Economic Clustering Summary Report: Tanzania 2022

Data Summary

Country Code-year: TZ22

Number of observations: 15660

Number of variables used: 29

Variable set used: 1

Variables used in the algorithm: hv201b, hv206, hv207, hv208, hv209, hv210, hv211, hv225, hv227, hv237, hv243a, hv243b, hv244, hv246, hv247, hv263, sh132h, sh132i, sh132j, sh132k, sh132l, sh132m, sh132q, water, toilet, floor, roof, cookfuel, wall

Top 10 Variable Sets (Sorted by ASW)

Set	ASW	Var.1	Var.2	Var.3	Var.4
1	0.9076	has television	has refrigerator	bed	cd/dvd player
2	0.9046	has television	has refrigerator	has mobile telephone	cd/dvd player
3	0.9024	has television	has mobile telephone	mobile phone used financial transactions	cd/dvd player
4	0.9018	has television	has refrigerator	has mobile telephone	mobile phone used financial transactions
5	0.899	has television	has mobile telephone	bed	cd/dvd player
6	0.8989	has television	has refrigerator	has mobile telephone	bed
7	0.8982	has refrigerator	has mobile telephone	mobile phone used financial transactions	iron (charcoal or electrical)
8	0.8968	has electricity	has television	bed	cd/dvd player
9	0.8954	has refrigerator	has mobile telephone	iron (charcoal or electrical)	bed
10	0.8945	has electricity	has television	has refrigerator	bed

Marginal Distributions

Variable	Description	% in Top Sets	Distribution
hv208	has television	80%	Binary, 28.3% (1/yes)
hv209	has refrigerator	70%	Binary, 11% (1/yes)
hv206	has electricity	20%	Binary, 38% (1/yes)
hv243a	has mobile telephone	70%	Binary, 83.8% (1/yes)
sh132l	bed	60%	Binary, 86.1% (1/yes)
hv263	mobile phone used financial transactions	30%	Binary, 63.6% (1/yes)
sh132h	iron (charcoal or electrical)	20%	Binary, 26.8% (1/yes)
sh132q	cd/dvd player	50%	Binary, 13.2% (1/yes)

Cluster Configuration (Set #1)

Cluster Group	has television	has refrigerator	bed	cd/dvd player	Proportion (%)
1	1	0	0	0	15.70
1	1	0	1	0	
1	1	1	0	0	
1	1	1	1	0	
2	0	1	1	1	5.68
2	1	1	0	1	
2	1	1	1	1	
3	0	0	0	0	13.45
3	0	0	0	1	
3	0	1	0	0	
3	0	1	0	1	
4	1	0	0	1	7.03
4	1	0	1	1	
5	0	0	1	0	58.14
5	0	0	1	1	
5	0	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+%
2*	1,118 (93.2%)	63 (5.3%)	14 (1.2%)	4 (0.3%)
1	2,480 (89.3%)	196 (7.1%)	76 (2.7%)	25 (0.9%)
4	1,124 (88.2%)	113 (8.9%)	29 (2.3%)	9 (0.7%)
5	7,133 (85.4%)	916 (11.0%)	247 (3.0%)	60 (0.7%)
3	1,359 (84.5%)	197 (12.2%)	46 (2.9%)	7 (0.4%)
Total	13,214 (86.8%)	1,485 (9.8%)	412 (2.7%)	105 (0.7%)

*The chi-squared p-value is 0

a.2) Aggregating proportions greater than 0%

Cluster ID/Children Deceased	0%	>0%
2*	1,118 (93.2%)	81 (6.8%)
1	2,480 (89.3%)	297 (10.7%)
4	1,124 (88.2%)	151 (11.8%)
5	7,133 (85.4%)	1,223 (14.6%)
3	1,359 (84.5%)	250 (15.5%)
Total	13,214 (86.8%)	2,002 (13.2%)

*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.
2[*][a]	41 (3.4%)	43 (3.6%)	283 (23.6%)	226 (18.8%)	529 (44.1%)	77 (6.4%)	3.16
4	68 (5.3%)	67 (5.3%)	478 (37.5%)	251 (19.7%)	398 (31.2%)	13 (1.0%)	2.69
1	197 (7.1%)	141 (5.1%)	1,047 (37.7%)	474 (17.1%)	827 (29.8%)	91 (3.3%)	2.67
5	1,520 (18.2%)	954 (11.4%)	3,542 (42.4%)	1,259 (15.1%)	1,048 (12.5%)	33 (0.4%)	1.94
3	557 (34.6%)	204 (12.7%)	635 (39.5%)	123 (7.6%)	87 (5.4%)	3 (0.2%)	1.37
Total	2,383 (15.7%)	1,409 (9.3%)	5,985 (39.3%)	2,333 (15.3%)	2,889 (19.0%)	217 (1.4%)	2.17

[*]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
2[*][a]	150 (64.7%)	29 (12.5%)	53 (22.8%)
4	235 (74.6%)	17 (5.4%)	63 (20.0%)
1	541 (76.2%)	49 (6.9%)	120 (16.9%)
5	1,600 (81.8%)	136 (6.9%)	221 (11.3%)
3	280 (85.6%)	15 (4.6%)	32 (9.8%)
Total	2,806 (79.2%)	246 (6.9%)	489 (13.8%)

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

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