

Economic Clustering Summary Report: Cameroon 2018

Data Summary

Country Code-year: CM18

Number of observations: 11710

Number of variables used: 32

Variable set used: 1

Variables used in the algorithm: hv206, hv207, hv208, hv209, hv211, hv225, hv227, hv230b, hv232, hv232y, hv237, hv243a, hv243b, hv244, hv246, hv247, hv252, sh121h, sh121j, sh121k, sh121l, sh121m, sh121o, sh121s, sh122h, sh123a, water, toilet, floor, roof, cookfuel, wall

Top 10 Variable Sets (Sorted by ASW)

Set	ASW	Var.1	Var.2	Var.3	Var.4
1	0.9476	has television	has mobile telephone	mixer	cable
2	0.9381	has television	has mobile telephone	cable	laptop computer
3	0.9319	has electricity	has television	mixer	cable
4	0.9301	has television	mixer	cable	roof
5	0.9245	has electricity	has television	cable	laptop computer
6	0.9222	has electricity	has mobile telephone	mixer	cable
7	0.9217	has television	has mobile telephone	has bank account	cable
8	0.9202	has television	cable	laptop computer	roof
9	0.9184	has electricity	has television	has mobile telephone	cable
10	0.9183	has television	has refrigerator	has mobile telephone	cable

Marginal Distributions

Variable	Description	% in Top Sets	Distribution
hv208	has television	90%	Binary, 52% (1/yes)
hv206	has electricity	40%	Binary, 64% (1/yes)
hv243a	has mobile telephone	60%	Binary, 85.6% (1/yes)
sh121m	mixer	40%	Binary, 12.7% (1/yes)
sh121o	cable	100%	Binary, 38.3% (1/yes)
hv209	has refrigerator	10%	Binary, 22.3% (1/yes)
hv247	has bank account	10%	Binary, 16.3% (1/yes)
sh122h	laptop computer	30%	Binary, 12.3% (1/yes)
roof	roof	20%	Categorical, 0 (finished) = 84.1%, 1 (natural) = 13.1%, 2 (other) = 0%, 3 (rudimentary) = 2.8%

Cluster Configuration (Set #1)

Cluster Group	has television	has mobile telephone	mixer	cable	Proportion (%)
1 0	1	1	1	1	11.32
1 1	0	1	1	1	
1 1	1	1	1	1	
2 1	0	0	0	0	13.97
2 1	0	1	1	0	
2 1	1	0	0	0	
2 1	1	1	1	0	
3 1	0	0	0	1	26.71
3 1	1	0	0	1	
4 0	1	0	0	0	35.68
4 0	1	0	0	1	
4 0	1	1	1	0	
5 0	0	0	0	0	12.32
5 0	0	1	1	0	

Validation Tables

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

Cluster ID/Children Deceased	0%	1-33%	34-66%	67+%
1*	1,638 (89.8%)	119 (6.5%)	55 (3.0%)	12 (0.7%)
3	3,364 (85.9%)	386 (9.9%)	132 (3.4%)	34 (0.9%)
2	1,833 (80.3%)	321 (14.1%)	105 (4.6%)	25 (1.1%)
4	3,966 (75.0%)	954 (18.1%)	288 (5.4%)	77 (1.5%)
5	926 (67.7%)	261 (19.1%)	135 (9.9%)	46 (3.4%)
Total	11,727 (79.9%)	2,041 (13.9%)	715 (4.9%)	194 (1.3%)

*The chi-squared p-value is 0

a.2) Aggregating proportions greater than 0%

Cluster ID/Children Deceased	0%	>0%
1*	1,638 (89.8%)	186 (10.2%)
3	3,364 (85.9%)	552 (14.1%)
2	1,833 (80.3%)	451 (19.7%)
4	3,966 (75.0%)	1,319 (25.0%)
5	926 (67.7%)	442 (32.3%)
Total	11,727 (79.9%)	2,950 (20.1%)

*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	48 (2.6%)	69 (3.8%)	134 (7.3%)	969 (53.1%)	177 (9.7%)	427 (23.4%)	3.34
3	243 (6.2%)	332 (8.5%)	592 (15.1%)	2,124 (54.2%)	251 (6.4%)	374 (9.6%)	2.75
2	273 (12.0%)	338 (14.8%)	393 (17.2%)	1,124 (49.2%)	60 (2.6%)	96 (4.2%)	2.28
4	1,603 (30.3%)	1,051 (19.9%)	880 (16.7%)	1,594 (30.2%)	62 (1.2%)	95 (1.8%)	1.57
5	600 (43.9%)	349 (25.5%)	163 (11.9%)	251 (18.3%)	3 (0.2%)	2 (0.1%)	1.06
Total	2,767 (18.9%)	2,139 (14.6%)	2,162 (14.7%)	6,062 (41.3%)	553 (3.8%)	994 (6.8%)	2.17

^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
1 ^a	113 (29.2%)	263 (68.0%)	11 (2.8%)
3	262 (34.8%)	483 (64.2%)	7 (0.9%)
2	138 (37.2%)	228 (61.5%)	5 (1.3%)
5	44 (39.3%)	66 (58.9%)	2 (1.8%)
4	247 (40.9%)	354 (58.6%)	3 (0.5%)
Total	804 (36.1%)	1,394 (62.6%)	28 (1.3%)

*The chi-squared p-value is 0

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