

* PURPOSE: To compute Wealth Index for Equatorial Guinea 2011
DATE: June 2012.
DATA LIST FILE='C:\USERS\DOCUMENTS\WEALTHINDEX\EK-
2012-CALCS\EK-EXPORT' RECORDS=1

/

QHCLUST	1-3
QHNUMBER	4-5
QHTYPE	6-6
HV009	7-9
HV012	10-12
HV013	13-15
HOUSE	16-16
QHWHEIGHT	17-24
QH101A	25-25
QH101B	26-31
QH101C	32-37
QH102	38-39
QH102A	40-41
QH103	42-42
QH104	43-45
QH104A	46-46
QH105	47-47
QH106	48-54
QH107	55-56
QH108	57-57
QH109	58-59
QH110A	60-60
QH110B	61-61
QH110C	62-62
QH110D	63-63
QH110E	64-64
QH110F	65-65
QH110G	66-66
QH110H	67-67
QH110I	68-68
QH110J	69-69
QH110K	70-70
QH110L	71-71
QH110M	72-72
QH110N	73-73
QH110O	74-74
QH110P	75-75
QH110Q	76-76
QH110R	77-77
QH110S	78-78
QH111	79-80
QH111A	81-82
QH114	83-84
QH115	85-86
QH116	87-88
QH117	89-90

(A)

QH118A	91-91	
QH118B	92-92	
QH118C	93-93	
QH118D	94-94	
QH118E	95-95	
QH118F	96-96	
QH118G	97-97	
QH118H	98-98	
QH118AA	99-99	
QH118BA	100-101	
QH118BB	102-103	
QH119	104-104	
QH120	105-108	(1)
QH121	109-109	
QH122A	110-111	
QH122B	112-113	
QH122C	114-115	
QH122D	116-117	
QH122E	118-119	
QH122F	120-121	
QH122G	122-123	
QH122H	124-125	
QH123	126-126	
QH123A	127-127	
QH124	128-128	
QH124A	129-130	
QH125	131-134	(A)
QH125A	135-135	
QH125B	136-136	
QH125C	137-137	
QH126	138-138	
QH127	139-139	
QH127A	140-140	
QH127B	141-141	
QH127C	142-142	
QH127D	143-148	(A)
QH137	149-149	
QH138	150-150	
QH139	151-153	(A)
QH140	154-154	
QHMEMBER	155-156	

VARIABLE LABELS

QHCLUST	"Cluster number"
/QHNUMBER	"Household number"
/QHTYPE	"Type of place of residence"
/HV009	"Number of household members"
/HV012	"Number of de jure members"
/HV013	"Number of de facto members"
/HOUSE	"Owns a dwelling"
/QHWHEIGHT	"Household weight (6 decimals)"
/QH101A	"Esta vivienda es propia, alquilada, cedida o la

habitan bajo otra condición"
 /QH101B "Cuánto pagan mensualmente por el alquiler de la
 vivienda"
 /QH101C "Si usted tuviera que alquilar esta vivienda, cuánto
 cree que le pagarían de alquiler por mes"
 /QH102 "Source of drinking water"
 /QH102A "Cuál es la fuente principal de abastecimiento de agua
 para otros usos en el hogar, que no sea para beber"
 /QH103 "Location of source for water"
 /QH104 "Time to water and back (mins)"
 /QH104A "Quien va habitualmente a esta fuente de
 aprovisionamiento de agua para vuestro hogar"
 /QH105 "Do anything to water to make safe to drink"
 /QH106 "What do you usually do to make water safe to drink"
 /QH107 "Type of toilet facility"
 /QH108 "Share facilities with other households"
 /QH109 "Number of households sharing toilet"
 /QH110A "Electricity"
 /QH110B "Radio"
 /QH110C "Televisor en blanco y negro"
 /QH110D "Televisor a color"
 /QH110E "Video (VHS, DVD)"
 /QH110F "Canales"
 /QH110G "Mobile telephone"
 /QH110H "Telephone (non-mobile)"
 /QH110I "Refrigerator"
 /QH110J "Ventilador"
 /QH110K "Hornillo/cocina de gas/eléctrica"
 /QH110L "Horno de microondas"
 /QH110M "hogar mejorado"
 /QH110N "Lavadora de ropa"
 /QH110O "Calendador de agua"
 /QH110P "Aire acondicionado"
 /QH110Q "Computadora"
 /QH110R "Servicio (conexión) de Internet"
 /QH110S "Cisterna"
 /QH111 "Type of cooking fuel"
 /QH111A "Que fuente de alumbrado utiliza vuestro hogar
 principalmente"
 /QH114 "Main material of floor"
 /QH115 "Main roof material"
 /QH116 "Main wall material"
 /QH117 "Number of rooms used for sleeping"
 /QH118A "Watch"
 /QH118B "Bicycle"
 /QH118C "Motorcycle or Scooter"
 /QH118D "Animal-drawn cart"
 /QH118E "Coche personal"
 /QH118F "Car or Truck"
 /QH118G "Boat with a motor"
 /QH118H "Un cayuco"
 /QH118AA "Alguna(s) de las personas que residían en este hogar

vive(n) actualmente en otro país"
/QH118BA "Cuántas miembros del hogar, incluyendo niños (as)
viven fuera del país"
/QH118BB "Cuántos varones y cuántas hembras"
/QH119 "Own land usable for agriculture"
/QH120 "Hectares for agricultural land"
/QH121 "Livestock, herds or farm animals"
/QH122A "Cattle"
/QH122B "Cows / bulls"
/QH122C "Horses / donkeys / mules"
/QH122D "Cerdos"
/QH122E "Chivos, cabras u ovejas"
/QH122F "Gallinas, pollos o gallos"
/QH122G "Patos, pavos o gansos"
/QH122H "Perros y gatos"
/QH123 "Bank account"
/QH123A "Alguna vez alguien ha fumado en vuestra casa"
/QH124 "Interior walls sprayed against insecticide in past 12
months"
/QH124A "Para cuántos meses dura esta fumigación del interior
de los muros de su casa"
/QH125 "Dwelling sprayed by government, private company or
NGO"
/QH125A "Desde que las paredes de su casa han sido fumigadas,
han sido retocadas?"
/QH125B "Las ventanas de las habitaciones están dotadas de
telas metálicas para dificultar la entrada de mosquitos"
/QH125C "Las puertas de las habitaciones están dotadas de
telas metálicas o cortinas para dificultar la entrada de los
mosquitos"
/QH126 "Mosquito nets used while sleeping"
/QH127 "Number of mosquito nets"
/QH127A "Utiliza usted telas mosquiteras fuera de las
habitaciones"
/QH127B "Los miembros de su hogar duermen bajo una tela
mosquitera de manera continua todo el año"
/QH127C "Por qué los miembros de su hogar no duermen bajo
telas mosquiteras de manera continua todo el año"
/QH127D "Por qué no hay telas mosquiteras que puedan ser
utilizadas en su hogar"
/QH137 "Place for handwashing observed"
/QH138 "Presence of water observed"
/QH139 "Presence of soap, detergent or other cleansing agent
observed"
/QH140 "Test salt for Iodine"
/QHMEMBER "Total members in household"

MISSING VALUE

QH101A (9)
/QH101B (999999)
/QH101C (999999)
/QH102 (99)

/QH102A (99)
/QH103 (9)
/QH104 (999)
/QH104A (9)
/QH105 (9)
/QH107 (99)
/QH108 (9)
/QH109 (99)
/QH110A (9)
/QH110B (9)
/QH110C (9)
/QH110D (9)
/QH110E (9)
/QH110F (9)
/QH110G (9)
/QH110H (9)
/QH110I (9)
/QH110J (9)
/QH110K (9)
/QH110L (9)
/QH110M (9)
/QH110N (9)
/QH110O (9)
/QH110P (9)
/QH110Q (9)
/QH110R (9)
/QH110S (9)
/QH111 (99)
/QH111A (99)
/QH114 (99)
/QH115 (99)
/QH116 (99)
/QH117 (99)
/QH118A (9)
/QH118B (9)
/QH118C (9)
/QH118D (9)
/QH118E (9)
/QH118F (9)
/QH118G (9)
/QH118H (9)
/QH118AA (9)
/QH118BA (99)
/QH118BB (99)
/QH119 (9)
/QH120 (100)
/QH121 (9)
/QH122A (99)
/QH122B (99)
/QH122C (99)
/QH122D (99)
/QH122E (99)

/QH122F (99)
 /QH122G (99)
 /QH122H (99)
 /QH123 (9)
 /QH123A (9)
 /QH124 (9)
 /QH124A (99)
 /QH125A (9)
 /QH125B (9)
 /QH125C (9)
 /QH126 (9)
 /QH127 (9)
 /QH127A (9)
 /QH127B (9)
 /QH127C (9)
 /QH137 (9)
 /QH138 (9)
 /QH140 (9)

.
 VALUE LABELS

QHTYPE
 1 "Urban"
 2 "Rural"
 /QH101A
 1 "ALQUILADA"
 2 "PROPIA"
 3 "PROPIA, TOTALMENTE PAGADA"
 4 "PROPIA , PAGANDOSE"
 5 "CEDIDA O PRESTADA"
 6 "OTRA FORMA DE TENENCIA"
 /QH101B
 999995 "MAS DE UN 1 MILLON"
 999998 "NO SABE"
 /QH101C
 999995 "MAS DE UN 1 MILLON"
 999998 "NO SABE"
 /QH102
 11 "Piped - into dwelling"
 12 "Piped - into yard/plot"
 13 "Piped - public tap / standpipe"
 21 "POZO CON GRIFO"
 31 "Dug well - protected"
 32 "Dug well - unprotected"
 41 "Spring - protected"
 42 "Spring - unprotected"
 51 "Rainwater"
 61 "Tanker truck"
 71 "Cart with small tank"
 81 "Surface water
 (river/dam/lake/pond/stream/canal/irrigation channel"
 91 "Bottled water"
 96 "Other"

/QH102A

- 11 "Piped - into dwelling"
- 12 "Piped - into yard/plot"
- 13 "Piped - public tap / standpipe"
- 21 "POZO CON GRIFO"
- 31 "Dug well - protected"
- 32 "Dug well - unprotected"
- 41 "Spring - protected"
- 42 "Spring - unprotected"
- 51 "Rainwater"
- 61 "Tanker truck"
- 71 "Cart with small tank"
- 81 "Surface water
(river/dam/lake/pond/stream/canal/irrigation channel)"
- 91 "Bottled water"
- 96 "Other"

/QH103

- 1 "In own dwelling"
- 2 "In own yard/plot"
- 3 "Elsewhere"

/QH104

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

/QH104A

- 1 "MUJER ADULTA (15 AÑOS O MAS)"
- 2 "HOMBRE ADULTO (15 AÑOS O MAS)"
- 3 "NIÑA (MENOR DE 15 AÑOS)"
- 4 "NIÑO (MENOR DE 15 AÑOS)"
- 8 "NO SABE"

/QH105

- 1 "Yes"
- 2 "No"
- 8 "Don't know"

/QH106

- 'A ' "Boil"
- 'B ' "Add bleach/chlorine"
- 'C ' "Strain through a cloth"
- 'D ' "Use water filter (ceramic/sand/composite/etc.)"
- 'E ' "Solar disinfection"
- 'F ' "Let it stand and settle"
- 'X ' "Other"
- 'Z ' "Don't know"

/QH107

- 11 "Flush - to piped sewer system"
- 12 "Flush - to septic tank"
- 13 "Flush - to pit latrine"
- 14 "Flush - to somewhere else"
- 15 "Flush - don't know where"
- 21 "Pit latrine - ventilated improved pit (VIP)"
- 22 "Pit latrine - with slab"
- 23 "Pit latrine - without slab / open pit"
- 31 "Composting toilet"

41 "Bucket toilet"
51 "Hanging toilet / hanging latrine"
61 "No facility/bush/field"
96 "Other"
/QH108
1 "Yes"
2 "No"
/QH109
95 "10 or more households"
98 "Don't know"
/QH110A
1 "Yes"
2 "No"
/QH110B
1 "Yes"
2 "No"
/QH110C
1 "Yes"
2 "No"
/QH110D
1 "Yes"
2 "No"
/QH110E
1 "Yes"
2 "No"
/QH110F
1 "Yes"
2 "No"
/QH110G
1 "Yes"
2 "No"
/QH110H
1 "Yes"
2 "No"
/QH110I
1 "Yes"
2 "No"
/QH110J
1 "Yes"
2 "No"
/QH110K
1 "Yes"
2 "No"
/QH110L
1 "Yes"
2 "No"
/QH110M
1 "Yes"
2 "No"
/QH110N
1 "Yes"
2 "No"

/QH1100
 1 "Yes"
 2 "No"
 /QH110P
 1 "Yes"
 2 "No"
 /QH110Q
 1 "Yes"
 2 "No"
 /QH110R
 1 "Yes"
 2 "No"
 /QH110S
 1 "Yes"
 2 "No"
 /QH111
 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"
 95 "No food cooked in HH"
 96 "Other"
 /QH111A
 1 "ELECTRICIDAD (SEGESA)"
 2 "GRUPO ELECTROGENO"
 3 "SOLAIRE"
 4 "LAMPARA ANTORCHA"
 5 "LAMPARA A GAZ"
 6 "LAMPARA TORMENTA"
 7 "LAMPARA A PETROLEO ARTESANAL"
 8 "BUGIA"
 9 "MADERA"
 96 "OTRO"
 /QH114
 11 "Earth, sand"
 12 "Dung"
 21 "Wood planks"
 22 "Palm, bamboo"
 31 "Parquet, polished wood"
 32 "Vinyl, asphalt strips"
 33 "Ceramic tiles"
 34 "Cement"
 35 "Carpet"
 96 "Other"
 /QH115

11 "No roof"
 12 "Thatch / palm leaf"
 13 "Sod"
 21 "Rustic mat"
 22 "Palm / bamboo"
 23 "Wood planks"
 24 "Cardboard"
 31 "Metal"
 32 "Wood"
 33 "Calamine / cement fiber"
 34 "Ceramic tiles"
 35 "Cement"
 36 "Roofing shingles"
 96 "Other"
 /QH116
 11 "No walls"
 12 "Cane / palm / trunks"
 13 "Dirt"
 21 "Bamboo with mud"
 22 "Stone with mud"
 23 "Uncovered adobe"
 24 "Plywood"
 25 "Cardboard"
 26 "Reused wood"
 31 "Cement"
 32 "Stone with lime / cement"
 33 "Bricks"
 34 "Cement blocks"
 35 "Covered adobe"
 36 "Wood planks / shingles"
 96 "Other"
 /QH118A
 1 "Yes"
 2 "No"
 /QH118B
 1 "Yes"
 2 "No"
 /QH118C
 1 "Yes"
 2 "No"
 /QH118D
 1 "Yes"
 2 "No"
 /QH118E
 1 "Yes"
 2 "No"
 /QH118F
 1 "Yes"
 2 "No"
 /QH118G
 1 "Yes"
 2 "No"

/QH118H
1 "Yes"
2 "No"
/QH118AA
1 "Yes"
2 "No"
/QH119
1 "Yes"
2 "No"
/QH120
99.5 "More than 95"
99.8 "Unknown"
/QH121
1 "Yes"
2 "No"
/QH122A
0 "None"
95 "More than 95"
98 "Unknown"
/QH122B
0 "None"
95 "More than 95"
98 "Unknown"
/QH122C
0 "None"
95 "More than 95"
98 "Unknown"
/QH122D
0 "None"
95 "More than 95"
98 "Unknown"
/QH122E
0 "None"
95 "More than 95"
98 "Unknown"
/QH122F
0 "None"
95 "More than 95"
98 "Unknown"
/QH122G
0 "None"
95 "More than 95"
98 "Unknown"
/QH122H
0 "None"
95 "More than 95"
98 "Unknown"
/QH123
1 "Yes"
2 "No"
/QH123A
1 "TODOS LOS DIAS"

2 "UNA VEZ A LA SEMANA"
 3 "UNA VEZ POR MES"
 4 "MENOS DE UNA VEZ POR MES"
 5 "NUNCA"
 /QH124
 1 "Yes"
 2 "No"
 8 "DK"
 /QH124A
 98 "Ne sait pas"
 /QH125
 'A ' "SERVICIO GUBERNAMENTAL"
 'B ' "COMPAÑIA PRIVADA"
 'C ' "MIEMBRO DEL HOGAR"
 'X ' "OTRO"
 /QH125A
 1 "Yes"
 2 "No"
 8 "DK"
 /QH125B
 1 "Yes"
 2 "No"
 6 "SIN VENTANAS"
 /QH125C
 1 "Yes"
 2 "No"
 /QH126
 1 "Yes"
 2 "No"
 /QH127
 7 "7+"
 /QH127A
 1 "Yes"
 2 "No"
 /QH127B
 1 "Yes"
 2 "No"
 8 "NSB/NO SE ACUERDA"
 /QH127C
 1 "SIN MUCHOS MOSQUITOS"
 2 "DEBIDO AL CALOR"
 3 "NO NOS GUSTA"
 4 "POR OLVIDO/NEGLIGENCIA"
 6 "OTRO"
 8 "NSB/NO SE ACUERDA"
 /QH127D
 'A ' "FALTA DE MEDIOS"
 'B ' "NO NECESARIO"
 'C ' "UTILIZAMOS OTRO MEDIO"
 'D ' "NO HAY MOSQUITOS"
 'E ' "NO NOS GUSTA"
 'X ' "OTRO"

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'Y      ' "NO SABE"
/QH137
  1 "Observed"
  2 "Not observed, not in dwelling / yard / plot"
  3 "Not observed, no permission to see"
  4 "Not observed, other reason"
/QH138
  1 "Water is available"
  2 "Water is not available"
/QH139
'A      ' "JABON DETERGENTE"
'B      ' "CENIZA, LODO, ARENA"
'C      ' "NINGUNO"
/QH140
  1 "PRESENCIA DE IODO"
  2 "SIN IODO"
  3 "NO HAY SAL EN EL HOGAR"
  6 "SAL NO TESTADA"

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.
EXECUTE.

*****CONSTRUCT VARIABLES*****.

* NOTE:

* Payment for housing: I ignored monthly payments for housing as discussed with Shea. Need to check it afterward to see if there is a correlation between quintiles.

* House ownership: In this case, the ownership categories are own, own and paid off, own and paying mortgage - collapsing all into 'own.'.

* There was no code for domestic in house or for domestic as occupation, so that was excluded.

* The household is asked about agricultural land and hectares, therefore i did not include the land ownership question or working on land question from individual questionnaires.

*{Members per sleeping room}.

if (hv012=0) hv012=hv013.

if (qh117>0) memsleep=trunc(hv012/qh117).

if (qh117=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'.

*{own, rent} NOTE: NOT USED BECAUSE REFERS TO PROPERTY NOT TENANTS.

*compute ownres=0.

*if (qh101a>=2 & qh101a<=4) ownres=1.

*var labels ownres "Own residence (paid off, on loan, or unspecified)".

*compute rentres=0.

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*if (qh101a=1) rentres=1.
*var labels rentres "Rent residence".
*compute freeres=0.
*if (qh101a=5) freeres=1.
*var labels freeres 'Free lodging (Cedida o Prestada)'.
*compute othres=0.
*if (qh101a=6 | missing(qh101a)) othres=1.
*var labels othres "Other residence".

*{Drinking water supply}.
compute h2oires=0.
if (qh102=11) h2oires=1.
var labels h2oires "[Drinking] Piped into dwelling".
compute h2oyrd=0.
if (qh102=12) h2oyrd=1.
var labels h2oyrd "[Drinking] Piped into yard/plot".
compute h2opub=0.
if (qh102=13) h2opub=1.
var labels h2opub "[Drinking] Public tap / standpipe".
compute h2obwell=0.
if (qh102=21) h2obwell=1.
var labels h2obwell "[Drinking] Well with tap".
compute h2ipwell=0.
if (qh102=31) h2ipwell=1.
var labels h2ipwell "[Drinking] Protected dug well".
compute h2iowell=0.
if (qh102=32) h2iowell=1.
var labels h2iowell "[Drinking] Unprotected dug well".
compute h2opspg=0.
if (qh102=41) h2opspg=1.
var labels h2opspg "[Drinking] Protected Spring".
compute h2ouspg=0.
if (qh102=42) h2ouspg=1.
var labels h2ouspg "[Drinking] Unprotected Spring".
compute h2orain=0.
if (qh102=51) h2orain=1.
var labels h2orain "[Drinking] Water from rain".
compute h2otruck=0.
if (qh102=61) h2otruck=1.
var labels h2otruck "[Drinking] Water from tanker truck".
compute h2ocart=0.
if (qh102=71) h2ocart=1.
var labels h2ocart "[Drinking] Water from cart with small tank".
compute h2osurf=0.
if (qh102=81) h2osurf=1.
var labels h2osurf "[Drinking] Surface water-river, lake, dam,
etc.".
compute h2obot=0.
if (qh102=91) h2obot=1.
var labels h2obot "[Drinking] Water from bottle".
compute h2ooth=0.
if (qh102=96) h2ooth=1.

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var labels h2ooth "[Drinking] Other water source".

*{water other than drinking: h2o2}.
compute h2o2ires=0.
if (qh102a=11) h2o2ires=1.
var labels h2o2ires "[Non-Drinking] Piped into dwelling".
compute h2o2yrd=0.
if (qh102a=12) h2o2yrd=1.
var labels h2o2yrd "[Non-Drinking] Piped into yard/plot".
compute h2o2pub=0.
if (qh102a=13) h2o2pub=1.
var labels h2o2pub "[Non-Drinking] Public tap / standpipe".
compute h2o2bwell=0.
if (qh102a=21) h2o2bwell=1.
var labels h2o2bwell "[Non-Drinking] Well with tap".
compute h2ipwell=0.
if (qh102a=31) h2ipwell=1.
var labels h2ipwell "[Non-Drinking] Protected dug well".
compute h2iowell=0.
if (qh102a=32) h2iowell=1.
var labels h2iowell "[Non-Drinking] Unprotected dug well".
compute h2o2pspg=0.
if (qh102a=41) h2o2pspg=1.
var labels h2o2pspg "[Non-Drinking] Protected Spring".
compute h2o2uspg=0.
if (qh102a=42) h2o2uspg=1.
var labels h2o2uspg "[Non-Drinking] Unprotected Spring".
compute h2o2rain=0.
if (qh102a=51) h2o2rain=1.
var labels h2o2rain "[Non-Drinking] Water from rain".
compute h2o2truck=0.
if (qh102a=61) h2o2truck=1.
var labels h2o2truck "[Non-Drinking] Water from tanker truck".
compute h2o2cart=0.
if (qh102a=71) h2o2cart=1.
var labels h2o2cart "[Non-Drinking] Water from cart with small
tank".
compute h2o2surf=0.
if (qh102a=81) h2o2surf=1.
var labels h2o2surf "[Non-Drinking] Surface water-river, lake,
dam, etc.".
compute h2o2bot=0.
if (qh102a=91) h2o2bot=1.
var labels h2o2bot "[Non-Drinking] Water from bottle".
compute h2o2oth=0.
if (qh102a=96) h2o2oth=1.
var labels h2o2oth "[Non-Drinking] Other water source".

*{Toilet facility - Shared=no or DK/na}.
compute flushs=0.
if (qh107=11 & qh108<>1) flushs=1.
var labels flushs "Flush toilet to sewer".

```

```

compute flusht=0.
if (qh107=12 & qh108<>1) flusht=1.
var labels flusht "Flush toilet to septic tank".
compute flushp=0.
if (qh107=13 & qh108<>1) flushp=1.
var labels flushp "Flush toilet to pit latrine".
compute flushe=0.
if ((qh107=14 | qh107=15) & ( qh108<>1)) flushe=1.
var labels flushe "Flush toilet to elsewhere".
compute latvip=0.
if (qh107=21 & qh108<>1) latvip=1.
var labels latvip "VIP latrine".
compute latpits=0.
if (qh107=22 & qh108<>1) latpits=1.
var labels latpits "Pit latrine with slab".
compute latpit=0.
if (qh107=23 & qh108<>1) latpit=1.
var labels latpit "Traditional pit latrine".
compute latcomp=0.
if (qh107=31 & qh108<>1) latcomp=1.
var labels latcomp "Composting toilet/ecosan".
compute latpail=0.
if (qh107=41 & qh108<>1) latpail=1.
var labels latpail "Bucket toilet".
compute lathang=0.
if (qh107=51 & qh108<>1) lathang=1.
var labels lathang "Hanging toilet/latrine".
compute latbush=0.
if (qh107=61 & qh108<>1) latbush=1.
var labels latbush "No facility/bush/field".
compute latoth=0.
if (qh107=96 & qh108<>1) latoth=1.
var labels latoth "Other type of latrine/toilet".

*{Toilet facility - Shared}.
compute sflushs=0.
if (qh107=11 & qh108=1) sflushs=1.
var labels sflushs "Shared flush toilet to sewer".
compute sflusht=0.
if (qh107=12 & qh108=1) sflusht=1.
var labels sflusht "Shared flush toilet to septic tank".
compute sflushp=0.
if (qh107=13 & qh108=1) sflushp=1.
var labels sflushp "Shared Flush toilet to pit latrine".
compute sflushe=0.
if ((qh107=14 | qh107=15) & ( qh108=1)) sflushe=1.
var labels sflushe "Shared flush toilet to elsewhere".
compute slatvip=0.
if (qh107=21 & qh108=1) slatvip=1.
var labels slatvip "Shared VIP latrine".
compute slatpits=0.
if (qh107=22 & qh108=1) slatpits=1.

```



```

var labels slatpits "Shared pit latrine with slab".
compute slatpit=0.
if (qh107=23 & qh108=1) slatpit=1.
var labels slatpit "Shared traditional pit latrine".
compute slatcomp=0.
if (qh107=31 & qh108=1) slatcomp=1.
var labels slatcomp "Shared composting toilet/ecosan".
compute slatpail=0.
if (qh107=41 & qh108=1) slatpail=1.
var labels slatpail "Shared bucket toilet".
compute slathang=0.
if (qh107=51 & qh108=1) slathang=1.
var labels slathang "Shared hanging toilet/latrine".
compute slatoth=0.
if (qh107=96 & qh108=1) slatoth=1.
var labels slatoth "Shared other type of latrine/toilet".

*{Flooring}.
compute dirtfloo=0.
if (qh114=11 or qh114=12) dirtfloo=1.
var labels dirtfloo "Earth, sand, dung floor".
compute woodfloo=0.
if (qh114=21 or qh114=22) woodfloo=1.
var labels woodfloo "Rudimentary wood plank, palm, bamboo floor".
compute prqfloo=0.
if (qh114=31) prqfloo=1.
var labels prqfloo "Polished wood floor".
compute vinlfloo=0.
if (qh114=32) vinlfloo=1.
var labels vinlfloo "Vinyl, asphalt strip floor".
compute tilefloo=0.
if (qh114=33) tilefloo=1.
var labels tilefloo "Ceramic tile floor".
compute centfloo=0.
if (qh114=34) centfloo=1.
var labels centfloo "Cement floor".
compute rugfloo=0.
if (qh114=35) rugfloo=1.
var labels rugfloo "Carpeted floor".
compute othfloo=0.
if (qh114=96) othfloo=1.
var labels othfloo "Other type of flooring".

*{Walls}.
compute nowall=0.
if (qh116=11) nowall=1.
var labels nowall "No walls".
compute natwall=0.
if (qh116=12 or qh116=13) natwall=1.
var labels natwall "Cane/palm/trunks/dirt walls".
compute mudwall=0.
if (qh116=21) mudwall=1.

```

```

var labels mudwall "Bamboo with mud walls".
compute stonwall=0.
if (qh116=22) stonwall=1.
var labels stonwall "Stone with mud walls".
compute adobwall=0.
if (qh116=23) adobwall=1.
var labels adobwall "Uncovered adobe walls".
compute plywall=0.
if (qh116=24) plywall=1.
var labels plywall "Plywood walls".
compute cardwall=0.
if (qh116=25) cardwall=1.
var labels cardwall "Cardboard walls".
compute rwoodwall=0.
if (qh116=26) rwoodwall=1.
var labels rwoodwall "Reused wood walls".
compute cmtwall=0.
if (qh116=31) cmtwall=1.
var labels cmtwall "Cement walls".

* !!! Repeated name !!!.
compute stonwall=0.
if (qh116=32) stonwall=1.
var labels stonwall "Stone walls with lime/cement".
compute brkwall=0.
if (qh116=33) brkwall=1.
var labels brkwall "Baked brick walls".
compute cmtbwall=0.
if (qh116=34) cmtbwall=1.
var labels cmtbwall "Cement block walls".
compute cadobwall=0.
if (qh116=35) cadobwall=1.
var labels cadobwall "Covered adobe walls".
compute woodwall=0.
if (qh116=36) 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 noroof=0.
if (qh115=11) noroof=1.
var labels noroof "No roof".
compute natroof=0.
if (qh115=12 | qh115=13) natroof=1.
var labels natroof "Thatch/palm/sod roof".
compute matroof=0.
if (qh115=21) matroof=1.
var labels matroof "Rustic mat / plastic roof".
compute bambroof=0.
if (qh115=22) bambroof=1.

```

```

var labels bambroof "Palm / bamboo roof".
compute wproof=0.
if (qh115=23) wproof=1.
var labels wproof "Wood planks roof".
compute cardroof=0.
if (qh115=24) cardroof=1.
var labels cardroof "Cardboard roof".
compute metroof=0.
if (qh115=31) metroof=1.
var labels metroof "Iron sheet roof".
compute woodroof=0.
if (qh115=32) woodroof=1.
var labels woodroof "Wood roof".
compute asbroof=0.
if (qh115=33) asbroof=1.
var labels asbroof "calamine / cement fiber roof".
compute ctroof=0.
if (qh115=34) ctroof=1.
var labels ctroof "Ceramic tiles roof".
compute cmtreeof=0.
if (qh115=35) cmtreeof=1.
var labels cmtreeof "Concrete roof".
compute shngroof=0.
if (qh115=36) shngroof=1.
var labels shngroof "Roofing shingles 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 cooklpg=0.
if (qh111=2) cooklpg=1.
var labels cooklpg "LPG for cooking".
compute cookgas=0.
if (qh111=3) cookgas=1.
var labels cookgas "Natural gas for cooking".
compute cookbio=0.
if (qh111=4) cookbio=1.
var labels cookbio "Biogas for cooking".
compute cookkero=0.
if (qh111=5) cookkero=1.
var labels cookkero "Kerosene for cooking".
compute cookcoal=0.
if (qh111=6) cookcoal=1.
var labels cookcoal "Coal, lignite for cooking".
compute cookchar=0.
if (qh111=7) cookchar=1.

```

```

var labels cookchar "Charcoal for cooking".
compute cookwood=0.
if (qh111=8 ) cookwood=1.
var labels cookwood "Wood for cooking".
compute cookstraw=0.
if (qh111=9) cookstraw=1.
var labels cookstraw "Straw/shrubs/grass for cooking".
compute cookcrop=0.
if (qh111=10) cookcrop=1.
var labels cookcrop "Agricultural crop for cooking".
compute cookdung=0.
if (qh111=11) 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".

*{Lighting fuel}.
*{NOTE: did not make an attempt to translate even when it seemed
obvious, just to avoid errors}.
compute eleclgt=0.
if (qh111a=1) eleclgt=1.
var labels eleclgt "Electricity for lighting".
compute gelgt=0.
if (qh111a=2) gelgt=1.
var labels gelgt "grupo electrogeno (power unit)".
compute sunlgt=0.
if (qh111a=3) sunlgt=1.
var labels sunlgt "Solar electricity for lighting".
compute lalgt=0.
if (qh111a=4) lalgt=1.
var labels lalgt "LAMPARA ANTORCHA for lighting".
compute lglgt=0.
if (qh111a=5) lglgt=1.
var labels lglgt "LAMPARA A GAZ for lighting".
compute ltlgt=0.
if (qh111a=6) ltlgt=1.
var labels ltlgt "LAMPARA TORMENTA for lighting".
compute lapalgt=0.
if (qh111a=7) lapalgt=1.
var labels lapalgt "LAMPARA A PETROLEO ARTESANAL for lighting".
compute bglgt=0.
if (qh111a=8) bglgt=1.
var labels bglgt "BUGIA for lighting".
compute mdlgt=0.
if (qh111a=9) mdlgt=1.
var labels mdlgt "MADERA for lighting".
compute othlgt=0.
if (qh111a=96) othlgt=1.

```

```

var labels othlgt "Other type of lighting".

*{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 (qh110g<>1) qh110g=0.
if (qh110h<>1) qh110h=0.
if (qh110i<>1) qh110i=0.
if (qh110j<>1) qh110j=0.
if (qh110k<>1) qh110k=0.
if (qh110l<>1) qh110l=0.
if (qh110m<>1) qh110m=0.
if (qh110n<>1) qh110n=0.
if (qh110o<>1) qh110o=0.
if (qh110p<>1) qh110p=0.
if (qh110q<>1) qh110q=0.
if (qh110r<>1) qh110r=0.
if (qh110s<>1) qh110s=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.
*note: kept canoe, dropped boat with motor as per shea's earlier
examples.
if (qh118h<>1) qh118h=0.

if (qh119<>1) qh119=0.
if (qh119<>1) qh120=0.

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

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.
if (qh121<>1) qh122g=0.
if (qh121<>1) qh122h=0.
missing values qh122a to qh122h (98,99).

```

```

if (qh123<>1) qh123=0.
*{Solid waste/garbage collection-Not available in Equatorial
Guinea}.

execute.

* Check on indicator variable creation.

save outfile="C:\USERS\DOCUMENTS\WEALTHINDEX\EK-2012-
CALCS\EKassets.sav".
FREQUENCIES VARIABLES= memsleep HOUSE QH110A QH110B QH110C QH110D
QH110E QH110F QH110G QH110H QH110I
    QH110J QH110K QH110L QH110M QH110N QH110O QH110P QH110Q
QH110R
    QH110S QH118A QH118B QH118C QH118D QH118E QH118F QH118H
    QH121 QH122A QH122B QH122C QH122D QH122E QH122F QH122G QH122H
    QH123 h2oires h2oyrd h2opub h2obwell
    h2ipwell h2iowell h2opspg h2ouspg h2orain h2otruck h2ocart
h2osurf h2obot h2ooth h2o2ires h2o2yrd
    h2o2pub h2o2bwell h2o2pspg h2o2uspg h2o2rain h2o2truck
h2o2cart h2o2surf h2o2bot h2o2oth flushs
    flusht flushp flushs latvip latpits latpit latcomp latpail
lathang latbush latoth sflushs sflusht
    sflushp sflushs slatvip slatpits slatpit slatcomp slatpail
slathang slatoth dirtfloo
    woodfloo prqfloo vinlfloo tilefloo cemtfloo rugfloo othfloo
nowall natwall mudwall stonwall
    adobwall plywall cardwall rwoodwall cmtwall brkwall cmtbwall
cadobwall woodwall othwall noroof
    natroof matroof bambroof wproof cardroof metroof woodroof
asbroof ctroof shngroof cmtroof othroof
    cookelec cooklpg cookgas cookbio cookkero cookcoal cookchar
cookwood cookstraw cookcrop cookdung
    cooknone cookoth eleclgt gelgt sunlgt lalgt lglgt ltlgt
lapalgt bglgt mdlgt othlgt landarea
    /ORDER=ANALYSIS.

```

```

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

```

```

FACTOR
/VARIABLES HOUSE QH110A QH110B QH110C QH110D QH110E QH110F
QH110G QH110H QH110I
    QH110J QH110K QH110L QH110M QH110N QH110O QH110P QH110Q
QH110R
    QH110S QH118A QH118B QH118C QH118D QH118E QH118F QH118H
    QH121 QH122B QH122C QH122D QH122E QH122F QH122G QH122H

```

QH123 h2oires h2oyrd h2opub h2obwell
h2ipwell h2iowell h2opspg h2ouspg h2orain h2otruck h2ocart
h2osurf h2obot h2ooth h2o2ires h2o2yrd
h2o2pub h2o2bwell h2o2pspg h2o2uspg h2o2truck h2o2cart
h2o2surf h2o2bot h2o2oth flushs
flusht flushp flushe latvip latpits latpit latcomp latpail
lathang latoth sflushs sflusht
sflushp sflushe slatvip slatpits slatpit slatcomp slatpail
slathang slatoth dirtfloo
woodfloo prqfloo vinlfloo tilefloo cemtfloo rugfloo othfloo
nowall natwall mudwall stonwall
adobwall plywall cardwall rwoodwall cmtwall brkwall cmtbwall
cadobwall woodwall othwall noroof
natroof bambroof wproof cardroof metroof woodroof asbroof
ctroof shngroof cmtroof othroof
cookelec cooklpg cookgas cookbio cookkero cookcoal cookchar
cookwood cookstraw
cooknone cookoth eleclgt gelgt sunlgt lalgt ltlgt lapalgt
bglgt othlgt landarea
/MISSING MEANSUB
/ANALYSIS HOUSE QH110A QH110B QH110C QH110D QH110E QH110F
QH110G QH110H QH110I
QH110J QH110K QH110L QH110M QH110N QH110O QH110P QH110Q
QH110R
QH110S QH118A QH118B QH118C QH118D QH118E QH118F QH118H
QH121 QH122B QH122C QH122D QH122E QH122F QH122G QH122H
QH123 h2oires h2oyrd h2opub h2obwell
h2ipwell h2iowell h2opspg h2ouspg h2orain h2otruck h2ocart
h2osurf h2obot h2ooth h2o2ires h2o2yrd
h2o2pub h2o2bwell h2o2pspg h2o2uspg h2o2truck h2o2cart
h2o2surf h2o2bot h2o2oth flushs
flusht flushp flushe latvip latpits latpit latcomp latpail
lathang latoth sflushs sflusht
sflushp sflushe slatvip slatpits slatpit slatcomp slatpail
slathang slatoth dirtfloo
woodfloo prqfloo vinlfloo tilefloo cemtfloo rugfloo othfloo
nowall natwall mudwall stonwall
adobwall plywall cardwall rwoodwall cmtwall brkwall cmtbwall
cadobwall woodwall othwall noroof
natroof bambroof wproof cardroof metroof woodroof asbroof
ctroof shngroof cmtroof othroof
cookelec cooklpg cookgas cookbio cookkero cookcoal cookchar
cookwood cookstraw
cooknone cookoth eleclgt gelgt sunlgt lalgt ltlgt lapalgt
bglgt othlgt landarea
/PRINT UNIVARIATE INITIAL 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 ****.

FACTOR

/VARIABLES HOUSE QH110A QH110B QH110C QH110D QH110E QH110F
QH110G QH110H QH110I
QH110J QH110K QH110L QH110M QH110N QH110O QH110P QH110Q
QH110R
QH110S QH118A QH118B QH118C QH118D QH118E QH118F QH118H
QH123 h2oires h2oyrd h2opub h2obwell
h2ipwell h2iowell h2opspg h2ouspg h2orain h2otruck h2ocart
h2osurf h2obot h2ooth h2o2ires h2o2yrd
h2o2pub h2o2bwell h2o2pspg h2o2uspg h2o2truck h2o2cart
h2o2surf h2o2bot h2o2oth flushs
flusht flushp flushes latvip latpits latpit latcomp latpail
lathang latoth sflushs sflusht
sflushp sflushes slatvip slatpits slatpit slatcomp slatpail
slathang slatoth dirtfloo
woodfloo prqfloo vinlfloo tilefloo cemtfloo rugfloo othfloo
nowall natwall mudwall stonwall
adobwall plywall cardwall rwoodwall cmtwall brkwall cmtbwall
cadobwall woodwall othwall noroof
natroof bambroof wproof cardroof metroof woodroof asbroof
ctroof shngroof cmtroof othroof
cookelec cooklpg cookgas cookbio cookkero cookcoal cookchar
cookwood cookstraw
cooknone cookoth eleclgt gelgt sunlgt lalgt ltlgt lapalgt
bglgt othlgt landarea

/MISSING MEANSUB

/ANALYSIS HOUSE QH110A QH110B QH110C QH110D QH110E QH110F
QH110G QH110H QH110I
QH110J QH110K QH110L QH110M QH110N QH110O QH110P QH110Q
QH110R
QH110S QH118A QH118B QH118C QH118D QH118E QH118F QH118H
QH123 h2oires h2oyrd h2opub h2obwell
h2ipwell h2iowell h2opspg h2ouspg h2orain h2otruck h2ocart
h2osurf h2obot h2ooth h2o2ires h2o2yrd
h2o2pub h2o2bwell h2o2pspg h2o2uspg h2o2truck h2o2cart
h2o2surf h2o2bot h2o2oth flushs
flusht flushp flushes latvip latpits latpit latcomp latpail
lathang latoth sflushs sflusht
sflushp sflushes slatvip slatpits slatpit slatcomp slatpail
slathang slatoth dirtfloo
woodfloo prqfloo vinlfloo tilefloo cemtfloo rugfloo othfloo
nowall natwall mudwall stonwall
adobwall plywall cardwall rwoodwall cmtwall brkwall cmtbwall


```

cadobwall woodwall othwall noroof
  natroof bambroof wproof cardroof metroof woodroof asbroof
ctroof shngroof cmtroof othroof
  cookelec cooklpg cookgas cookbio cookkero cookcoal cookchar
cookwood cookstraw
  cooknone cookoth eleclgt gelgt sunlgt lalgt ltlgt lapalgt
bglgt othlgt landarea
  /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_$=(qhtype = 1).
VARIABLE LABEL filter_$ 'qhtype = 1 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMAT filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE .

```

```

WEIGHT
  OFF.

```

```

FACTOR
  /VARIABLES HOUSE QH110A QH110B QH110C QH110D QH110E QH110F
QH110G QH110H QH110I
  QH110J QH110K QH110L QH110M QH110N QH110O QH110P QH110Q
QH110R
  QH110S QH118A QH118B QH118C QH118D QH118E QH118F QH118H
QH121 QH122B QH122C QH122D QH122E QH122F QH122G QH122H
QH123 h2oires h2oyrd h2opub h2obwell
  h2ipwell h2iowell h2opspg h2ouspg h2orain h2otruck h2ocart
h2osurf h2obot h2ooth h2o2ires h2o2yrd
  h2o2pub h2o2bwell h2o2pspg h2o2uspg h2o2truck h2o2cart
h2o2surf h2o2bot h2o2oth flushs
  flusht flushp flushe latvip latpits latpit latcomp latpail
lathang latoth sflushs sflusht
  sflushp sflushe slatvip slatpits slatpit slatcomp slatpail
slathang slatoth dirtfloo
  woodfloo prqfloo vinlfloo tilefloo cemtfloo rugfloo othfloo
nowall natwall mudwall stonwall
  adobwall plywall cardwall rwoodwall cmtwall brkwall cmtbwall
cadobwall woodwall othwall noroof
  natroof bambroof wproof cardroof metroof woodroof asbroof
ctroof shngroof cmtroof othroof

```

```

    cookelec cooklpg cookgas cookbio cookkero cookcoal cookchar
cookwood
    cooknone cookoth eleclgt gelgt lalgt ltlgt lapalgt bglgt
othlgt landarea
    /MISSING MEANSUB
    /ANALYSIS HOUSE QH110A QH110B QH110C QH110D QH110E QH110F
QH110G QH110H QH110I
    QH110J QH110K QH110L QH110M QH110N QH110O QH110P QH110Q
QH110R
    QH110S QH118A QH118B QH118C QH118D QH118E QH118F QH118H
QH121 QH122B QH122C QH122D QH122E QH122F QH122G QH122H
QH123 h2oires h2oyrd h2opub h2obwell
    h2ipwell h2iowell h2opspg h2ouspg h2orain h2otruck h2ocart
h2osurf h2obot h2ooth h2o2ires h2o2yrd
    h2o2pub h2o2bwell h2o2pspg h2o2uspg h2o2truck h2o2cart
h2o2surf h2o2bot h2o2oth flushs
    flusht flushp flushs latvip latpits latpit latcomp latpail
lathang latoth sflushs sflusht
    sflushp sflushs slatvip slatpits slatpit slatcomp slatpail
slathang slatoth dirtfloo
    woodfloo prqfloo vinlfloo tilefloo cemtfluo rugfloo othfloo
nowall natwall mudwall stonwall
    adobwall plywall cardwall rwoodwall cmtwall brkwall cmtbwall
cadobwall woodwall othwall noroof
    natroof bambroof wproof cardroof metroof woodroof asbroof
ctroof shngroof cmtroof othroof
    cookelec cooklpg cookgas cookbio cookkero cookcoal cookchar
cookwood
    cooknone cookoth eleclgt gelgt lalgt ltlgt lapalgt bglgt
othlgt 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 HOUSE QH110A QH110B QH110C QH110D QH110E QH110F
QH110G QH110H QH110I

```

QH110J QH110K QH110L QH110M QH110N QH110O QH110P QH110Q
 QH110R
 QH110S QH118A QH118B QH118C QH118D QH118E QH118F QH118H
 QH121 QH122B QH122D QH122E QH122F QH122G QH122H
 QH123 h2oires h2oyrd h2opub h2obwell
 h2ipwell h2iowell h2opspg h2ouspg h2orain h2otruck h2ocart
 h2osurf h2obot h2ooth h2o2ires
 h2o2pub h2o2bwell h2o2uspg h2o2surf h2o2bot flushs
 flusht flushp flushe latvip latpits latpit lathang latoth
 sflushs sflusht
 sflushp sflushe slatvip slatpits slatpit slatpail slathang
 slatoth dirtfloo
 woodfloo prqfloo tilefloo cemtfloo rugfloo othfloo nowall
 natwall mudwall stonwall
 adobwall plywall cardwall rwoodwall cmtwall brkwall cmtbwall
 cadobwall woodwall othwall noroof
 natroof bambroof wproof metroof woodroof asbroof ctroof
 shngroof cmtroof othroof
 cookelec cooklpg cookgas cookbio cookkero cookcoal cookchar
 cookwood cookstraw
 cooknone cookoth eleclgt gelgt sunlgt lalgt ltlgt lapalgt
 bglgt othlgt landarea
 /MISSING MEANSUB
 /ANALYSIS HOUSE QH110A QH110B QH110C QH110D QH110E QH110F
 QH110G QH110H QH110I
 QH110J QH110K QH110L QH110M QH110N QH110O QH110P QH110Q
 QH110R
 QH110S QH118A QH118B QH118C QH118D QH118E QH118F QH118H
 QH121 QH122B QH122D QH122E QH122F QH122G QH122H
 QH123 h2oires h2oyrd h2opub h2obwell
 h2ipwell h2iowell h2opspg h2ouspg h2orain h2otruck h2ocart
 h2osurf h2obot h2ooth h2o2ires
 h2o2pub h2o2bwell h2o2uspg h2o2surf h2o2bot flushs
 flusht flushp flushe latvip latpits latpit lathang latoth
 sflushs sflusht
 sflushp sflushe slatvip slatpits slatpit slatpail slathang
 slatoth dirtfloo
 woodfloo prqfloo tilefloo cemtfloo rugfloo othfloo nowall
 natwall mudwall stonwall
 adobwall plywall cardwall rwoodwall cmtwall brkwall cmtbwall
 cadobwall woodwall othwall noroof
 natroof bambroof wproof metroof woodroof asbroof ctroof
 shngroof cmtroof othroof
 cookelec cooklpg cookgas cookbio cookkero cookcoal cookchar
 cookwood cookstraw
 cooknone cookoth eleclgt gelgt sunlgt lalgt ltlgt lapalgt
 bglgt othlgt 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 comb scor=0.
print formats comb scor (F11.5).
** Urban.

```

```

if (qhtype = 1) combscor=.442+0.838* URB1.
** Rural.
if (qhtype = 2) combscor=(-0.803)+0.710* RUR1.
execute.

compute hhwt=qhweight/1000000.
*Tabulation for histograms.
weight by hhwt.
filter off.
use all.
FREQUENCIES
  VARIABLES=combscor  /FORMAT=NOTABLE
  /NTILES= 5
  /STATISTICS=STDDEV MEAN
  /HISTOGRAM NORMAL
  /ORDER= ANALYSIS
.
* Calculate histogram intervals.
*compute histnac=trunc(facl_1/((2.5-(-2.0))/50)).
*if (facl_1 ge 0 ) histnac=histnac+1.
*freq var=histnac.

*Calculate quintiles and scores for data file.
compute hmemwt=qhweight*hv012/1000000.
weight by hmemwt.
VARIABLE LABELS hmemwt '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 .

*** Check on quintiles.

frequencies variables=ncombsco.

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

MEANS TABLES=HOUSE QH110A QH110B QH110C QH110D QH110E QH110F
QH110G QH110H QH110I
  QH110J QH110K QH110L QH110M QH110N QH110O QH110P QH110Q
QH110R
  QH110S QH118A QH118B QH118C QH118D QH118E QH118F QH118H
  QH121 QH122B QH122C QH122D QH122E QH122F QH122G QH122H
  QH123 h2oires h2oyrd h2opub h2obwell
  h2ipwell h2iowell h2opspg h2ouspg h2orain h2otruck h2ocart
h2osurf h2obot h2ooth h2o2ires h2o2yrd
  h2o2pub h2o2bwell h2o2pspg h2o2uspg h2o2truck h2o2cart
h2o2surf h2o2bot h2o2oth flushs
  flusht flushp flushe latvip latpits latpit latcomp latpail
lathang latoth sflushs sflusht
  sflushp sflushe slatvip slatpits slatpit slatcomp slatpail
slathang slatoth dirtfloo
  woodfloo prqfloo vinlfloo tilefloo cemtfluo rugfloo othfloo
nowall natwall mudwall stonwall
  adobwall plywall cardwall rwoodwall cmtwall brkwall cmtbwall
cadobwall woodwall othwall noroof
  natroof bambroof wproof cardroof metroof woodroof asbroof
ctroof shngroof cmtroof othroof
  cookelec cooklpg cookgas cookbio cookkero cookcoal cookchar
cookwood cookstraw

```

```
    cooknone cookoth eleclgt gelgt sunlgt lalgt  ltlgt lapalgt
bglgt  othlgt landarea
    by Ncombsco
    /CELLS MEAN COUNT STDDEV.
```

```
save outfile="C:\USERS\DOCUMENTS\WEALTHINDEX\EK-2012-
CALCS\EKassets.sav".
```

```
WEIGHT
    OFF.
```

```
*** Write out scores file.
```

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

```
WRITE OUTFILE='C:\USERS\DOCUMENTS\WEALTHINDEX\EK-2012-
CALCS\EKscores.dat'
```

```
    TABLE
    /qhclust qhnumber combscor ncombsco urb1 nurb1 rur1 nrur1.
EXECUTE.
```

```
save outfile="C:\USERS\DOCUMENTS\WEALTHINDEX\EK-2012-
CALCS\EKassets.sav".
```

```
*check with housing payment.
COMPUTE pay=0.
if(QH101B>0 & qh101b<999998) pay=qh101b.
if (QH101C>0 & qh101c<999998) pay=qh101c.
if (qh101b=999998 | qh101c=999998) pay=$sysmis.
EXECUTE.
weight by hhwt.
```

```
MEANS TABLES=pay BY Ncombsco
    /CELLS MEAN COUNT STDDEV.
```