

Economic Clustering Summary Report: Gambia 2019

Data Summary

Country Code-year: GM19

Number of observations: 6544

Number of variables used: 32

Variable set used: 1

Variables used in the algorithm: hv206, hv207, hv208, hv209, hv210, hv211, hv212, hv225, hv227, hv237, hv243b, hv243c, hv243e, hv244, hv246, hv247, sh121b, sh121c, sh121d, sh121e, sh121f, sh121k, sh121l, sh121o, sh121p, sh121r, water, toilet, floor, roof, cookfuel, wall

Top 10 Variable Sets (Sorted by ASW)

Set	ASW	Var.1	Var.2	Var.3	Var.4
1	0.9511	has television	has dvd/vcd/ player	floor	roof
2	0.9503	has car/truck	has bed	floor	roof
3	0.9497	has car/truck	has a computer	floor	roof
4	0.949	has television	has satellite dish	floor	roof
5	0.9485	has a computer	has bed	floor	roof
6	0.9484	has bed	has clock	floor	roof
7	0.9484	has television	has bed	has dvd/vcd/ player	roof
8	0.948	has television	has bed	has satellite dish	roof
9	0.9477	has car/truck	has dvd/vcd/ player	floor	roof
10	0.9476	has car/truck	has clock	floor	roof

Marginal Distributions

Variable	Description	% in Top Sets	Distribution
hv208	has television	40%	Binary, 55% (1/yes)
hv212	has car/truck	40%	Binary, 13.2% (1/yes)
hv243e	has a computer	20%	Binary, 12.4% (1/yes)
sh121d	has bed	50%	Binary, 89.3% (1/yes)
sh121o	has dvd/vcd/ player	30%	Binary, 20.2% (1/yes)
sh121p	has satellite dish	20%	Binary, 42.7% (1/yes)
sh121r	has clock	20%	Binary, 16.5% (1/yes)
floor	floor	80%	Categorical, 0 (finished) = 89.4%, 1 (natural) = 10.6%, 2 (other) = 0%
roof	roof	100%	Categorical, 0 (finished) = 93.6%, 1 (natural) = 6.2%, 2 (rudimentary) = 0.2%

Cluster Configuration (Set #1)

Cluster	Group	has television	has dvd/vcd/ player	floor	roof	Proportion (%)
1	1	1		finished	finished	19.79
1	1	1		finished	natural	
1	1	1		natural	finished	
1	1	1		natural	natural	
2	0	0		natural	natural	4.23
2	1	0		natural	natural	
3	0	0		finished	finished	35.45
3	0	0		finished	natural	
3	0	0		finished	rudimentary	
3	0	0		other	finished	
3	0	1		finished	finished	
4	1	0		finished	finished	35.04
4	1	0		finished	natural	
4	1	0		finished	rudimentary	
4	1	0		natural	finished	
5	0	0		natural	finished	5.49
5	0	0		natural	rudimentary	

Validation Tables

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

Cluster ID/Children Deceased	0%	1-33%	34-66%	67+%
1*	2,534 (87.4%)	269 (9.3%)	66 (2.3%)	29 (1.0%)
4	3,630 (86.2%)	466 (11.1%)	95 (2.3%)	21 (0.5%)
3	2,892 (80.0%)	581 (16.1%)	109 (3.0%)	35 (1.0%)
5	472 (75.6%)	127 (20.4%)	22 (3.5%)	3 (0.5%)
2	382 (74.9%)	90 (17.6%)	33 (6.5%)	5 (1.0%)
Total	9,910 (83.6%)	1,533 (12.9%)	325 (2.7%)	93 (0.8%)

*The chi-squared p-value is 0

a.2) Aggregating proportions greater than 0%

Cluster ID/Children Deceased	0%	>0%
1*	2,534 (87.4%)	364 (12.6%)
4	3,630 (86.2%)	582 (13.8%)
3	2,892 (80.0%)	725 (20.0%)
5	472 (75.6%)	152 (24.4%)
2	382 (74.9%)	128 (25.1%)
Total	9,910 (83.6%)	1,951 (16.4%)

*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.
1 ^a	741 (25.6%)	331 (11.4%)	122 (4.2%)	1,075 (37.1%)	355 (12.2%)	274 (9.5%)	2.27
4	1,524 (36.2%)	493 (11.7%)	187 (4.4%)	1,352 (32.1%)	386 (9.2%)	270 (6.4%)	1.86
3	1,920 (53.1%)	471 (13.0%)	174 (4.8%)	843 (23.3%)	139 (3.8%)	70 (1.9%)	1.18
5	407 (65.2%)	85 (13.6%)	31 (5.0%)	94 (15.1%)	6 (1.0%)	1 (0.2%)	0.73
2	369 (72.4%)	64 (12.5%)	13 (2.5%)	58 (11.4%)	6 (1.2%)	0 (0.0%)	0.56
Total	4,961 (41.8%)	1,444 (12.2%)	527 (4.4%)	3,422 (28.9%)	892 (7.5%)	615 (5.2%)	1.64

*The 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
1 ^a	258 (72.7%)	96 (27.0%)	1 (0.3%)
4	384 (77.1%)	110 (22.1%)	4 (0.8%)
5	74 (88.1%)	10 (11.9%)	0 (0.0%)
3	367 (92.2%)	29 (7.3%)	2 (0.5%)
2	66 (95.7%)	3 (4.3%)	0 (0.0%)
Total	1,149 (81.8%)	248 (17.7%)	7 (0.5%)

*The chi-squared p-value is 0

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