Economic Clustering Summary Report: Comoros 2012

Data Summary

Country Code-year: KM12

Number of observations: 4355

Number of variables used: 21

Variable set used: 1

Variables used in the algorithm: hv206, hv207, hv208, hv209, hv212, hv221, hv225, 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	0.8835	Has electricity	Has television	Has refrigerator	Has telephone (land-line)
2	0.8778	Has electricity	Has television	Has refrigerator	Has car/truck
3	0.8683	Has electricity	Has television	Has car/truck	Has telephone (land-line)
4	0.8533	Has electricity	Has television	Has telephone (land-line)	roof
5	0.8447	Has electricity	Has television	Has refrigerator	roof
6	0.8435	Has electricity	Has television	Has car/truck	roof
7	0.8376	Has television	Has refrigerator	Has telephone (land-line)	Has mobile telephone
8	0.8372	Has electricity	Has car/truck	Has telephone (land-line)	Has mobile telephone
9	0.8337	Has electricity	Has car/truck	Has telephone (land-line)	Share toilet with other households
10	0.8334	Has electricity	Has television	Has telephone (land-line)	Has mobile telephone

Marginal Distributions

Variable	Description	% in Top Sets	Distribution
hv206	Has electricity	90%	Binary, 70.9% (1/yes)
hv208	Has television	80%	Binary, 61.5% (1/yes)
hv209	Has refrigerator	40%	Binary, 29.7% (1/yes)
hv212	Has car/truck	50%	Binary, 12.2% (1/yes)
hv221	Has telephone (land-line)	70%	Binary, 13.3% (1/yes)
roof	roof	30%	Categorical, 0 (finished) = 86.8%, 1 (natural) = 11.1%, 2 (other) = 0.5%, 3 (rudimentary) = 1.6%
hv243a	Has mobile telephone	30%	Binary, 76.1% (1/yes)
hv225	Share toilet with other households	10%	Binary, 21.6% (1/yes)

Cluster Configuration (Set #1)

Cluster Group	Has electricity	Has television	Has refrigerator	Has telephone (land-line)	Proportion (%)
1	0	0	0	0	27.16
1	0	0	0	1	
1	0	0	1	0	
1	0	0	1	1	
2	0	1	0	0	33.39
2	0	1	0	1	
2	1	1	0	0	
2	1	1	0	1	
3	1	0	0	0	9.94
3	1	0	0	1	
4	1	0	1	1	10.08
4	1	1	1	1	
5	0	1	1	0	19.43
5	1	0	1	0	
5	1	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+%
4*	558 (95.9%)	19 (3.3%)	2 (0.3%)	3 (0.5%)
5	1,060 (92.4%)	62 (5.4%)	21 (1.8%)	4 (0.3%)
2	1,666 (91.4%)	130 (7.1%)	23 (1.3%)	4 (0.2%)
3	390 (90.9%)	25 (5.8%)	12 (2.8%)	2 (0.5%)
1	1,037 (86.1%)	136 (11.3%)	20 (1.7%)	11 (0.9%)
Total	4,711 (90.9%)	372 (7.2%)	78 (1.5%)	24 (0.5%)

*The chi-squared p-value is 0

a.2) Aggregating proportions greater than 0%

Cluster ID/Children Deceased	0%	>0%
4*	558 (95.9%)	24 (4.1%)
5	1,060 (92.4%)	87 (7.6%)
2	1,666 (91.4%)	157 (8.6%)
3	390 (90.9%)	39 (9.1%)
1	1,037 (86.1%)	167 (13.9%)
Total	4,711 (90.9%)	474 (9.1%)

*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.
4*[a]	64 (11.0%)	48 (8.2%)	21 (3.6%)	275 (47.3%)	56 (9.6%)	118 (20.3%)	2.97
5	166 (14.5%)	150 (13.1%)	67 (5.8%)	499 (43.5%)	95 (8.3%)	170 (14.8%)	2.63
2	506 (27.8%)	259 (14.2%)	124 (6.8%)	650 (35.7%)	108 (5.9%)	176 (9.7%)	2.07
3	130 (30.3%)	56 (13.1%)	26 (6.1%)	152 (35.4%)	29 (6.8%)	36 (8.4%)	2.00
1	632 (52.5%)	177 (14.7%)	70 (5.8%)	257 (21.3%)	37 (3.1%)	31 (2.6%)	1.16
Total	1,498 (28.9%)	690 (13.3%)	308 (5.9%)	1,833 (35.4%)	325 (6.3%)	531 (10.2%)	2.08

*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
4*[a]	30 (71.4%)	4 (9.5%)	8 (19.0%)
5	126 (84.6%)	7 (4.7%)	16 (10.7%)
1	79 (88.8%)	5 (5.6%)	5 (5.6%)
2	152 (88.9%)	8 (4.7%)	11 (6.4%)
3	34 (89.5%)	2 (5.3%)	2 (5.3%)
Total	421 (86.1%)	26 (5.3%)	42 (8.6%)

*The chi-squared p-value is 0.037

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