

Economic Clustering Summary Report: Togo 2013-14

Data Summary

Country Code-year: TG13

Number of observations: 9532

Number of variables used: 20

Variable set used: 1

Variables used in the algorithm: hv206, hv207, hv208, hv210, hv211, hv227, hv237, hv243a, hv243b, hv244, hv246, hv247, sh110d, sh110n, water, toilet, floor, roof, cookfuel, wall

Top 10 Variable Sets (Sorted by ASW)

Set	ASW	Var.1	Var.2	Var.3	Var.4
1	0.9165	has electricity	has television	has cd/dvd reader	roof
2	0.9151	has electricity	has television	has cd/dvd reader	floor
3	0.9141	has television	has cd/dvd reader	has a fan	floor
4	0.9127	has television	has cd/dvd reader	has a fan	roof
5	0.9123	has television	has mobile telephone	has cd/dvd reader	has a fan
6	0.9025	has electricity	has television	has a fan	roof
7	0.9016	has electricity	has television	has a fan	floor
8	0.9005	has electricity	has television	has mobile telephone	has cd/dvd reader
9	0.8865	has electricity	has television	has cd/dvd reader	has a fan
10	0.8843	has electricity	has television	has mobile telephone	has a fan

Marginal Distributions

Variable	Description	% in Top Sets	Distribution
hv206	has electricity	70%	Binary, 40.9% (1/yes)
hv208	has television	100%	Binary, 32.8% (1/yes)
sh110d	has cd/dvd reader	70%	Binary, 25.4% (1/yes)
hv243a	has mobile telephone	30%	Binary, 71.9% (1/yes)
sh110n	has a fan	70%	Binary, 20.3% (1/yes)
roof	roof	30%	Categorical, 0 (finished) = 82.7%, 1 (natural) = 0.8%, 2 (other) = 0.1%, 3 (rudimentary) = 16.4%
floor	floor	30%	Categorical, 0 (finished) = 85.5%, 1 (natural) = 14.4%, 2 (other) = 0%, 3 (rudimentary) = 0%

Cluster Configuration (Set #1)

Cluster Group	has electricity	has television	has cd/dvd reader	roof	Proportion (%)
1	1	1	0	NA	7.14
1	1	1	0	finished	
1	1	1	0	natural	
1	1	1	0	rudimentary	
2	1	0	0	NA	10.11
2	1	0	0	finished	
2	1	0	0	natural	
3	0	0	0	finished	41.36
3	0	0	0	natural	
3	0	0	0	other	
3	0	0	1	finished	
3	0	1	0	finished	
3	0	1	0	natural	
3	NA	0	0	finished	
4	0	1	1	finished	25.21
4	0	1	1	natural	
4	0	1	1	rudimentary	
4	1	0	1	finished	
4	1	1	1	NA	
4	1	1	1	finished	
4	1	1	1	other	
4	1	1	1	rudimentary	
4	1	1	NA	finished	
4	NA	1	1	finished	

Cluster Group	has electricity	has television	has cd/dvd reader	roof	Proportion (%)
5	0	0	0	rudimentary	16.18
5	0	0	1	rudimentary	
5	0	1	0	rudimentary	
5	1	0	0	rudimentary	
5	NA	0	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*	663 (90.5%)	44 (6.0%)	18 (2.5%)	8 (1.1%)
4	2,357 (89.0%)	194 (7.3%)	79 (3.0%)	19 (0.7%)
2	648 (82.5%)	99 (12.6%)	29 (3.7%)	9 (1.1%)
3	2,807 (72.5%)	753 (19.5%)	265 (6.8%)	46 (1.2%)
5	965 (68.0%)	348 (24.5%)	92 (6.5%)	14 (1.0%)
Total	7,440 (78.7%)	1,438 (15.2%)	483 (5.1%)	96 (1.0%)

*The chi-squared p-value is 0

a.2) Aggregating proportions greater than 0%

Cluster ID/Children Deceased	0%	>0%
1*	663 (90.5%)	70 (9.5%)
4	2,357 (89.0%)	292 (11.0%)
2	648 (82.5%)	137 (17.5%)
3	2,807 (72.5%)	1,064 (27.5%)
5	965 (68.0%)	454 (32.0%)
Total	7,440 (78.7%)	2,017 (21.3%)

*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.
4 ^a	432 (16.3%)	585 (22.1%)	233 (8.8%)	1,121 (42.3%)	90 (3.4%)	188 (7.1%)	2.16
1	108 (14.7%)	177 (24.1%)	65 (8.9%)	320 (43.7%)	23 (3.1%)	40 (5.5%)	2.13
2	173 (22.0%)	227 (28.9%)	66 (8.4%)	290 (36.9%)	6 (0.8%)	23 (2.9%)	1.74
3	1,765 (45.6%)	1,068 (27.6%)	227 (5.9%)	790 (20.4%)	8 (0.2%)	13 (0.3%)	1.03
5	912 (64.3%)	286 (20.2%)	66 (4.7%)	154 (10.9%)	1 (0.1%)	0 (0.0%)	0.62
Total	3,390 (35.8%)	2,343 (24.8%)	657 (6.9%)	2,675 (28.3%)	128 (1.4%)	264 (2.8%)	1.43

*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	53 (33.8%)	103 (65.6%)	1 (0.6%)
4	191 (37.5%)	315 (61.8%)	4 (0.8%)
2	71 (43.6%)	92 (56.4%)	0 (0.0%)
3	448 (76.8%)	135 (23.2%)	0 (0.0%)
5	140 (87.0%)	21 (13.0%)	0 (0.0%)
Total	903 (57.4%)	666 (42.3%)	5 (0.3%)

*The chi-squared p-value is 0

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