPUTE earthw = 0.
IF (hv214 = 11) earthw = 1.
VAR LABELS earthw "if walls are made of mud and sticks".
VAL LABELS earthw  0 "walls are not made of earth"
                    1 "walls are made of earth".

COMPUTE greenw = 0.
IF (hv214 = 12 | hv214 = 13) greenw = 1.
VAR LABELS greenw "if walls are made of straw/cane".
VAL LABELS greenw  0 "walls are not made of straw/cane"
                    1 "walls are made of straw/cane".

COMPUTE mudblkw = 0.
IF (hv214 = 21) mudblkw = 1.
VAR LABELS mudblkw "if walls are made of mud blocks".
VAL LABELS mudblkw  0 "walls are not made of mud blocks"
                    1 "walls are made of mud blocks".

COMPUTE brickw = 0.

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IF (hv214 = 32) brickw = 1.
VAR LABELS brickw "if walls are made of brick".
VAL LABELS brickw      0 "walls are not made of brick"
                    1 "walls are made of brick".

COMPUTE cmtblkw = 0.
IF (hv214 = 31) cmtblkw = 1.
VAR LABELS cmtblkw "if walls are made of cement blocks".
VAL LABELS cmtblkw      0 "walls are not made of cement blocks"
                    1 "walls are made of cement blocks".

COMPUTE etcw = 0.
IF (hv214 = 22 | hv214 = 23 | hv214 = 24 | hv214 = 33 | hv214 =
96) etcw = 1.
VAR LABELS etcw "if walls are made of various recycled
materials".
VAL LABELS etcw 0 "walls are not made of various recycled
materials"
                1 "walls are made of various recycled materials".

* ROOF.

COMPUTE strawr = 0.
IF (hv215 = 11 | hv215 = 21 | hv215 = 22 | hv215 = 32) strawr =
1.
VAR LABELS strawr "if roof is made of natural materials".
VAL LABELS strawr      0 "roof is not made of natural materials"
                    1 "roof is made of natural materials".

COMPUTE metalr = 0.
IF (hv215 = 31 | hv215 = 96) metalr = 1.
VAR LABELS metalr "if roof is made of metal (corrugate iron)".
VAL LABELS metalr      0 "roof is not made of metal"
                    1 "roof is made of metal".

COMPUTE asbestor = 0.
IF (hv215 = 36) asbestor = 1.
VAR LABELS asbestor "if roof is made of asbestos".
VAL LABELS asbestor      0 "roof is not made of asbestos"
                    1 "roof is made of asbestos".

COMPUTE cemtr = 0.
IF (hv215 = 34 | hv215 = 35) cemtr = 1.
VAR LABELS cemtr "if roof is made of cement".
VAL LABELS cemtr 0 "roof is not made of cement/tile"
                1 "roof are made of cement".

COMPUTE tarpr = 0.
IF (hv215 = 23) tarpr = 1.

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VAR LABELS tarpr "if roof is made of tarp".
VAL LABELS tarpr 0 "roof is not made of tarp"
                1 "roof are made of tarp".
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\* COOKING FUEL - omitted due to lack of variation.

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* If kitchen is separate room.
COMPUTE kitchen = 0.
IF (hv242 = 1) kitchen = 1.
VAR LABELS kitchen "if has separate room for kitchen in hh".
VAL LABELS kitchen 0 "no separate kitchen"
                1 "has separate room for kitchen".
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COMPUTE memsleep = (hv012/hv216).
IF (MISSING(hv216)) hv216 = hv012.
VARIABLE LABELS memsleep "number of members per sleeping room".
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EXECUTE.

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*replace missing w don't 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.
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IF (MISSING(hv243a)) hv243a = 0.
IF (MISSING(hv243b)) hv243b = 0.
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IF (MISSING(hv246b)) hv246b = 0.
IF (MISSING(hv246d)) hv246d = 0.
IF (MISSING(hv246e)) hv246e = 0.
IF (MISSING(hv246f)) hv246f = 0.
IF (MISSING(hv246g)) hv246g = 0.
IF (MISSING(hv247)) hv247 = 0.
IF (MISSING(sh111b)) sh111b = 0.
IF (MISSING(sh111f)) sh111f = 0.
IF (MISSING(sh111g)) sh111g = 0.
IF (MISSING(sh111h)) sh111h = 0.
IF (MISSING(sh111i)) sh111i = 0.
IF (MISSING(sh111j)) sh111j = 0.
IF (MISSING(sh111l)) sh111l = 0.
IF (MISSING(sh119e)) sh119e = 0.
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EXECUTE.

FREQ hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv243a hv243b  
hv246b hv246d  
hv246e hv246f hv246g hv247 sh111b sh111f sh111g sh111h sh111i  
sh111j sh111l sh119e h2opipe  
h2oyard h2opub h2otube h2ppvwel h2pydwel h2spring h2osurf  
h2otruck h2ocart h2ooth flpvts flshrs  
flpvtsp flshrsp flpvto flshro vipvpt vipshr latpvtsl latshrs  
latpvt latshr latbush hangpvt hangshr latoth  
dirtfloo woodfloo vinfloo tilefloo cemtfloo earthw greenw mudblkw  
brickw cmtblkw etcw strawr metalr  
asbestor cemtr tarpr kitchen memsleep.

FACTOR

/VARIABLES hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv243a  
hv243b hv246b hv246d  
hv246e hv246f hv246g hv247 sh111b sh111f sh111g sh111h sh111i  
sh111j sh111l sh119e h2opipe  
h2oyard h2opub h2otube h2ppvwel h2pydwel h2spring h2osurf  
h2otruck h2ooth flpvts flshrs  
flpvtsp flshrsp flpvto flshro vipvpt latpvtsl latshrs  
latpvt  
latshr latbush hangpvt hangshr latoth  
dirtfloo woodfloo vinfloo tilefloo cemtfloo earthw greenw mudblkw  
brickw cmtblkw etcw strawr metalr  
asbestor cemtr tarpr kitchen memsleep vipshr  
/MISSING MEANSUB /ANALYSIS hv206 hv207 hv208 hv209 hv210 hv211  
hv212 hv243a hv243b hv246b hv246d  
hv246e hv246f hv246g hv247 sh111b sh111f sh111g sh111h sh111i  
sh111j sh111l sh119e h2opipe  
h2oyard h2opub h2otube h2ppvwel h2pydwel h2spring h2osurf  
h2otruck h2ooth flpvts flshrs  
flpvtsp flshrsp flpvto flshro vipvpt latpvtsl latshrs  
latpvt  
latshr latbush hangpvt hangshr latoth  
dirtfloo woodfloo vinfloo tilefloo cemtfloo earthw greenw mudblkw  
brickw cmtblkw etcw strawr metalr  
asbestor cemtr tarpr kitchen memsleep vipshr  
/PRINT UNIVARIATE INITIAL EXTRACTION FSCORE  
/CRITERIA FACTORS(1) ITERATE(25)  
/EXTRACTION PC  
/ROTATION NOROTATE  
/SAVE REG(ALL)  
/METHOD=CORRELATION .

\* h2ocart : rm due to non-pos-def matrix.



```

save outfile="C:\Documents and Settings\Kiersten.B.Johnson
\Desktop\lbwindex\lbassets.sav".
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 -0.8201317897136=1) (-0.8201317897136 thru
-0.3682827296307=2) (-0.3682827296307 thru
0.2970477713344=3) (0.2970477713344 thru 1.052912429303=4)
(1.052912429303 thru Highest=5) INTO
wlthind5 .
VARIABLE LABELS wlthind5 'Wealth Index Quintiles'.
EXECUTE .

write outfile="C:\Documents and Settings\Kiersten.B.Johnson
\Desktop\lbwindex\lbscores.dat" records=1 table
/hhid fac1_1 wlthind5.
execute.

MEANS
TABLES=hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv243a hv243b
hv246b hv246d
hv246e hv246f hv246g hv247 sh111b sh111f sh111g sh111h sh111i
sh111j sh111l sh119e h2opipe
h2oyard h2opub h2otube h2ppvwel h2pydwel h2spring h2osurf
h2otruck h2ocart h2ooth flpvts flshrs
flpvtsp flshrsp flpvto flshro vippvvt vipshr latpvtsl latshrs1
latpvt latshr latbush hangpvt hangshr latoth
dirtfloo woodfloo vinfloo tilefloo cemtfloo earthw greenw mudblkw
brickw cmtblkw etcw strawr metalr
asbestor cemtr tarpr kitchen memsleep
BY
wlthind5
/CELLS MEAN .

FREQ wlthind5.
weight off.
FREQ wlthind5.

weight by hhmemwt.

```

MEANS

```
TABLES= hv009 BY wlthind5  
/CELLS MEAN COUNT STDDEV  
/STATISTICS ANOVA .
```