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 |
| \*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 | 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 | | | |