DATA LIST FILE='c:\hnp2\kazak99\ASSETS.DAT' RECORDS=1 
/ 
   HHID        1-12   (A)
   HV005      13-20
   HV012      21-22
   HV013      23-24
   HV201      25-26
   HV202      27-28
   HV203      29-29
   HV204      30-32
   HV205      33-34
   HV206      35-35
   HV207      36-36
   HV208      37-37
   HV209      38-38
   HV210      39-39
   HV211      40-40
   HV212      41-41
   HV213      42-43
   HV214      44-45
   HV215      46-47
   HV216      48-49
   HV217      50-50
   HV218      51-52
   HV219      53-53
   HV220      54-55
   HV221      56-56
   HV222      57-58
   SHELIGM    59-59
   SHWAAT     60-60
   SHMAT      61-61
   SH24       62-62
   SH26       63-64
   SH33       65-65
   SH34A      66-66
   SH34B      67-67
   SH34C      68-68
   SH34D      69-69
   SH34E      70-70
   SH35       71-71
   SH36       72-72
   SH37       73-73
   HV024      74-75
   HV025      76-76
   HV026      77-77
   DOMESTIC   78-78
   OWNLAND    79-79
.
VARIABLE LABELS 
   HHID     "Case Identification"
   /HV005    "Sample weight"
   /HV012    "Number of de jure members"
"Number of de facto members"
"Source of drinking water"
"Source of non-drinking water"
"Same source of water"
"Time to get to water source"
"Type of toilet facility"
"Has electricity"
"Has radio"
"Has television"
"Has refrigerator"
"Has bicycle"
"Has motorcycle"
"Has car"
"Main floor material"
"Main wall material"
"Main roof material"
"Rooms for sleeping"
"Relationship structure"
"Line number of head of household"
"Sex of head of household"
"Age of head of household"
"Has telephone"
"Type of salt used for cooking"
"Is household eligible for male interview"
"Is hh eligible for women's anthropometry and anemia testing"
"Is hh eligible for men's anemia testing"
"Share toilet with other households"
"Type of Fuel"
"Place for hand washing"
"Observation: water/tap available in hh"
"Observation: soap/ash available in hh"
"Observation: basin available in hh"
"Type of package of salt"
"Solt iodized or not iodized"
"Type of salt used for cooking"
"HH owns a dacha"
"HH owns animals"
"Region"
"Type of place of residence"
"Place of residence"
"If HH has a domestic worker not related to head"
"If household works own or family's agric. land"

MISSING VALUE
HV201  (99)
HV202  (99)
HV203  (9)
HV204  (999)
HV205  (99)
HV206  (9)
HV207  (9)
VALUE LABELS

HV201
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"
24 "Open water"
51 "Tanker truck"
61 "Bottled water"
96 "Other"

HV204
996 "On premises"

HV205
10 "FLUSH TOILET"
11 "Flush toilet"
20 "PIT TOILET LATRINE"
21 "Pit toilet/latrine"
30 "NO FACILITY"
31 "No facility"
96 "OTHER"

HV206
0 "No"
1 "Yes"

HV207
0 "No"
1 "Yes"

/HV208
0 "No"
1 "Yes"

/HV209
0 "No"
1 "Yes"

/HV210
0 "No"
1 "Yes"

/HV211
0 "No"
1 "Yes"

/HV212
0 "No"
1 "Yes"

/HV213
10 "NATURAL"
20 "RUDIMENTARY"
30 "FINISHED"
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"

/HV221
0 "No"
1 "Yes"

/HV222
0 "No salt available"
1 "Local salt"
2 "Pkgd salt-iodized"
3 "Pkgd salt-noniodized"
4 "Salt for animals"
5 "Loose salt"
96 "Other"

/SHELIGM
0 "No"
1 "Yes"

/SHWAAT
0 "No"
1 "Yes"
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>&quot;No&quot;</td>
</tr>
<tr>
<td>1</td>
<td>&quot;Yes&quot;</td>
</tr>
<tr>
<td>2</td>
<td>&quot;Electricity&quot;</td>
</tr>
<tr>
<td>3</td>
<td>&quot;LPG/Natural Gas&quot;</td>
</tr>
<tr>
<td>4</td>
<td>&quot;Biogas&quot;</td>
</tr>
<tr>
<td>5</td>
<td>&quot;Kerosene&quot;</td>
</tr>
<tr>
<td>6</td>
<td>&quot;Coal/Lignite&quot;</td>
</tr>
<tr>
<td>7</td>
<td>&quot;Charcoal&quot;</td>
</tr>
<tr>
<td>8</td>
<td>&quot;Firewood/Straw&quot;</td>
</tr>
<tr>
<td>9</td>
<td>&quot;Tezek&quot;</td>
</tr>
<tr>
<td>10</td>
<td>&quot;Other&quot;</td>
</tr>
<tr>
<td>11</td>
<td>&quot;No&quot;</td>
</tr>
<tr>
<td>12</td>
<td>&quot;Yes&quot;</td>
</tr>
<tr>
<td>13</td>
<td>&quot;No&quot;</td>
</tr>
<tr>
<td>14</td>
<td>&quot;Yes&quot;</td>
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<tr>
<td>15</td>
<td>&quot;No&quot;</td>
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<td>16</td>
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<td>18</td>
<td>&quot;Yes&quot;</td>
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<tr>
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<td>&quot;No&quot;</td>
</tr>
<tr>
<td>20</td>
<td>&quot;Yes&quot;</td>
</tr>
<tr>
<td>21</td>
<td>&quot;No&quot;</td>
</tr>
<tr>
<td>22</td>
<td>&quot;Yes&quot;</td>
</tr>
<tr>
<td>23</td>
<td>&quot;Plastic&quot;</td>
</tr>
<tr>
<td>24</td>
<td>&quot;Paper&quot;</td>
</tr>
<tr>
<td>25</td>
<td>&quot;No Package&quot;</td>
</tr>
<tr>
<td>26</td>
<td>&quot;No solt at home&quot;</td>
</tr>
<tr>
<td>27</td>
<td>&quot;Iodized&quot;</td>
</tr>
<tr>
<td>28</td>
<td>&quot;Not iodized&quot;</td>
</tr>
<tr>
<td>29</td>
<td>&quot;No sign&quot;</td>
</tr>
<tr>
<td>30</td>
<td>&quot;0 PPM (No Iodine)&quot;</td>
</tr>
<tr>
<td>31</td>
<td>&quot;7 PPM&quot;</td>
</tr>
<tr>
<td>32</td>
<td>&quot;15 PPM&quot;</td>
</tr>
<tr>
<td>33</td>
<td>&quot;30 PPM&quot;</td>
</tr>
<tr>
<td>34</td>
<td>&quot;75 PPM&quot;</td>
</tr>
<tr>
<td>35</td>
<td>&quot;Other&quot;</td>
</tr>
<tr>
<td>36</td>
<td>&quot;No&quot;</td>
</tr>
<tr>
<td>37</td>
<td>&quot;Yes&quot;</td>
</tr>
<tr>
<td>38</td>
<td>&quot;Other&quot;</td>
</tr>
</tbody>
</table>
1 "Almaty city"
2 "South region"
3 "West region"
4 "Central region"
5 "North region"
6 "East region"

/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(SH36) OR SH36=6) SH36=0.
IF (MISSING(SH37) OR SH37=6) SH37=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 h2oOwres=0.
if (hv201=21) h2oOwres=1.
compute h2oOwyrd=0.
if (hv201=22) h2oOwyrd=1.
compute h2oOwpub=0.
if (hv201=23) h2oOwpub=1.
compute h2osurf=0.
if (hv201=24) h2osurf=1.
compute h2otruck=0.
if (hv201=51) h2otruck=1.
compute h2obottl=0.
if (hv201=61) 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)"
/H2Oowres "if has an open well in residence"
/H2Oowyrd "if has an open well in yard/plot"
/H2Oowpub "if has an open public well"
/H2OSURF "if uses river, canal or surface water for drinking"
/H2OTRUCK "if gets drinking water from tanker truck"
/H2OBOTTL "if uses bottled water"
/H2OOTH   "Other source of drinking water"
.

VALUE LABELS
H2OIRES  1 "piped drinking water in residence"
/H2Oores  1 "uses water that is piped into yard/plot"
/H2OpiPUB 1 "uses a public faucet (piped)"
/H2Oowres 1 "has an open well in residence"
/H2Oowyrd 1 "has an open well in yard/plot"
/H2Oowpub 1 "has an open public well"
/H2OSURF  1 "uses river, canal or surface water for drinking"
/H2OTRUCK 1 "gets drinking water from tanker truck"
/H2OBOTTL 1 "uses bottled water"
/H2OOTH   1 "Other source of drinking water"
.

*  {Toilet facility} .
compute flush=0.
if (hv205=11 & sh24=0)  flush=1.
compute latpit=0.
if (hv205=21 & sh24=0) latpit=1.
compute sflush=0.
if (hv205=11 & sh24=1) sflush=1.
compute slatpit=0.
if (hv205=21 & sh24=1) slatpit=1.
compute latbush=0.
if (hv205=31) latbush=1.
compute latoth=0.
if (hv205=96) latoth=1.

VARIABLE LABELS
Flush    "if uses own flush toilet"
/LATPIT   "if uses a pit latrine"
/sFlush   "if uses a shared flush toilet"
/sLATPIT  "if uses a shared pit latrine"
/LATBUSH  "if uses bush, field as latrine"
/LATOTH   "if other type of latrine"
VALUE LABELS
Flush  1 "uses own flush toilet"
/LATPIT 1 "uses a pit latrine"
/sFlush 1 "uses shared flush toilet"
/sLATPIT 1 "uses a shared pit latrine"
/LATBUSH 1 "uses bush, field as latrine"
/LATOTH 1 "other type of latrine"
.

* {Flooring}.
compute dirtfloo=0.
if (hv213=11) dirtfloo=1.
compute woodfloo=0.
if (hv213=21) woodfloo=1.
compute parqfloo=0.
if (hv213=31) parqfloo=1.
compute vinlfloo=0.
if (hv213=32) vinlfloo=1.
compute cemtfloo=0.
if (hv213=34) cemtfloo=1.
compute rugfloo=0.
if (hv213=35) rugfloo=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"
/CEMTFLOO "if has cement principal floor"
/PARQFLOO "if has parquet or polished wood floors"
/VINLFLOO "if has linoleum as flooring material"
/rugfloo "if has carpet for principal floor"
/OTHFLOO "if has other type of flooring"
.
VALUE LABELS
DIRTFLOO 1 "has dirt, sand, dung as principal floor in dwelling"
/WOODFLOO 1 "has wood, plank principal floor in dwelling"
/CEMTFLOO 1 "has cement principal floor"
/PARQFLOO 1 "has parquet or polished wood floors"
/VINLFLOO 1 "has linoleum as flooring material"
/rugfloo 1 "has carpet for principal floor"
/OTHFLOO 1 "has other type of flooring"
.

* {Cooking fuel}.
compute cookelec =0.
if (sh26=1) cookelec =1.
compute cookgas =0.
if (sh26=2) cookgas =1.
compute cookbio =0.
if (sh26=3) cookbio =1.
compute cookkero =0.
if (sh26=4) cookkero =1.
compute cookcoal =0.
if (sh26=5) cookcoal =1.
compute cookchar =0.
if (sh26=6) cookchar =1.
compute cookwood =0.
if (sh26=7) cookwood =1.
compute cookdung =0.
if (sh26=8) cookdung =1.
compute cookoth =0.
if (sh26=96) cookoth =1.

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

FACTOR
/VARIABLES hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv221 sh36 sh37
ownland h2oires h2oores h2opipub h2owres h2owyrd h2owpub h2osurf h2otruck
h2obott1 h2ooth flush latpit sflush slatpit latbush latoth
dirtflool woodflool 
parqflool vinlflool cemtflool rugflool othflool cookelec cookgas
cookbio cookkero 
cookcoal cookchar cookwood cookdung cookoth 
/MISSING MEANSUB
/ANALYSIS
hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv221 sh36 sh37 ownland
compute fac1_1=-fac1_1.
save outfile="c:\hnp2\kazak99\assets.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 .

RANK
VARIABLES = fac1_1
/NTILES(5) INTO wthind5
/PRINT = NO
/TIES = MEAN .
VARIABLE LABELS wthind5 'Wealth Index Quintiles'.
VALUE LABELS
wthind5 1 "Lowest" 2 "Second" 3 "Middle" 4 "Fourth" 5 "Highest".

weight off.
do if (missing(wthind5)).
recode fac1_1 (lo thru -1.3964516894181669=1)(-1.3964516894181669
 thru -1.1315626371443361=2)
(-1.1315626371443361 thru -0.533806204836998=3)
(-0.533806204836998 thru 0.6936141249712758=4)
(0.6936141249712758 thru hi=5) into wthind5.
end if.

write outfile='c:\hnp2\kazak99\scores.dat' records=1 table
/hhid fac1_1 wthind5.
execute.

MEANS
   TABLES=hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv221 sh36 sh37
       ownland h2oires h2oores h2opipub h2oowres h2oowyrd h2oowpub
       h2osurf h2otruck
       h2obottl h2ooth flush latpit sflush slatpit latbush latoth
       dirtfloo woodfloo
       parqfloo vinlfloo cemtfloo rugfloo othfloo cookelec cookgas
       cookbio cookkero
       cookcoal cookchar cookwood cookedung cookoth
   BY
       hv025 by wltind5
       /CELLS MEAN .

WEIGHT
   OFF.

DESCRIPTIVES
   VARIABLES=hv206 hv207 hv208 hv209 hv210 hv211 hv212 hv221 sh36 sh37
       ownland h2oires h2oores h2opipub h2oowres h2oowyrd h2oowpub
       h2osurf h2otruck
       h2obottl h2ooth flush latpit sflush slatpit latbush latoth
       dirtfloo woodfloo
       parqfloo vinlfloo cemtfloo rugfloo othfloo cookelec cookgas
       cookbio cookkero
       cookcoal cookchar cookwood cookedung cookoth
   /STATISTICS=MEAN STDDEV MIN MAX .

save outfile="c:\hnp2\kazak99\assets.sav"."