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 | | | | | | | |
| 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 |
| --- | --- | --- | --- |
| 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 | | | |
| a0=public/government, 1=private, 2=other | | | |