Economic Clustering Summary Report: Guinea 2018

Data Summary

Country Code-year: GN18

Number of observations: 7899

Number of variables used: 25

Variable set used: 1

Variables used in the algorithm: hv206, hv207, hv208, hv209, hv210, hv211, hv227, hv237, hv243a, hv243b, hv244, hv246, sh121e, sh121h, sh121i, sh121j, sh121k, sh121l, sh121o, water, toilet, floor, roof, cookfuel, wall

Top 10 Variable Sets (Sorted by ASW)

Set	ASW	Var.1	Var.2	Var.3	Var.4
1	0.9448	has electricity	has television	has refrigerator	has mobile telephone
2	0.9374	has electricity	has refrigerator	has mobile telephone	fan
3	0.9368	has electricity	has television	has mobile telephone	fan
4	0.9339	has television	has refrigerator	has mobile telephone	fan
5	0.9301	has electricity	has television	has mobile telephone	cupboard/library
6	0.9171	has electricity	has television	has refrigerator	fan
7	0.9167	has electricity	has mobile telephone	fan	cupboard/library
8	0.9109	has television	has mobile telephone	fan	cupboard/library
9	0.9072	has television	has refrigerator	fan	chair
10	0.9039	has television	has refrigerator	has mobile telephone	cupboard/library

Marginal Distributions

Variable	Description	% in Top Sets	Distribution
hv206	has electricity	60%	Binary, 43.5% (1/yes)
hv208	has television	80%	Binary, 30.6% (1/yes)
hv209	has refrigerator	60%	Binary, 15.4% (1/yes)
hv243a	has mobile telephone	80%	Binary, 89.7% (1/yes)
sh121e	fan	70%	Binary, 21.3% (1/yes)
sh121l	cupboard/library	40%	Binary, 12.8% (1/yes)
sh121i	chair	10%	Binary, 72.2% (1/yes)

Cluster Configuration (Set #1)

Cluster Group	has electricity	has television	has refrigerator	has mobile telephone	Proportion (%)
1	1	1	0	0	14.53
1	1	1	0	1	
2	0	0	0	0	9.00
2	0	0	1	0	
2	0	1	0	0	
3	0	1	1	0	15.34
3	0	1	1	1	
3	1	0	1	0	
3	1	0	1	1	
3	1	1	1	0	
3	1	1	1	1	
4	1	0	0	0	13.81
4	1	0	0	1	
5	0	0	0	1	47.31
5	0	0	1	1	
5	0	1	0	1	

Validation Tables

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

Cluster ID/Children Deceased	0%	1-33%	34-66%	67+%
3[*]	1,825 (91.8%)	116 (5.8%)	34 (1.7%)	12 (0.6%)
1	1,399 (83.2%)	197 (11.7%)	57 (3.4%)	29 (1.7%)
4	1,129 (77.2%)	229 (15.7%)	91 (6.2%)	14 (1.0%)
5	3,717 (75.0%)	838 (16.9%)	326 (6.6%)	72 (1.5%)
2	576 (74.3%)	124 (16.0%)	55 (7.1%)	20 (2.6%)
Total	8,646 (79.6%)	1,504 (13.8%)	563 (5.2%)	147 (1.4%)

[*]The chi-squared p-value is 0

a.2) Aggregating proportions greater than 0%

Cluster ID/Children Deceased	0%	>0%
3[*]	1,825 (91.8%)	162 (8.2%)
1	1,399 (83.2%)	283 (16.8%)
4	1,129 (77.2%)	334 (22.8%)
5	3,717 (75.0%)	1,236 (25.0%)
2	576 (74.3%)	199 (25.7%)
Total	8,646 (79.6%)	2,214 (20.4%)

[*]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.
3[*][a]	728 (36.6%)	153 (7.7%)	102 (5.1%)	612 (30.8%)	123 (6.2%)	269 (13.5%)	2.03
1	913 (54.3%)	185 (11.0%)	82 (4.9%)	378 (22.5%)	58 (3.4%)	66 (3.9%)	1.22
4	1,100 (75.2%)	128 (8.7%)	51 (3.5%)	162 (11.1%)	5 (0.3%)	17 (1.2%)	0.56
5	4,100 (82.8%)	381 (7.7%)	121 (2.4%)	324 (6.5%)	18 (0.4%)	9 (0.2%)	0.35
2	679 (87.6%)	53 (6.8%)	15 (1.9%)	26 (3.4%)	0 (0.0%)	2 (0.3%)	0.22
Total	7,520 (69.2%)	900 (8.3%)	371 (3.4%)	1,502 (13.8%)	204 (1.9%)	363 (3.3%)	0.81

[*]The chi-squared p-value is 0

[a]0=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
3[*][a]	169 (54.0%)	142 (45.4%)	2 (0.6%)
1	109 (60.6%)	71 (39.4%)	0 (0.0%)
4	55 (63.2%)	32 (36.8%)	0 (0.0%)
2	45 (77.6%)	13 (22.4%)	0 (0.0%)
5	172 (77.8%)	49 (22.2%)	0 (0.0%)
Total	550 (64.0%)	307 (35.7%)	2 (0.2%)

[*]The chi-squared p-value is 0

[a]0=public/government, 1=private, 2=other