

Economic Clustering Summary Report: Zimbabwe 2015

Data Summary

Country Code-year: ZW15

Number of observations: 10356

Number of variables used: 34

Variable set used: 1

Variables used in the algorithm: hv201a, hv206, hv207, hv208, hv209, hv210, hv212, hv227, hv230b, hv237, hv243a, hv243b, hv243c, hv243e, hv244, hv246, hv247, hv253, sh121g, sh121h, sh121i, sh121j, sh121k, sh121l, sh121m, sh121n, sh121q, sh121r, water, toilet, floor, roof, cookfuel, wall

Top 10 Variable Sets (Sorted by ASW)

Set	ASW	Var.1	Var.2	Var.3	Var.4
1	0.9285	has television	has mobile telephone	has a computer	dish / decoder
2	0.9276	has electricity	has refrigerator	has a computer	roof
3	0.9259	has electricity	has refrigerator	has mobile telephone	has a computer
4	0.9253	has electricity	has refrigerator	has a computer	floor
5	0.9215	has television	has refrigerator	has mobile telephone	has a computer
6	0.9214	has television	has a computer	dish / decoder	bed
7	0.9176	has electricity	has refrigerator	has a computer	bed
8	0.9146	has television	has refrigerator	has a computer	bed
9	0.9122	has refrigerator	has a computer	wardrobe	bed
10	0.9099	has a computer	wardrobe	dish / decoder	bed

Marginal Distributions

Variable	Description	% in Top Sets	Distribution
hv208	has television	40%	Binary, 42.1% (1/yes)
hv206	has electricity	40%	Binary, 39.7% (1/yes)
hv209	has refrigerator	70%	Binary, 29.6% (1/yes)
hv243e	has a computer	100%	Binary, 12.2% (1/yes)
hv243a	has mobile telephone	30%	Binary, 88.1% (1/yes)
sh121m	wardrobe	20%	Binary, 60.3% (1/yes)
sh121n	dish / decoder	30%	Binary, 27.6% (1/yes)
roof	roof	10%	Categorical, 0 (finished) = 75.2%, 1 (natural) = 24.5%, 2 (other) = 0.1%, 3 (rudimentary) = 0.2%
floor	floor	10%	Categorical, 0 (finished) = 76.5%, 1 (natural) = 22.6%, 2 (other) = 0.2%, 3 (rudimentary) = 0.7%
sh121r	bed	50%	Binary, 81.5% (1/yes)

Cluster Configuration (Set #1)

Cluster Group	has television	has mobile telephone	has a computer	dish / decoder	Proportion (%)
1	0	1	1	1	9.65
1	1	0	1	1	
1	1	1	1	1	
2	1	0	0	0	16.48
2	1	0	1	0	
2	1	1	0	0	
2	1	1	1	0	
3	1	0	0	1	16.40
3	1	1	0	1	
4	0	1	0	0	46.65
4	0	1	0	1	
4	0	1	1	0	
5	0	0	0	0	10.82
5	0	0	0	1	
5	0	0	1	0	

Validation Tables

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

Cluster ID/Children Deceased	0%	1-33%	34-66%	67+%
1*	1,170 (94.7%)	37 (3.0%)	24 (1.9%)	4 (0.3%)
3	1,757 (91.1%)	121 (6.3%)	40 (2.1%)	10 (0.5%)
2	1,481 (88.8%)	108 (6.5%)	61 (3.7%)	18 (1.1%)
4	3,604 (84.7%)	443 (10.4%)	170 (4.0%)	38 (0.9%)
5	570 (80.1%)	101 (14.2%)	35 (4.9%)	6 (0.8%)
Total	8,582 (87.6%)	810 (8.3%)	330 (3.4%)	76 (0.8%)

*The chi-squared p-value is 0

a.2) Aggregating proportions greater than 0%

Cluster ID/Children Deceased	0%	>0%
1*	1,170 (94.7%)	65 (5.3%)
3	1,757 (91.1%)	171 (8.9%)
2	1,481 (88.8%)	187 (11.2%)
4	3,604 (84.7%)	651 (15.3%)
5	570 (80.1%)	142 (19.9%)
Total	8,582 (87.6%)	1,216 (12.4%)

*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	2 (0.2%)	16 (1.3%)	55 (4.5%)	684 (55.4%)	61 (4.9%)	417 (33.8%)	3.65
3	6 (0.3%)	63 (3.3%)	122 (6.3%)	1,470 (76.2%)	57 (3.0%)	210 (10.9%)	3.11
2	17 (1.0%)	126 (7.6%)	226 (13.5%)	1,207 (72.4%)	24 (1.4%)	68 (4.1%)	2.78
4	46 (1.1%)	577 (13.6%)	793 (18.6%)	2,701 (63.5%)	30 (0.7%)	108 (2.5%)	2.57
5	34 (4.8%)	220 (30.9%)	163 (22.9%)	293 (41.2%)	0 (0.0%)	2 (0.3%)	2.02
Total	105 (1.1%)	1,002 (10.2%)	1,359 (13.9%)	6,355 (64.9%)	172 (1.8%)	805 (8.2%)	2.81

^aThe 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	247 (45.4%)	296 (54.4%)	1 (0.2%)
3	537 (57.1%)	402 (42.7%)	2 (0.2%)
2	614 (71.8%)	238 (27.8%)	3 (0.4%)
4	1,700 (83.3%)	339 (16.6%)	3 (0.1%)
5	296 (90.0%)	33 (10.0%)	0 (0.0%)
Total	3,394 (72.0%)	1,308 (27.8%)	9 (0.2%)

*The chi-squared p-value is 0

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