

DATA LIST FILE='C:\HNP2A\GABON 2012\EXPORTED' RECORDS=1

/

HV001	1-8
HV002	9-12
HV005	13-20
HV025	21-21
HV009	22-23
HV012	24-25
HV013	26-27
HV201	28-29
HV202	30-31
HV204	32-34
HV205	35-36
HV206	37-37
HV207	38-38
HV208	39-39
HV209	40-40
HV210	41-41
HV211	42-42
HV212	43-43
HV213	44-45
HV214	46-47
HV215	48-49
HV216	50-51
HV217	52-52
HV218	53-54
HV219	55-55
HV220	56-57
HV221	58-58
HV225	59-59
HV226	60-61
HV227	62-62
HV228	63-63
HV230A	64-64
HV230B	65-65
HV232	66-66
HV232B	67-67
HV232C	68-68
HV232D	69-69
HV232E	70-70
HV232Y	71-71
HV234	72-74
HV234A	75-75
HV235	76-76
HV236	77-77
HV237	78-78
HV237A	79-79
HV237B	80-80
HV237C	81-81
HV237D	82-82
HV237E	83-83
HV237F	84-84

HV237G	85-85
HV237H	86-86
HV237I	87-87
HV237J	88-88
HV237K	89-89
HV237X	90-90
HV237Z	91-91
HV238	92-93
HV239	94-94
HV240	95-95
HV241	96-96
HV242	97-97
HV243A	98-98
HV243B	99-99
HV243C	100-100
HV243D	101-101
HV244	102-102
HV245	103-105
HV246	106-106
HV246A	107-108
HV246B	109-110
HV246C	111-112
HV246D	113-114
HV246E	115-116
HV246F	117-118
HV246G	119-120
HV246H	121-122
HV246I	123-124
HV246J	125-126
HV246K	127-128
HV247	129-129
HV252	130-130
HV253	131-131
HV253A	132-132
HV253B	133-133
HV253C	134-134
HV253D	135-135
HV253E	136-136
HV253F	137-137
HV253G	138-138
HV253H	139-139
HV253X	140-140
HV253Z	141-141
HV270	142-142
HV271	143-150
HML1	151-152
HML1A	153-153
HML2	154-155
SHREGION	156-156
SH110B	157-157
SH110D	158-158
SH110E	159-159

SH110G	160-160
SH110H	161-161
SH110I	162-162
SH110K	163-163
SH110L	164-164
SH110M	165-165
SH110N	166-166
SH110O	167-167
SH110P	168-168
SH110Q	169-169
SH110R	170-170
SH110U	171-171
SH110V	172-172
SH110W	173-173
SH110X	174-174
SH110Y	175-175
SH110Z	176-176
SH110AA	177-177
SH118E	178-178
DOMESTIC	179-179
HOUSE	180-180
LAND	181-181

VARIABLE LABELS

HV001	"Cluster number"
/HV002	"Household number"
/HV005	"Household sample weight (6 decimals)"
/HV025	"Type of place of residence"
/HV009	"Number of household members"
/HV012	"Number of de jure members"
/HV013	"Number of de facto members"
/HV201	"Source of drinking water"
/HV202	"NA - Source of non-drinking water"
/HV204	"Time to get to water source (minutes)"
/HV205	"Type of toilet facility"
/HV206	"Has electricity"
/HV207	"Has radio"
/HV208	"Has television"
/HV209	"Has refrigerator"
/HV210	"Has bicycle"
/HV211	"Has motorcycle/scooter"
/HV212	"Has car/truck"
/HV213	"Main floor material"
/HV214	"Main wall material"
/HV215	"Main roof material"
/HV216	"Number of rooms used for sleeping"
/HV217	"Relationship structure"
/HV218	"Line number of head of household"
/HV219	"Sex of head of household"
/HV220	"Age of head of household"
/HV221	"Has telephone (land-line)"
/HV225	"Share toilet with other households"

/HV226 "Type of cooking fuel"
 /HV227 "Has mosquito bed net for sleeping"
 /HV228 "Children under 5 slept under mosquito bed net last
 night"
 /HV230A "NA - Place where household members wash their hands"
 /HV230B "NA - Presence of water at hand washing place"
 /HV232 "NA - Items present: Soap or detergent"
 /HV232B "NA - Items present: Ash, mud, sand"
 /HV232C "NA - Items present: CS"
 /HV232D "NA - Items present: CS"
 /HV232E "NA - Items present: CS"
 /HV232Y "NA - Items present: None"
 /HV234 "NA - Result of salt test for iodine (PPM)"
 /HV234A "Result of salt test for iodine"
 /HV235 "NA - Location of source for water"
 /HV236 "NA - Person fetching water"
 /HV237 "Anything done to water to make safe to drink"
 /HV237A "Water usually treated by: boil"
 /HV237B "Water usually treated by: add bleach/chlorine"
 /HV237C "Water usually treated by: strain through a cloth"
 /HV237D "Water usually treated by: use water filter"
 /HV237E "Water usually treated by: solar disinfection"
 /HV237F "Water usually treated by: let it stand and settle"
 /HV237G "NA - Water usually treated by: CS"
 /HV237H "NA - Water usually treated by: CS"
 /HV237I "NA - Water usually treated by: CS"
 /HV237J "NA - Water usually treated by: CS"
 /HV237K "NA - Water usually treated by: CS"
 /HV237X "Water usually treated by: other"
 /HV237Z "Water usually treated by: don't know"
 /HV238 "Number of households sharing toilet"
 /HV239 "NA - Food cooked on stove or open fire"
 /HV240 "NA - Household has a chimney, hood or neither"
 /HV241 "Food cooked in the house/ separate building/
 outdoors"
 /HV242 "Household has separate room used as kitchen"
 /HV243A "Has mobile telephone"
 /HV243B "Has watch"
 /HV243C "NA - Has animal-drawn cart"
 /HV243D "Has boat with a motor"
 /HV244 "Owns land usable for agriculture"
 /HV245 "NA - Hectares of agricultural land (1 decimal)"
 /HV246 "Owns livestock, herds or farm animals"
 /HV246A "NA - Owns cattle"
 /HV246B "Owns cows/ bulls"
 /HV246C "NA - Owns horses/ donkeys/ mules"
 /HV246D "Owns goats"
 /HV246E "Owns sheep"
 /HV246F "Owns chickens"
 /HV246G "Owns pigs"
 /HV246H "Owns CS"
 /HV246I "Owns CS"

/HV246J "NA - Owns CS"
 /HV246K "NA - Owns CS"
 /HV247 "Has bank account"
 /HV252 "Frequency household members smoke inside the house"
 /HV253 "Has dwelling been sprayed against mosquitoes in last
 12 months"
 /HV253A "Dwelling sprayed by: government worker/program"
 /HV253B "Dwelling sprayed by: private company"
 /HV253C "Dwelling sprayed by: NGO"
 /HV253D "NA - Dwelling sprayed by: CS"
 /HV253E "NA - Dwelling sprayed by: CS"
 /HV253F "NA - Dwelling sprayed by: CS"
 /HV253G "NA - Dwelling sprayed by: CS"
 /HV253H "NA - Dwelling sprayed by: CS"
 /HV253X "Dwelling sprayed by: other"
 /HV253Z "Dwelling sprayed by: don't know"
 /HV270 "Wealth index"
 /HV271 "Wealth index factor score (5 decimals)"
 /HML1 "Number of mosquito bed nets"
 /HML1A "Number of mosquito bed nets with specific
 information"
 /HML2 "Number of children under mosquito bed net previous
 night"
 /SHREGION "Region of residence"
 /SH110B "Has chain saw"
 /SH110D "Has iron"
 /SH110E "Has generator"
 /SH110G "Has HIFI"
 /SH110H "Has video recorder"
 /SH110I "Has DVD/VCD reader"
 /SH110K "Has freezer"
 /SH110L "Has hunting gun"
 /SH110M "Has fishing net"
 /SH110N "Has stove (gas, electric)"
 /SH110O "Has gas stove"
 /SH110P "Has has Fan"
 /SH110Q "Has brushcutter"
 /SH110R "Has sewing machine"
 /SH110U "Has computer"
 /SH110V "Has air conditioner"
 /SH110W "Has washing machine"
 /SH110X "Has antenna / decoder"
 /SH110Y "Has indigenous torch"
 /SH110Z "Has oil lamp"
 /SH110AA "Has gas lamp"
 /SH118E "Has boat without motor"
 /DOMESTIC "domestic"
 /HOUSE "house"
 /LAND "land"

.
 MISSING VALUE
 HV201 (99)

/HV202 (99)
/HV204 (999)
/HV205 (99)
/HV206 (9)
/HV207 (9)
/HV208 (9)
/HV209 (9)
/HV210 (9)
/HV211 (9)
/HV212 (9)
/HV213 (99)
/HV214 (99)
/HV215 (99)
/HV216 (99)
/HV219 (9)
/HV220 (99)
/HV221 (9)
/HV225 (9)
/HV226 (99)
/HV227 (9)
/HV228 (9)
/HV230A (9)
/HV230B (9)
/HV232 (9)
/HV232B (9)
/HV232C (9)
/HV232D (9)
/HV232E (9)
/HV232Y (9)
/HV234 (999)
/HV234A (9)
/HV235 (9)
/HV236 (9)
/HV237 (9)
/HV237A (9)
/HV237B (9)
/HV237C (9)
/HV237D (9)
/HV237E (9)
/HV237F (9)
/HV237G (9)
/HV237H (9)
/HV237I (9)
/HV237J (9)
/HV237K (9)
/HV237X (9)
/HV237Z (9)
/HV238 (99)
/HV239 (9)
/HV240 (9)
/HV241 (9)
/HV242 (9)

/HV243A (9)
/HV243B (9)
/HV243C (9)
/HV243D (9)
/HV244 (9)
/HV245 (999)
/HV246 (9)
/HV246A (99)
/HV246B (99)
/HV246C (99)
/HV246D (99)
/HV246E (99)
/HV246F (99)
/HV246G (99)
/HV246H (99)
/HV246I (99)
/HV246J (99)
/HV246K (99)
/HV247 (9)
/HV252 (9)
/HV253 (9)
/HV253A (9)
/HV253B (9)
/HV253C (9)
/HV253D (9)
/HV253E (9)
/HV253F (9)
/HV253G (9)
/HV253H (9)
/HV253X (9)
/HV253Z (9)
/HML1 (99)
/HML2 (99)
/SH110B (9)
/SH110D (9)
/SH110E (9)
/SH110G (9)
/SH110H (9)
/SH110I (9)
/SH110K (9)
/SH110L (9)
/SH110M (9)
/SH110N (9)
/SH110O (9)
/SH110P (9)
/SH110Q (9)
/SH110R (9)
/SH110U (9)
/SH110V (9)
/SH110W (9)
/SH110X (9)
/SH110Y (9)

/SH110Z (9)
/SH110AA (9)
/SH118E (9)

VALUE LABELS

HV025

- 1 "Urban"
- 2 "Rural"

/HV201

- 10 "PIPED WATER"
- 11 "Piped into dwelling"
- 12 "Piped to yard/plot"
- 13 "Public tap/standpipe"
- 20 "TUBE WELL WATER"
- 21 "Tube well or borehole"
- 30 "DUG WELL (OPEN/PROTECTED)"
- 31 "Protected well"
- 32 "Unprotected well"
- 40 "SURFACE WATER"
- 41 "Protected spring"
- 42 "Unprotected spring"
- 43 "River/dam/lake/ponds/stream/canal/irrigation channel"
- 51 "Rainwater"
- 61 "Tanker truck"
- 62 "Cart with small tank"
- 71 "Bottled water"
- 96 "Other"

/HV202

- 10 "PIPED WATER"
- 11 "Piped into dwelling"
- 12 "Piped to yard/plot"
- 13 "Public tap/standpipe"
- 20 "TUBE WELL WATER"
- 21 "Tube well or borehole"
- 30 "DUG WELL (OPEN/PROTECTED)"
- 31 "Protected well"
- 32 "Unprotected well"
- 40 "SURFACE WATER"
- 41 "Protected spring"
- 42 "Unprotected spring"
- 43 "River/dam/lake/ponds/stream/canal/irrigation channel"
- 51 "Rainwater"
- 61 "Tanker truck"
- 62 "Cart with small tank"
- 71 "Bottled water"
- 96 "Other"

/HV204

- 996 "On premises"
- 998 "Don't know"

/HV205

- 10 "FLUSH TOILET"
- 11 "Flush to piped sewer system"

20 "PIT TOILET LATRINE"
 21 "Ventilated Improved Pit latrine (VIP)"
 22 "Pit latrine with slab"
 23 "Pit latrine without slab/open pit"
 30 "NO FACILITY"
 31 "No facility/bush/field"
 41 "Composting toilet"
 42 "Bucket toilet"
 43 "Hanging toilet/latrine"
 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"
 11 "Earth, sand"
 20 "RUDIMENTARY"
 21 "Wood planks"
 30 "FINISHED"
 31 "Parquet / polished wood"
 32 "Lino/Gerflex"
 33 "Ceramic tiles"
 34 "Cement"
 35 "Carpet"
 96 "Other"
 /HV214
 10 "NATURAL"
 12 "Plastic / cardboard"
 20 "RUDIMENTARY"
 21 "Bark / straw / palm / bamboo"
 30 "FINISHED"
 31 "Dirt"
 32 "Mud bricks"
 41 "Metal"

42 "Planks"
 43 "Semi-hard (hard or other)"
 44 "Parpaing / cement"
 96 "Other"
 /HV215
 10 "NATURAL"
 20 "RUDIMENTARY"
 21 "Plastic / cardboard"
 22 "Bark / straw / palm / bamboo"
 30 "FINISHED"
 31 "Metal only"
 32 "Metal and ceiling"
 33 "Tiles / slates"
 34 "concrete"
 35 "Shingles"
 96 "Other"
 /HV217
 0 "No adults"
 1 "One adult"
 2 "Two adults, opposite sex"
 3 "Two adults, same sex"
 4 "Three+ related adults"
 5 "Unrelated adults"
 /HV219
 1 "Male"
 2 "Female"
 /HV220
 97 "97+ "
 98 "Don't know"
 /HV221
 0 "No"
 1 "Yes"
 /HV225
 0 "No"
 1 "Yes"
 /HV226
 1 "Electricity"
 2 "LPG"
 3 "Natural gas"
 4 "Biogas"
 5 "Kerosene"
 6 "Coal, lignite"
 7 "Charcoal"
 8 "Wood"
 9 "Straw/shrubs/grass"
 10 "Agricultural crop"
 11 "Animal dung"
 12 "Sawdust / wood chips"
 95 "No food cooked in house"
 96 "Other"
 /HV227
 0 "No"

1 "Yes"
 /HV228
 0 "No"
 1 "All children"
 2 "Some children"
 3 "No net in household"
 /HV230A
 1 "Observed"
 2 "Not observed: not in dwelling"
 3 "Not observed: no permission to see"
 4 "Not observed: other reason"
 /HV230B
 0 "Water not available"
 1 "Water is available"
 /HV232
 0 "No"
 1 "Yes"
 /HV232B
 0 "No"
 1 "Yes"
 /HV232C
 0 "No"
 1 "Yes"
 /HV232D
 0 "No"
 1 "Yes"
 /HV232E
 0 "No"
 1 "Yes"
 /HV232Y
 0 "No"
 1 "Yes: no cleansing agent observed"
 /HV234
 0 "0 PPM (no iodine)"
 7 "Below 15 PPM"
 15 "15 PPM and above"
 30 "30 PPM"
 994 "Salt not tested"
 995 "No salt in household"
 /HV234A
 0 "No iodine"
 1 "Iodine present"
 3 "No salt in household"
 6 "Salt not tested"
 /HV235
 1 "In own dwelling"
 2 "In own yard/plot"
 3 "Elsewhere"
 /HV236
 1 "Adult woman"
 2 "Adult man"
 3 "Female child under 15 years old"

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4 "Male child under 15 years old"
6 "Other"
/HV237
0 "No"
1 "Yes"
8 "Don't know"
/HV237A
0 "No"
1 "Yes"
8 "Don't know"
/HV237B
0 "No"
1 "Yes"
8 "Don't know"
/HV237C
0 "No"
1 "Yes"
8 "Don't know"
/HV237D
0 "No"
1 "Yes"
8 "Don't know"
/HV237E
0 "No"
1 "Yes"
8 "Don't know"
/HV237F
0 "No"
1 "Yes"
8 "Don't know"
/HV237G
0 "No"
1 "Yes"
8 "Don't know"
/HV237H
0 "No"
1 "Yes"
8 "Don't know"
/HV237I
0 "No"
1 "Yes"
8 "Don't know"
/HV237J
0 "No"
1 "Yes"
8 "Don't know"
/HV237K
0 "No"
1 "Yes"
8 "Don't know"
/HV237X
0 "No"
```

1 "Yes"
 8 "Don't know"
 /HV237Z
 0 "No"
 1 "Yes: don't know what is done to water"
 8 "Don't know"
 /HV238
 95 "10 or more households"
 98 "Don't know"
 /HV239
 1 "Open fire"
 2 "Open stove"
 3 "Closed stove with chimney"
 6 "Other"
 /HV240
 0 "Neither chimney or hood"
 1 "Chimney"
 2 "Hood"
 /HV241
 1 "In the house"
 2 "In a separate building"
 3 "Outdoors"
 6 "Other"
 /HV242
 0 "No"
 1 "Yes"
 /HV243A
 0 "No"
 1 "Yes"
 /HV243B
 0 "No"
 1 "Yes"
 /HV243C
 0 "No"
 1 "Yes"
 /HV243D
 0 "No"
 1 "Yes"
 /HV244
 0 "No"
 1 "Yes"
 /HV245
 950 "95 or more"
 998 "Unknown"
 /HV246
 0 "No"
 1 "Yes"
 /HV246A
 0 "None"
 95 "95 or more"
 98 "Unknown"
 /HV246B

0 "None"
95 "95 or more"
98 "Unknown"
/HV246C
0 "None"
95 "95 or more"
98 "Unknown"
/HV246D
0 "None"
95 "95 or more"
98 "Unknown"
/HV246E
0 "None"
95 "95 or more"
98 "Unknown"
/HV246F
0 "None"
95 "95 or more"
98 "Unknown"
/HV246G
0 "None"
95 "95 or more"
98 "Unknown"
/HV246H
0 "None"
95 "95 or more"
98 "Unknown"
/HV246I
0 "None"
95 "95 or more"
98 "Unknown"
/HV246J
0 "None"
95 "95 or more"
98 "Unknown"
/HV246K
0 "None"
95 "95 or more"
98 "Unknown"
/HV247
0 "No"
1 "Yes"
/HV252
0 "Never"
1 "Daily"
2 "Weekly"
3 "Monthly"
4 "Less than monthly"
/HV253
0 "No"
1 "Yes"
8 "Don't know"

/HV253A
 0 "No"
 1 "Yes"
 8 "Don't know"
 /HV253B
 0 "No"
 1 "Yes"
 8 "Don't know"
 /HV253C
 0 "No"
 1 "Yes"
 8 "Don't know"
 /HV253D
 0 "No"
 1 "Yes"
 8 "Don't know"
 /HV253E
 0 "No"
 1 "Yes"
 8 "Don't know"
 /HV253F
 0 "No"
 1 "Yes"
 8 "Don't know"
 /HV253G
 0 "No"
 1 "Yes"
 8 "Don't know"
 /HV253H
 0 "No"
 1 "Yes"
 8 "Don't know"
 /HV253X
 0 "No"
 1 "Yes"
 8 "Don't know"
 /HV253Z
 0 "No"
 1 "Yes: don't know who sprayed the dwelling"
 8 "Don't know if it was sprayed"
 /HV270
 1 "Poorest"
 2 "Poorer"
 3 "Middle"
 4 "Richer"
 5 "Richest"
 /HML1
 98 "Don't know"
 /SHREGION
 1 "Nord (Ogoué-Ivindo, Woleu-Ntem)"
 2 "Est (Ogoué-Lolo, Haut-Ogoué)"
 3 "Ouest (Estuaire sans Port-Gentil, Moyen-Ogoué, Ogoué-

Maritime sans Libreville))"
4 "Sud (Ngounié, Nyanga)"
5 "Libreville/Port-Gentil"
/SH110B
0 "No"
1 "Yes"
/SH110D
0 "No"
1 "Yes"
/SH110E
0 "No"
1 "Yes"
/SH110G
0 "No"
1 "Yes"
/SH110H
0 "No"
1 "Yes"
/SH110I
0 "No"
1 "Yes"
/SH110K
0 "No"
1 "Yes"
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1 "Yes"
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1 "Yes"
/SH110P
0 "No"
1 "Yes"
/SH110Q
0 "No"
1 "Yes"
/SH110R
0 "No"
1 "Yes"
/SH110U
0 "No"
1 "Yes"
/SH110V
0 "No"
1 "Yes"
/SH110W


```

    0 "No"
    1 "Yes"
/SH110X
    0 "No"
    1 "Yes"
/SH110Y
    0 "No"
    1 "Yes"
/SH110Z
    0 "No"
    1 "Yes"
/SH110AA
    0 "No"
    1 "Yes"
/SH118E
    0 "No"
    1 "Yes"
.
EXECUTE.
*{Construct Variables}.

*{Members per sleeping room}.
if (hv012=0) hv012=hv013.
if (hv216>0) memsleep=trunc(hv012/hv216).
if (hv216=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 (hv201=11) h2oires=1.
var labels h2oires "Piped into dwelling".
compute h2oyrd=0.
if (hv201=12) h2oyrd=1.
var labels h2oyrd "Piped into yard/plot".
compute h2opub=0.
if (hv201=13) h2opub=1.
var labels h2opub "Communal tap".

compute h2obore=0.
if (hv201=21) h2obore=1.
var labels h2obore "Borehole/tube well".

compute h2opwel=0.
if (hv201=31) h2opwel=1.
var labels h2opwel "Protected well".
compute h2iowel=0.
if (hv201=32) h2iowel=1.

```

```

var labels h2iowel "Unprotected well".

compute h2opspg=0.
if (hv201=41) h2opspg=1.
var labels h2opspg "Protected spring".
compute h2ouspg=0.
if (hv201=42) h2ouspg=1.
var labels h2ouspg "Unprotected spring".
compute h2osurf=0.
if (hv201>=43 and hv201<=46) h2osurf=1.
var labels h2osurf "Surface water-river, lake, dam, etc.".
compute h2orain=0.
if (hv201=51) h2orain=1.
var labels h2orain "Water from rain".
compute h2otruck=0.
if (hv201=61) h2otruck=1.
var labels h2otruck "Water from tanker truck".
compute h2ovend=0.
if (hv201=62) h2ovend=1.
var labels h2ovend "Water from vendor cart with small tank".
compute h2obot=0.
if (hv201=71) h2obot=1.
var labels h2obot "Bottled water".

compute h2ooth=0.
if (hv201=96) h2ooth=1.
var labels h2ooth "Other water source".

*{Toilet facility}.
compute flushs=0.
if (hv205=11) flushs=1.
var labels flushs "Flush or pour flush toilet".

compute latvip=0.
if (hv205=21) latvip=1.
var labels latvip "VIP latrine".

compute latpits=0.
if (hv205=22) latpits=1.
var labels latpits "Pit latrine with slab".
compute latpit=0.
if (hv205=23) latpit=1.
var labels latpit "Uncovered pit latrine with no slab".

compute latcomp=0.
if (hv205=41) latcomp=1.
var labels latcomp 'Composting toilet/ecosan'.
compute latpail=0.
if (hv205=42) latpail=1.
var labels latpail 'Bucket toilet'.
compute lathang=0.

```

```

if (hv205=43) lathang=1.
var labels lathang 'Hanging toilet'.

compute latbush=0.
if (hv205=31) latbush=1.
var labels latbush "No facility/bush/field".
compute latoth=0.
if (hv205=96) latoth=1.
var labels latoth 'Other type of latrine/toilet'.

compute latshare=0.
if (hv225=1) latshare=1.
var labels latshare 'Shares latrine/toilet with other
households'.

compute sflushs=0.
var labels Sflushs "Shared Flush toilet".
compute slatvip=0.
var labels slatvip "Shared VIP latrine".
compute slatpits=0.
var labels slatpits "Shared Pit latrine with slab".
compute slatpit=0.
var labels slatpit "Shared Traditional pit latrine".
compute slatcomp=0.
var labels slatcomp "Shared composting latrine".
compute slathang=0.
var labels slathang "Shared hanging latrine".
compute slatoth=0.
var labels slatoth 'Other type of latrine/toilet'.

do if (latshare=1).
  if (hv205=11) sflushs=1.
  if (hv205=21) slatvip=1.
  if (hv205=22) slatpits=1.
  if (hv205=24) slatpit=1.
  if (hv205=31) slatcomp=1.
  if (hv205=51) slathang=1.
  if (hv205=96) slatoth=1.
end if.

*{Flooring}.
compute dirtfloo=0.
if (hv213=11) dirtfloo=1.
var labels dirtfloo "Earth, sand, dung floor".
compute rudfloo=0.
if (hv213=21) rudfloo=1.
var labels rudfloo "Wood planks rudimentary floor".
compute prqfloo=0.
if (hv213=31) prqfloo=1.
var labels prqfloo "Polished wood floor".
compute linofloo=0.

```

```

if (hv213=32) linofloo=1.
var labels linofloo "Lino/Gerflex floor".
compute tilefloo=0.
if (hv213=33) tilefloo=1.
var labels tilefloo "Ceramic tile floor".
compute centfloo=0.
if (hv213=34) centfloo=1.
var labels centfloo "Cement floor".
compute rugfloo=0.
if (hv213=35) rugfloo=1.
var labels rugfloo "Carpet floor".
compute othfloo=0.
if (hv213=96) othfloo=1.
var labels othfloo "Other type of flooring".

*{Walls}.
compute natwall=0.
if (hv214=21 or hv214=31) natwall=1.
var labels natwall "Grass/thatch/mud walls".
compute rudwall=0.
if (hv214=12) rudwall=1.
var labels rudwall "Plastic/cardboard walls".
compute adobwall=0.
if (hv214=32) adobwall=1.
var labels adobwall "Mud brick walls".
compute metwall=0.
if (hv214=41) metwall=1.
var labels metwall "Metal walls".
compute woodwall=0.
if (hv214=42) woodwall=1.
var labels woodwall "Planks walls".
compute shardwall=0.
if (hv214=43) shardwall=1.
var labels shardwall "Semi-hard (hard or other)".
compute cmtwall=0.
if (hv214=44) cmtwall=1.
var labels cmtwall "Parpaing/Cement walls".
compute othwall=0.
if (hv214=96) othwall=1.
var labels othwall "Other type of walls".

*{Roofing}.
compute natroof=0.
if (hv215=10 or hv215=22) natroof=1.
var labels natroof "Bark, straw, palm bamboo roof".
compute rudroof=0.
if (hv215=20 or hv215=21) rudroof=1.
var labels rudroof "Rudimentary or plastic/cardboard roof".

compute tinroof=0.
if (hv215=31) tinroof=1.
var labels tinroof "Tin roof without ceiling".

```

```

compute tincroof=0.
if (hv215=32) tincroof=1.
var labels tincroof "Tin roof with ceiling".
compute tileroof=0.
if (hv215=33) tileroof=1.
var labels tileroof "Tile roof".
compute cmtroof=0.
if (hv215=34) cmtroof=1.
var labels cmtroof "Cement (concrete) roof".
compute shnglroof=0.
if (hv215=35) shnglroof=1.
var labels shnglroof "Shingles roof".
compute othroof=0.
if (hv215=96) othroof=1.
var labels othroof "Other type of roof".

*{Cooking Fuel}.
compute cookelec=0.
if (hv226=1) cookelec=1.
var labels cookelec "Electricity for cooking".
compute cookgas=0.
if (hv226=2 or hv225=3) cookgas=1.
var labels cookgas "LPG, natural gas for cooking".
compute cookbio=0.
if (hv226=4) cookbio=1.
var labels cookbio "Biogas for cooking".
compute cookkero=0.
if (hv226=5) cookkero=1.
var labels cookkero "Kerosene for cooking".
compute cookcoal=0.
if (hv226=6) cookcoal=1.
var labels cookcoal "Coal/lignite for cooking".
compute cookchar=0.
if (hv226=7) cookchar=1.
var labels cookchar "Charcoal for cooking".
compute cookwood=0.
if (hv226=8) cookwood=1.
var labels cookwood "Wood for cooking".
compute cookstraw=0.
if (hv226=9) cookstraw=1.
var labels cookstraw "Straw, shrubs, grass for cooking".
compute cookcrop=0.
if (hv226=10) cookcrop=1.
var labels cookcrop "Agric. residue for cooking".
compute cookdung=0.
if (hv226=11) cookdung=1.
var labels cookdung "Dung for cooking".
compute cookchips=0.
if (hv226=12) cookchips=1.
var labels cookchips "Sawdust, wood chips for cooking".
compute cooknone=0.
if (hv226=95) cooknone=1.

```

```

var labels cooknone 'Does not cook'.
compute cookoth=0.
if (hv226=96) cookoth=1.
var labels cookoth "Other fuel for cooking".

*{Reset missing values to "does not have", change 2 code to 0}.
if (hv206<>1) hv206=0.
if (hv207<>1) hv207=0.
if (hv208<>1) hv208=0.
if (hv209<>1) hv209=0.
if (hv210<>1) hv210=0.
if (hv211<>1) hv211=0.
if (hv212<>1) hv212=0.

if (hv243a<>1) hv243a=0.
if (hv243b<>1) hv243b=0.
if (hv243c<>1) hv243c=0.
if (hv243d<>1) hv243d=0.
if (hv247<>1) hv247=0.

* Country-specific items.
if (sh110b<>1) sh110b=0.
if (sh110d<>1) sh110d=0.
if (sh110e<>1) sh110e=0.
if (sh110g<>1) sh110g=0.
if (sh110h<>1) sh110h=0.
if (sh110i<>1) sh110i=0.
if (sh110j<>1) sh110j=0.
if (sh110k<>1) sh110k=0.
if (sh110l<>1) sh110l=0.
if (sh110m<>1) sh110m=0.
if (sh110n<>1) sh110n=0.
if (sh110o<>1) sh110o=0.
if (sh110p<>1) sh110p=0.
if (sh110q<>1) sh110q=0.
if (sh110r<>1) sh110r=0.
if (sh110u<>1) sh110u=0.
if (sh110v<>1) sh110v=0.
if (sh110w<>1) sh110w=0.
if (sh110x>1) sh110x=0.
if (sh110y>1) sh110y=0.
if (sh110z<>1) sh110z=0.
if (sh110aa<>1) sh110aa=0.

if (sh118e<>1) sh118e=0.

* Farmland.
if (hv244=0) hv245=0.

```

```

*set out of range codes to unknown-missing.
if (hv245>950) hv245=999.
missing values hv245(999).

*Farm animals.
if (hv246=0) hv246b=0
if (hv246=0) hv246d=0.
if (hv246=0) hv246e=0.
if (hv246=0) hv246f=0.
if (hv246=0) hv246g=0.
if (hv246=0) hv246h=0.
if (hv246=0) hv246i=0.

execute.

weight off.

FREQUENCIES VARIABLES=HV025 HV201 HV205 HV206 HV207 HV208 HV209
HV210 HV211 HV212 HV213 HV214 HV215
    HV216 HV221 HV225 HV226 HV243A HV243B HV243D HV244 HV245
HV246 HV246B HV246D
    HV246E HV246F HV246G HV246H HV246I HV247 SH110B SH110D SH110E
SH110G SH110H SH110I SH110K SH110L
    SH110M SH110N SH110O SH110P SH110Q SH110R SH110U SH110V
SH110W SH110X SH110Y SH110Z SH110AA SH118E DOMESTIC HOUSE LAND
/ORDER=ANALYSIS.
FREQUENCIES VARIABLES=memsleep h2oires h2oyrd h2opub h2opwel
h2iowel
    h2osurf h2orain h2otruck h2obot h2ooth flushs latvip latpits
latpit lathang
    latbush latoth latshare sflushs slatvip slatpits slatoth
dirtfloo rudfloo
    prqfloo linofloo tilefloo cemtffloo rugfloo othfloo natwall
rudwall adobwall metwall woodwall
    shardwall cmtwall othwall natroof rudroof tinroof tincroof
tileroof cmtroof
    othroof cookelec cookgas cookkero cookchar cookwood
    cookchips cooknone cookoth
/ORDER=ANALYSIS.

save outfile="C:\HNP2A\gabon 2012\gadhs2012.sav".

*****.
** Do factor analysis to check on valid variables.

FACTOR
/VARIABLES HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV221
HV243A HV243B HV243D

```

```

HV244 HV246 HV246B HV246D
HV246E HV246F HV246G HV246H HV246I HV247 SH110B SH110D SH110E
SH110G SH110H SH110I SH110K SH110L
SH110M SH110N SH110O SH110P SH110Q SH110R SH110U SH110V
SH110W SH110X SH110Y SH110Z SH110AA SH118E
DOMESTIC HOUSE LAND
memsleep h2oires h2oyrd h2opub h2opwel h2iowel
h2osurf h2orain h2otruck h2obot h2ooth flushs latvip latpits
latpit lathang
latbush latoth latshare sflushs slatvip slatpits slatoth
dirtfloo rudfloo
prgfloo linofloo tilefloo cemtfloo rugfloo othfloo natwall
rudwall adobwall metwall woodwall
shardwall cmtwall othwall natroof rudroof tinroof tincroof
tileroof cmtroof
othroof cookelec cookgas cookkero cookchar cookwood
cookchips cooknone cookoth
/MISSING MEANSUB
/ANALYSIS HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV221
HV243A HV243B HV243D
HV244 HV246 HV246B HV246D
HV246E HV246F HV246G HV246H HV246I HV247 SH110B SH110D SH110E
SH110G SH110H SH110I SH110K SH110L
SH110M SH110N SH110O SH110P SH110Q SH110R SH110U SH110V
SH110W SH110X SH110Y SH110Z SH110AA SH118E
DOMESTIC HOUSE LAND
memsleep h2oires h2oyrd h2opub h2opwel h2iowel
h2osurf h2orain h2otruck h2obot h2ooth flushs latvip latpits
latpit lathang
latbush latoth latshare sflushs slatvip slatpits slatoth
dirtfloo rudfloo
prgfloo linofloo tilefloo cemtfloo rugfloo othfloo natwall
rudwall adobwall metwall woodwall
shardwall cmtwall othwall natroof rudroof tinroof tincroof
tileroof cmtroof
othroof cookelec cookgas cookkero cookchar cookwood
cookchips cooknone cookoth
/PRINT UNIVARIATE EXTRACTION
/CRITERIA FACTORS(1) ITERATE(25)
/EXTRACTION PC
/ROTATION NOROTATE
/METHOD=CORRELATION.

```

** Common factor analysis.

```

FACTOR
/VARIABLES HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV221
HV243A HV243B HV243D
HV247 SH110B SH110D SH110E SH110G SH110H SH110I SH110K
SH110L
SH110M SH110N SH110O SH110P SH110Q SH110R SH110U SH110V
SH110W SH110X SH110Y SH110Z SH110AA SH118E

```



```

DOMESTIC HOUSE
  memsleep h2oires h2oyrd h2opub h2opwel h2iowel
    h2osurf h2orain h2otruck h2obot h2ooth flushs latvip latpits
latpit lathang
  latbush latoth latshare sflushs slatvip slatpits slatoth
dirtfloo rudfloo
  prqfloo linofloo tilefloo cemtfloo rugfloo othfloo natwall
rudwall adobwall metwall woodwall
  shardwall cmtwall othwall natroof rudroof tinroof tincroof
tileroof cmtroof
  othroof cookelec cookgas cookkero cookchar cookwood
  cookchips cooknone cookoth
/MISSING MEANSUB
/ANALYSIS HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV221
HV243A HV243B HV243D
  HV247 SH110B SH110D SH110E SH110G SH110H SH110I SH110K
SH110L
  SH110M SH110N SH110O SH110P SH110Q SH110R SH110U SH110V
SH110W SH110X SH110Y SH110Z SH110AA SH118E
DOMESTIC HOUSE
  memsleep h2oires h2oyrd h2opub h2opwel h2iowel
    h2osurf h2orain h2otruck h2obot h2ooth flushs latvip latpits
latpit lathang
  latbush latoth latshare sflushs slatvip slatpits slatoth
dirtfloo rudfloo
  prqfloo linofloo tilefloo cemtfloo rugfloo othfloo natwall
rudwall adobwall metwall woodwall
  shardwall cmtwall othwall natroof rudroof tinroof tincroof
tileroof cmtroof
  othroof cookelec cookgas cookkero cookchar cookwood
  cookchips cooknone cookoth
/PRINT UNIVARIATE INITIAL EXTRACTION FSCORE
/CRITERIA FACTORS(1) ITERATE(25)
/EXTRACTION PC
/ROTATION NOROTATE
/SAVE REG(ALL com)
/METHOD=CORRELATION.

```

** 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.

```

```

FACTOR

```

```

/VARIABLES HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV221
HV243A HV243B HV243D
  HV244 HV246 HV246B HV246D
  HV246E HV246F HV246G HV246H HV246I HV247 SH110B SH110D SH110E
SH110G SH110H SH110I SH110K SH110L
  SH110M SH110N SH110O SH110P SH110Q SH110R SH110U SH110V
SH110W SH110X SH110Y SH110Z SH110AA SH118E
  DOMESTIC HOUSE LAND
  memsleep h2oires h2oyrd h2opub h2opwel h2iowel
  h2osurf h2orain h2otruck h2obot h2ooth flushs latvip latpits
latpit lathang
  latbush latoth latshare sflushs slatvip slatpits slatoth
dirtfloo rudfloo
  prqfloo linofloo tilefloo cemtfloo rugfloo natwall rudwall
adobwall metwall woodwall
  shardwall cmtwall othwall natroof rudroof tinroof tincroof
tileroof cmtroof
  othroof cookelec cookgas cookkero cookchar cookwood
  cookchips cooknone cookoth
/MISSING MEANSUB
/ANALYSIS HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV221
HV243A HV243B HV243D
  HV244 HV246 HV246B HV246D
  HV246E HV246F HV246G HV246H HV246I HV247 SH110B SH110D SH110E
SH110G SH110H SH110I SH110K SH110L
  SH110M SH110N SH110O SH110P SH110Q SH110R SH110U SH110V
SH110W SH110X SH110Y SH110Z SH110AA SH118E
  DOMESTIC HOUSE LAND
  memsleep h2oires h2oyrd h2opub h2opwel h2iowel
  h2osurf h2orain h2otruck h2obot h2ooth flushs latvip latpits
latpit lathang
  latbush latoth latshare sflushs slatvip slatpits slatoth
dirtfloo rudfloo
  prqfloo linofloo tilefloo cemtfloo rugfloo natwall rudwall
adobwall metwall woodwall
  shardwall cmtwall othwall natroof rudroof tinroof tincroof
tileroof cmtroof
  othroof cookelec cookgas cookkero cookchar cookwood
  cookchips cooknone cookoth
/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 .
```

```
FACTOR
```

```
/VARIABLES HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV221
HV243A HV243B HV243D
HV244 HV246 HV246B HV246D
HV246E HV246F HV246G HV246H HV246I HV247 SH110B SH110D SH110E
SH110G SH110H SH110I SH110K SH110L
SH110M SH110N SH110O SH110P SH110Q SH110R SH110U SH110V
SH110W SH110X SH110Y SH110Z SH110AA SH118E
DOMESTIC HOUSE LAND
memsleep h2oires h2oyrd h2opub h2opwel h2iowel
h2osurf h2orain h2otruck h2obot h2ooth flushs latvip latpits
latpit lathang
latbush latoth latshare sflushs slatvip slatpits slatoth
dirtfloo rudfloo
prqfloo linofloo tilefloo cemtfloo rugfloo othfloo natwall
rudwall adobwall metwall woodwall
shardwall cmtwall othwall natroof rudroof tinroof tincroof
cmtroof
othroof cookelec cookgas cookkero cookchar cookwood
cookchips cooknone cookoth
/MISSING MEANSUB
/ANALYSIS HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV221
HV243A HV243B HV243D
HV244 HV246 HV246B HV246D
HV246E HV246F HV246G HV246H HV246I HV247 SH110B SH110D SH110E
SH110G SH110H SH110I SH110K SH110L
SH110M SH110N SH110O SH110P SH110Q SH110R SH110U SH110V
SH110W SH110X SH110Y SH110Z SH110AA SH118E
DOMESTIC HOUSE LAND
memsleep h2oires h2oyrd h2opub h2opwel h2iowel
h2osurf h2orain h2otruck h2obot h2ooth flushs latvip latpits
latpit lathang
latbush latoth latshare sflushs slatvip slatpits slatoth
dirtfloo rudfloo
prqfloo linofloo tilefloo cemtfloo rugfloo othfloo natwall
rudwall adobwall metwall woodwall
shardwall cmtwall othwall natroof rudroof tinroof tincroof
cmtroof
othroof cookelec cookgas cookkero cookchar cookwood
cookchips cooknone cookoth
/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 com1
  /METHOD=ENTER URB1 .

*   Rural areas.
USE ALL.
COMPUTE filter_$=(hv025 = 2).
VARIABLE LABEL filter_$ 'v025 = 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.
** Urban.
if (hv025 eq 1) combscor=0.580+0.787* URB1.
** Rural.
if (hv025 eq 2) combscor=(-0.704)+0.730* RUR1.
execute.

```

```

*Calculate quintiles and scores for data file.

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

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.

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

** Rural areas.
USE ALL.
COMPUTE filter_$(hv025 = 2).
VARIABLE LABEL filter_$ 'hv025 = 1 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMAT filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE .
RANK
  VARIABLES=rurl (A) /RANK /NTILES (5) /PRINT=YES
  /TIES=MEAN .

compute hhwt=hv005/1000000.
weight by hhwt.
VARIABLE LABELS hhwt 'HH weights' .
MEANS
  TABLES= HV206 HV207 HV208 HV209 HV210 HV211 HV212 HV221 HV243A
  HV243B HV243D

```

```

HV244 HV246 HV246B HV246D
HV246E HV246F HV246G HV246H HV246I HV247 SH110B SH110D SH110E
SH110G SH110H SH110I SH110K SH110L
SH110M SH110N SH110O SH110P SH110Q SH110R SH110U SH110V
SH110W SH110X SH110Y SH110Z SH110AA SH118E
DOMESTIC HOUSE LAND
memsleep h2oires h2oyrd h2opub h2opwel h2iowel
h2osurf h2orain h2otruck h2obot h2ooth flushs latvip latpits
latpit lathang
latbush latoth latshare sflushs slatvip slatpits slatoth
dirtfloo rudfloo
prqfloo linofloo tilefloo cemtffloo rugfloo othfloo natwall
rudwall adobwall metwall woodwall
shardwall cmtwall othwall natroof rudroof tinroof tincroof
tileroof cmtroof
othroof cookelec cookgas cookkero cookchar cookwood
cookchips cooknone cookoth
BY ncombsco
/CELLS MEAN COUNT STDDEV .

compute hv271=combscor.
compute hv270=ncombsco.

save outfile="C:\HNP2A\gabon 2012\gadhs2012.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 Gabon DHS
2012'.
FREQUENCIES
VARIABLES=combscor /FORMAT=NOTABLE
/NTILES= 5
/STATISTICS=STDDEV MINIMUM MAXIMUM SEMEAN MEAN MEDIAN MODE
SKEWNESS SESKEW
KURTOSIS SEKURT
/ORDER= ANALYSIS .

**** set output formats.
formats combscor, urb1, rur1 (f11.5).

weight off.
WRITE OUTFILE='C:\HNP2A\Gabon 2012\gadhs12scores.dat'

```

```
TABLE
/hv001 hv002 combscor ncombsco urbl nurbl rur1 nrur1 .
EXECUTE.
```

```
***** .
```