

Economic Clustering Summary Report: Kenya 2022

Data Summary

Country Code-year: KE22

Number of observations: 37838

Number of variables used: 27

Variable set used: 1

Variables used in the algorithm: hv201b, hv206, hv207, hv208, hv210, hv211, hv227, hv237, hv243b, hv244, hv246, hv247, hv263, sh131a, sh132g, sh132h, sh132i, sh132j, sh132l, sh132m, sh132o, water, toilet, floor, roof, cookfuel, wall

Top 10 Variable Sets (Sorted by ASW)

Set	ASW	Var.1	Var.2	Var.3	Var.4
1	0.9268	has television	mobile phone used financial transactions	household has a dvd player	roof
2	0.9097	household has a table	household has a clock	household has a dvd player	roof
3	0.9093	household has a table	household has a chair	household has a clock	roof
4	0.9068	mobile phone used financial transactions	household has a clock	household has a dvd player	roof
5	0.9055	has television	mobile phone used financial transactions	household has a clock	roof
6	0.9054	household has a table	household has a chair	household has a dvd player	roof
7	0.9052	mobile phone used financial transactions	household has a sofa	household has a dvd player	roof
8	0.9052	has motorcycle/scooter	mobile phone used financial transactions	household has a dvd player	roof
9	0.9049	mobile phone used financial transactions	household has a table	household has a clock	roof
10	0.9048	mobile phone used financial transactions	household has a table	household has a dvd player	roof

Marginal Distributions

Variable	Description	% in Top Sets	Distribution
hv208	has television	20%	Binary, 44.1% (1/yes)
sh132h	household has a table	50%	Binary, 80.8% (1/yes)
hv263	mobile phone used financial transactions	70%	Binary, 89.5% (1/yes)
hv211	has motorcycle/scooter	10%	Binary, 13.7% (1/yes)
sh132m	household has a clock	50%	Binary, 12.4% (1/yes)
sh132i	household has a chair	20%	Binary, 83.3% (1/yes)
sh132j	household has a sofa	10%	Binary, 55.5% (1/yes)
sh132o	household has a dvd player	70%	Binary, 12.5% (1/yes)
roof	roof	100%	Categorical, 0 (finished) = 90.4%, 1 (natural) = 7.6%, 2 (other) = 0.7%, 3 (rudimentary) = 1.2%

Cluster Configuration (Set #1)

Cluster Group	has television	mobile phone used financial transactions	household has a dvd player	roof	Proportion (%)
1	0	1	0	natural	4.70
1	0	1	1	natural	
2	0	0	0	finished	9.42
2	0	0	0	natural	
2	0	0	0	other	
2	0	0	0	rudimentary	
2	0	0	1	finished	
2	0	0	1	natural	
3	0	1	0	NA	41.80
3	0	1	0	finished	
3	0	1	0	other	
3	0	1	0	rudimentary	
3	0	1	1	finished	
3	0	1	1	other	
3	0	1	1	rudimentary	
4	1	0	0	finished	32.28
4	1	0	0	natural	
4	1	0	0	other	
4	1	0	0	rudimentary	
4	1	1	0	finished	
4	1	1	0	natural	
4	1	1	0	other	
4	1	1	0	rudimentary	
5	1	0	1	finished	11.81

Cluster Group	has television	mobile phone used financial transactions	household has a dvd player	roof	Proportion (%)
5	1	0	1	rudimentary	
5	1	1	1	finished	
5	1	1	1	natural	
5	1	1	1	other	
5	1	1	1	rudimentary	

Validation Tables

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

Cluster ID/Children Deceased	0%	1-33%	34-66%	67+%
5*	4,053 (92.0%)	259 (5.9%)	71 (1.6%)	23 (0.5%)
4	10,399 (91.3%)	755 (6.6%)	172 (1.5%)	59 (0.5%)
3	11,090 (88.4%)	1,146 (9.1%)	233 (1.9%)	73 (0.6%)
1	1,400 (86.3%)	189 (11.7%)	22 (1.4%)	11 (0.7%)
2	1,841 (85.7%)	249 (11.6%)	49 (2.3%)	10 (0.5%)
Total	28,783 (89.7%)	2,598 (8.1%)	547 (1.7%)	176 (0.5%)

*The chi-squared p-value is 0

a.2) Aggregating proportions greater than 0%

Cluster ID/Children Deceased	0%	>0%
5*	4,053 (92.0%)	353 (8.0%)
4	10,399 (91.3%)	986 (8.7%)
3	11,090 (88.4%)	1,452 (11.6%)
1	1,400 (86.3%)	222 (13.7%)
2	1,841 (85.7%)	308 (14.3%)
Total	28,783 (89.7%)	3,321 (10.3%)

*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	35 (0.8%)	328 (7.4%)	665 (15.1%)	811 (18.4%)	1,116 (25.3%)	1,451 (32.9%)	3.59
4	435 (3.8%)	1,582 (13.9%)	2,284 (20.1%)	2,273 (20.0%)	2,533 (22.2%)	2,278 (20.0%)	3.03
3	1,403 (11.2%)	2,935 (23.4%)	2,697 (21.5%)	2,552 (20.3%)	1,852 (14.8%)	1,103 (8.8%)	2.30
2	1,104 (51.4%)	527 (24.5%)	231 (10.7%)	188 (8.7%)	83 (3.9%)	16 (0.7%)	0.91
1	856 (52.8%)	392 (24.2%)	157 (9.7%)	129 (8.0%)	71 (4.4%)	17 (1.0%)	0.90
Total	3,833 (11.9%)	5,764 (18.0%)	6,034 (18.8%)	5,953 (18.5%)	5,655 (17.6%)	4,865 (15.2%)	2.57

*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	1,034 (53.9%)	814 (42.4%)	72 (3.8%)
4	3,094 (64.3%)	1,506 (31.3%)	211 (4.4%)
3	3,412 (73.2%)	1,041 (22.3%)	208 (4.5%)
2	266 (82.9%)	41 (12.8%)	14 (4.4%)
1	207 (90.4%)	18 (7.9%)	4 (1.7%)
Total	8,013 (67.1%)	3,420 (28.6%)	509 (4.3%)

*The chi-squared p-value is 0

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