

Economic Clustering Summary Report: Gabon 2012

Data Summary

Country Code-year: GA12

Number of observations: 8924

Number of variables used: 31

Variable set used: 1

Variables used in the algorithm: hv206, hv207, hv208, hv209, hv212, hv225, hv227, hv243a, hv243b, hv244, hv246, hv247, sh110d, sh110e, sh110g, sh110i, sh110k, sh110l, sh110m, sh110n, sh110o, sh110p, sh110x, sh110y, sh110z, water, toilet, floor, roof, cookfuel, wall

Top 10 Variable Sets (Sorted by ASW)

Set	ASW	Var.1	Var.2	Var.3	Var.4
1	0.9865	has car/truck	has mobile telephone	has hifi	roof
2	0.9838	has electricity	has refrigerator	has car/truck	roof
3	0.9836	has electricity	has car/truck	has mobile telephone	roof
4	0.9835	has television	has car/truck	has mobile telephone	roof
5	0.9834	has television	has mobile telephone	has hifi	roof
6	0.9829	has car/truck	has mobile telephone	has antenna / decoder	roof
7	0.9828	has mobile telephone	has hifi	has antenna / decoder	roof
8	0.9827	has television	has car/truck	has antenna / decoder	roof
9	0.9826	has mobile telephone	has generator	has hifi	roof
10	0.9824	has electricity	has television	has car/truck	roof

Marginal Distributions

Variable	Description	% in Top Sets	Distribution
hv212	has car/truck	70%	Binary, 8.5% (1/yes)
hv206	has electricity	30%	Binary, 70.4% (1/yes)
hv208	has television	40%	Binary, 63.3% (1/yes)
hv243a	has mobile telephone	70%	Binary, 81.4% (1/yes)
hv209	has refrigerator	10%	Binary, 19.3% (1/yes)
sh110g	has hifi	40%	Binary, 13.8% (1/yes)
sh110e	has generator	10%	Binary, 8.1% (1/yes)
sh110x	has antenna / decoder	30%	Binary, 26.5% (1/yes)
roof	roof	100%	Categorical, 0 (finished) = 97.5%, 1 (other) = 0.1%, 2 (rudimentary) = 2.4%

Cluster Configuration (Set #1)

Cluster Group	has car/truck	has mobile telephone	has hifi	roof	Proportion (%)
1 1	0	1	finished	3.84	
1 1	1	1	finished		
2 0	0	0	finished	18.33	
2 0	0	0	rudimentary		
3 1	0	0	finished	4.63	
3 1	1	0	finished		
3 1	1	0	other		
3 1	1	0	rudimentary		
4 0	0	1	finished	9.97	
4 0	1	1	finished		
4 0	1	1	other		
5 0	1	0	finished	63.22	
5 0	1	0	other		
5 0	1	0	rudimentary		

Validation Tables

a.1) Using Children Deceased (Sorted by proportion of 0%)

Cluster ID/Children Deceased	0%	1-33%	34-66%	67+%
1*	391 (88.7%)	36 (8.2%)	11 (2.5%)	3 (0.7%)
3	451 (87.9%)	45 (8.8%)	10 (1.9%)	7 (1.4%)
4	802 (86.4%)	88 (9.5%)	29 (3.1%)	9 (1.0%)
5	4,389 (83.5%)	637 (12.1%)	163 (3.1%)	67 (1.3%)
2	498 (78.3%)	111 (17.5%)	22 (3.5%)	5 (0.8%)
Total	6,531 (84.0%)	917 (11.8%)	235 (3.0%)	91 (1.2%)

*The chi-squared p-value is 0

a.2) Aggregating proportions greater than 0%

Cluster ID/Children Deceased	0%	>0%
1*	391 (88.7%)	50 (11.3%)
3	451 (87.9%)	62 (12.1%)
4	802 (86.4%)	126 (13.6%)
5	4,389 (83.5%)	867 (16.5%)
2	498 (78.3%)	138 (21.7%)
Total	6,531 (84.0%)	1,243 (16.0%)

*The chi-squared p-value is 0

b) Using Individual Education Level Attained (Sorted by weighted average by row)

Cluster ID/Education	0	1	2	3	4	5	W. Avg.
1 ^a	10 (2.3%)	37 (8.4%)	19 (4.3%)	294 (66.7%)	20 (4.5%)	61 (13.8%)	3.04
3	16 (3.1%)	57 (11.1%)	25 (4.9%)	354 (69.0%)	22 (4.3%)	39 (7.6%)	2.83
4	23 (2.5%)	165 (17.8%)	64 (6.9%)	589 (63.5%)	23 (2.5%)	64 (6.9%)	2.66
5	236 (4.5%)	1,414 (26.9%)	431 (8.2%)	2,922 (55.6%)	91 (1.7%)	162 (3.1%)	2.32
2	55 (8.6%)	341 (53.6%)	69 (10.8%)	167 (26.3%)	2 (0.3%)	2 (0.3%)	1.57
Total	340 (4.4%)	2,014 (25.9%)	608 (7.8%)	4,326 (55.6%)	158 (2.0%)	328 (4.2%)	2.38

^aThe chi-squared p-value is 0

^a0=none, 1=incomplete primary, 2=primary, 3=incomplete secondary, 4=secondary, 5=higher

c) Using Primary Healthcare Source (Sorted by % enrolled in public healthcare [ascending order])

Cluster ID/Primary Healthcare Source	0	1	2	51	61
3 ^a	13 (13.0%)	57 (57.0%)	5 (5.0%)	9 (9.0%)	16 (16.0%)
5	166 (16.7%)	477 (47.9%)	75 (7.5%)	76 (7.6%)	201 (20.2%)
4	34 (17.3%)	86 (43.9%)	21 (10.7%)	12 (6.1%)	43 (21.9%)
1	20 (17.4%)	55 (47.8%)	11 (9.6%)	7 (6.1%)	22 (19.1%)
2	13 (22.8%)	21 (36.8%)	5 (8.8%)	4 (7.0%)	14 (24.6%)
Total	246 (16.8%)	696 (47.6%)	117 (8.0%)	108 (7.4%)	296 (20.2%)

^aThe chi-squared p-value is 0.2476

^a0=public/government, 1=private, 2=other