

Economic Clustering Summary Report: Namibia 2013

Data Summary

Country Code-year: NM13

Number of observations: 9573

Number of variables used: 26

Variable set used: 1

Variables used in the algorithm: hv206, hv207, hv208, hv209, hv210, hv212, hv227, hv243a, hv243b, hv244, hv246, hv247, hv253, sh110g, sh110h, sh110i, sh110k, sh110l, sh110n, sh110o, water, toilet, floor, roof, cookfuel, wall

Top 10 Variable Sets (Sorted by ASW)

Set	ASW	Var.1	Var.2	Var.3	Var.4
1	0.9016	has electricity	has refrigerator	has mobile telephone	microwave
2	0.8885	has electricity	has refrigerator	has mobile telephone	computer/laptop
3	0.8848	has refrigerator	has mobile telephone	computer/laptop	microwave
4	0.8822	has mobile telephone	computer/laptop	stove	microwave
5	0.8809	has refrigerator	has mobile telephone	has bank account	microwave
6	0.8794	has refrigerator	has mobile telephone	stove	microwave
7	0.8771	has electricity	has mobile telephone	computer/laptop	microwave
8	0.8768	has mobile telephone	has bank account	stove	microwave
9	0.876	has refrigerator	has mobile telephone	microwave	floor
10	0.8753	has television	has refrigerator	has mobile telephone	microwave

Marginal Distributions

Variable	Description	% in Top Sets	Distribution
hv206	has electricity	30%	Binary, 48.5% (1/yes)
hv209	has refrigerator	70%	Binary, 41.6% (1/yes)
hv243a	has mobile telephone	100%	Binary, 87.2% (1/yes)
hv208	has television	10%	Binary, 43.7% (1/yes)
sh110g	computer/laptop	40%	Binary, 18.8% (1/yes)
hv247	has bank account	20%	Binary, 73.6% (1/yes)
sh110h	stove	30%	Binary, 46.8% (1/yes)
sh110i	microwave	90%	Binary, 23.9% (1/yes)
floor	floor	10%	Categorical, 0 (finished) = 60.2%, 1 (natural) = 38.9%, 2 (other) = 0.5%, 3 (rudimentary) = 0.5%

Cluster Configuration (Set #1)

Cluster Group	has electricity	has refrigerator	has mobile telephone	microwave	Proportion (%)
1	0	0	0	0	11.90
1	0	0	0	1	
1	0	1	0	0	
1	1	0	0	0	
2	1	0	1	0	7.90
2	1	0	1	NA	
3	1	1	0	0	15.98
3	1	1	1	0	
3	1	NA	0	0	
3	1	NA	1	0	
4	0	0	1	0	40.51
4	0	0	1	1	
4	0	0	NA	0	
4	0	1	1	0	
4	0	NA	NA	NA	
4	NA	NA	NA	NA	
5	0	1	0	1	23.71
5	0	1	1	1	
5	1	0	0	1	
5	1	0	1	1	
5	1	1	0	1	
5	1	1	1	1	

Validation Tables

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

Cluster ID/Children Deceased	0%	1-33%	34-66%	67+%
5*	2,404 (95.7%)	65 (2.6%)	31 (1.2%)	13 (0.5%)
3	1,596 (92.1%)	84 (4.8%)	34 (2.0%)	19 (1.1%)
2	607 (90.7%)	42 (6.3%)	13 (1.9%)	7 (1.0%)
4	3,659 (89.1%)	303 (7.4%)	109 (2.7%)	36 (0.9%)
1	604 (83.2%)	80 (11.0%)	30 (4.1%)	12 (1.7%)
Total	8,870 (91.0%)	574 (5.9%)	217 (2.2%)	87 (0.9%)

*The chi-squared p-value is 0

a.2) Aggregating proportions greater than 0%

Cluster ID/Children Deceased	0%	>0%
5*	2,404 (95.7%)	109 (4.3%)
3	1,596 (92.1%)	137 (7.9%)
2	607 (90.7%)	62 (9.3%)
4	3,659 (89.1%)	448 (10.9%)
1	604 (83.2%)	122 (16.8%)
Total	8,870 (91.0%)	878 (9.0%)

*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.
5 ^a	32 (1.3%)	137 (5.5%)	65 (2.6%)	1,044 (41.5%)	737 (29.3%)	498 (19.8%)	3.52
3	77 (4.4%)	192 (11.1%)	118 (6.8%)	897 (51.8%)	323 (18.6%)	126 (7.3%)	2.91
2	74 (11.1%)	117 (17.5%)	59 (8.8%)	348 (52.0%)	61 (9.1%)	10 (1.5%)	2.35
4	355 (8.6%)	901 (21.9%)	349 (8.5%)	2,074 (50.5%)	347 (8.4%)	81 (2.0%)	2.34
1	169 (23.3%)	256 (35.3%)	59 (8.1%)	214 (29.5%)	22 (3.0%)	6 (0.8%)	1.56
Total	707 (7.3%)	1,603 (16.4%)	650 (6.7%)	4,577 (47.0%)	1,490 (15.3%)	721 (7.4%)	2.69

*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
5 ^a	710 (58.0%)	490 (40.0%)	24 (2.0%)
3	697 (81.3%)	138 (16.1%)	22 (2.6%)
4	1,474 (86.2%)	195 (11.4%)	40 (2.3%)
2	306 (88.7%)	34 (9.9%)	5 (1.4%)
1	236 (91.1%)	20 (7.7%)	3 (1.2%)
Total	3,423 (77.9%)	877 (20.0%)	94 (2.1%)

*The chi-squared p-value is 0

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