

Economic Clustering Summary Report: Angola 2015

Data Summary

Country Code-year: AO15

Number of observations: 15857

Number of variables used: 21

Variable set used: 1

Variables used in the algorithm: hv206, hv207, hv208, hv209, hv211, hv212, hv227, hv237, hv237a, hv243a, hv243e, hv244, hv246, hv247, sh121g, water, toilet, floor, roof, cookfuel, wall

Top 10 Variable Sets (Sorted by ASW)

Set	ASW	Var.1	Var.2	Var.3	Var.4
1	0.9451	has television	has refrigerator	has a computer	roof
2	0.9423	has television	has refrigerator	has car/truck	roof
3	0.9372	has television	has refrigerator	has internet	roof
4	0.9244	has refrigerator	has a computer	floor	roof
5	0.9212	has refrigerator	has car/truck	floor	roof
6	0.916	has refrigerator	has internet	floor	roof
7	0.9039	has electricity	has television	has a computer	roof
8	0.9033	has television	has refrigerator	water usually treated by: boil	roof
9	0.9004	has television	has refrigerator	has mobile telephone	has a computer
10	0.8992	has a computer	has internet	floor	roof

Marginal Distributions

Variable	Description	% in Top Sets	Distribution
hv208	has television	60%	Binary, 43.2% (1/yes)
hv209	has refrigerator	80%	Binary, 27.1% (1/yes)
hv206	has electricity	10%	Binary, 33.7% (1/yes)
hv243e	has a computer	50%	Binary, 9.3% (1/yes)
hv212	has car/truck	20%	Binary, 7.8% (1/yes)
sh121g	has internet	30%	Binary, 10.6% (1/yes)
floor	floor	40%	Categorical, 0 (finished) = 39.6%, 1 (natural) = 59.8%, 2 (other) = 0.4%, 3 (rudimentary) = 0.1%
hv237a	water usually treated by: boil	10%	Binary, 8.6% (1/yes)
hv243a	has mobile telephone	10%	Binary, 56.6% (1/yes)
roof	roof	90%	Categorical, 0 (finished) = 84.7%, 1 (natural) = 14.1%, 2 (other) = 0.5%, 3 (rudimentary) = 0.7%

Cluster Configuration (Set #1)

Cluster Group	has television	has refrigerator	has a computer	roof	Proportion (%)
1	0	1	1	finished	8.44
1	0	1	1	rudimentary	
1	1	1	1	finished	
1	1	1	1	natural	
1	1	1	1	other	
1	1	1	1	rudimentary	13.53
2	0	0	0	natural	
2	0	1	0	natural	16.94
3	1	0	0	finished	
3	1	0	0	natural	
3	1	0	0	other	
3	1	0	0	rudimentary	
3	1	0	1	finished	
3	1	0	1	natural	
3	1	0	1	rudimentary	43.19
4	0	0	0	finished	
4	0	0	0	other	
4	0	0	0	rudimentary	
4	0	0	1	finished	
4	0	1	0	finished	
4	0	1	0	rudimentary	
5	1	1	0	finished	17.90
5	1	1	0	natural	
5	1	1	0	other	

Cluster Group	has television	has refrigerator	has a computer	roof	Proportion (%)
5	1	1	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*	1,451 (91.3%)	102 (6.4%)	28 (1.8%)	9 (0.6%)
5	2,817 (85.7%)	309 (9.4%)	132 (4.0%)	28 (0.9%)
3	2,111 (82.5%)	298 (11.6%)	114 (4.5%)	37 (1.4%)
2	1,293 (80.1%)	200 (12.4%)	98 (6.1%)	24 (1.5%)
4	4,039 (78.7%)	701 (13.7%)	312 (6.1%)	81 (1.6%)
Total	11,711 (82.6%)	1,610 (11.4%)	684 (4.8%)	179 (1.3%)

*The chi-squared p-value is 0

a.2) Aggregating proportions greater than 0%

Cluster ID/Children Deceased	0%	>0%
1*	1,451 (91.3%)	139 (8.7%)
5	2,817 (85.7%)	469 (14.3%)
3	2,111 (82.5%)	449 (17.5%)
2	1,293 (80.1%)	322 (19.9%)
4	4,039 (78.7%)	1,094 (21.3%)
Total	11,711 (82.6%)	2,473 (17.4%)

*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	45 (2.8%)	128 (8.1%)	53 (3.3%)	727 (45.7%)	320 (20.1%)	317 (19.9%)	3.32
5	308 (9.4%)	726 (22.1%)	242 (7.4%)	1,550 (47.2%)	363 (11.0%)	97 (3.0%)	2.37
3	593 (23.2%)	886 (34.6%)	205 (8.0%)	771 (30.1%)	87 (3.4%)	18 (0.7%)	1.58
4	2,142 (41.7%)	1,923 (37.5%)	280 (5.5%)	713 (13.9%)	63 (1.2%)	12 (0.2%)	0.96
2	892 (55.2%)	503 (31.1%)	69 (4.3%)	142 (8.8%)	9 (0.6%)	0 (0.0%)	0.68
Total	3,980 (28.1%)	4,166 (29.4%)	849 (6.0%)	3,903 (27.5%)	842 (5.9%)	444 (3.1%)	1.63

*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	141 (40.2%)	208 (59.3%)	2 (0.6%)
5	236 (42.0%)	321 (57.1%)	5 (0.9%)
3	96 (45.9%)	110 (52.6%)	3 (1.4%)
4	80 (46.5%)	88 (51.2%)	4 (2.3%)
2	10 (50.0%)	7 (35.0%)	3 (15.0%)
Total	563 (42.8%)	734 (55.9%)	17 (1.3%)

*The chi-squared p-value is 0

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