Economic Clustering Summary Report: Mozambique 2011

Data Summary

Country Code-year: MZ11

Number of observations: 13699

Number of variables used: 19

Variable set used: 1

Variables used in the algorithm: hv206, hv207, hv208, hv209, hv210, hv227, hv237, hv243a, hv243b, hv244, hv246, hv247, hv253, water, toilet, floor, roof, cookfuel, wall

Top 10 Variable Sets (Sorted by ASW)

Set	ASW	Var.1	Var.2	Var.3	Var.4
1	0.9141	Has electricity	Has television	Has refrigerator	Has mobile telephone
2	0.9031	Has electricity	Has television	Has refrigerator	roof
3	0.8886	Has television	Has refrigerator	Anything done to water to make safe to drink	Has mobile telephone
4	0.8805	Has electricity	Has television	Has mobile telephone	roof
5	0.8793	Has electricity	Has television	Has refrigerator	Anything done to water to make safe to drink
6	0.8779	Has television	Has refrigerator	Has mobile telephone	roof
7	0.8752	Has electricity	Has radio	Has television	Has refrigerator
8	0.875	Has electricity	Has refrigerator	Anything done to water to make safe to drink	Has mobile telephone
9	0.8741	Has electricity	Has television	Has refrigerator	Has bicycle
10	0.8733	Has electricity	Has television	Has mobile telephone	Has bank account

Marginal Distributions

Variable	Description	% in Top Sets	Distribution
hv206	Has electricity	80%	Binary, 25.6% (1/yes)
hv208	Has television	90%	Binary, 24.5% (1/yes)
hv209	Has refrigerator	80%	Binary, 15.4% (1/yes)
hv207	Has radio	10%	Binary, 52.5% (1/yes)
hv237	Anything done to water to make safe to drink	30%	Binary, 12% (1/yes)
hv243a	Has mobile telephone	60%	Binary, 42.8% (1/yes)
roof	roof	30%	Categorical, 0 (finished) = 40.3%, 1 (natural) = 59.4%, 2 (other) = 0.3%
hv210	Has bicycle	10%	Binary, 34.7% (1/yes)
hv247	Has bank account	10%	Binary, 20% (1/yes)

Cluster Configuration (Set #1)

Cluster Group	Has electricity	Has television	Has refrigerator	Has mobile telephone	Proportion (%)
1	0	0	0	1	18.96
1	0	0	1	1	
1	0	1	0	1	
2	1	0	0	1	2.56
3	0	1	1	1	15.17
3	1	0	1	1	
3	1	1	1	0	
3	1	1	1	1	
4	0	0	0	0	56.22
4	0	0	1	0	
4	0	1	0	0	
4	0	1	1	0	
4	1	0	0	0	
4	1	0	1	0	
5	1	1	0	0	7.08
5	1	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*	2,526 (87.3%)	225 (7.8%)	99 (3.4%)	43 (1.5%)
2	296 (81.5%)	43 (11.8%)	20 (5.5%)	4 (1.1%)
5	967 (81.0%)	138 (11.6%)	64 (5.4%)	25 (2.1%)
1	2,125 (77.2%)	368 (13.4%)	196 (7.1%)	64 (2.3%)
4	4,481 (70.9%)	1,071 (16.9%)	567 (9.0%)	205 (3.2%)
Total	10,395 (76.8%)	1,845 (13.6%)	946 (7.0%)	341 (2.5%)

*The chi-squared p-value is 0

a.2) Aggregating proportions greater than 0%

Cluster ID/Children Deceased	0%	>0%
3*	2,526 (87.3%)	367 (12.7%)
2	296 (81.5%)	67 (18.5%)
5	967 (81.0%)	227 (19.0%)
1	2,125 (77.2%)	628 (22.8%)
4	4,481 (70.9%)	1,843 (29.1%)
Total	10,395 (76.8%)	3,132 (23.2%)

*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]	107 (3.7%)	741 (25.6%)	408 (14.1%)	1,145 (39.6%)	298 (10.3%)	194 (6.7%)	2.47
5	126 (10.6%)	487 (40.8%)	169 (14.2%)	374 (31.3%)	37 (3.1%)	1 (0.1%)	1.76
2	51 (14.0%)	171 (47.1%)	49 (13.5%)	80 (22.0%)	10 (2.8%)	2 (0.6%)	1.54
1	623 (22.6%)	1,389 (50.5%)	287 (10.4%)	421 (15.3%)	33 (1.2%)	0 (0.0%)	1.22
4	2,842 (44.9%)	2,972 (47.0%)	281 (4.4%)	225 (3.6%)	4 (0.1%)	0 (0.0%)	0.67
Total	3,749 (27.7%)	5,760 (42.6%)	1,194 (8.8%)	2,245 (16.6%)	382 (2.8%)	197 (1.5%)	1.29

[*]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]	562 (60.3%)	357 (38.3%)	13 (1.4%)
2	48 (71.6%)	19 (28.4%)	0 (0.0%)
5	217 (72.6%)	79 (26.4%)	3 (1.0%)
1	333 (84.7%)	59 (15.0%)	1 (0.3%)
4	299 (90.3%)	29 (8.8%)	3 (0.9%)
Total	1,459 (72.2%)	543 (26.9%)	20 (1.0%)

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

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