Economic Clustering Summary Report: Mozambique 2011

# Data Summary

**Country Code-year:** MZ11

**Number of observations:** 13699

**Number of variables used:** 19

**Variable set used:** 1

**Variables used in the algorithm:** hv206, hv207, hv208, hv209, hv210, hv227, hv237, hv243a, hv243b, hv244, hv246, hv247, hv253, water, toilet, floor, roof, cookfuel, wall

# Top 10 Variable Sets (Sorted by ASW)

| Set | ASW | Var.1 | Var.2 | Var.3 | Var.4 |
| --- | --- | --- | --- | --- | --- |
| 1 | 0.9141 | Has electricity | Has television | Has refrigerator | Has mobile telephone |
| 2 | 0.9031 | Has electricity | Has television | Has refrigerator | roof |
| 3 | 0.8886 | Has television | Has refrigerator | Anything done to water to make safe to drink | Has mobile telephone |
| 4 | 0.8805 | Has electricity | Has television | Has mobile telephone | roof |
| 5 | 0.8793 | Has electricity | Has television | Has refrigerator | Anything done to water to make safe to drink |
| 6 | 0.8779 | Has television | Has refrigerator | Has mobile telephone | roof |
| 7 | 0.8752 | Has electricity | Has radio | Has television | Has refrigerator |
| 8 | 0.875 | Has electricity | Has refrigerator | Anything done to water to make safe to drink | Has mobile telephone |
| 9 | 0.8741 | Has electricity | Has television | Has refrigerator | Has bicycle |
| 10 | 0.8733 | Has electricity | Has television | Has mobile telephone | Has bank account |

# Marginal Distributions

| Variable | Description | % in Top Sets | Distribution |
| --- | --- | --- | --- |
| hv206 | Has electricity | 80% | Binary, 25.6% (1/yes) |
| hv208 | Has television | 90% | Binary, 24.5% (1/yes) |
| hv209 | Has refrigerator | 80% | Binary, 15.4% (1/yes) |
| hv207 | Has radio | 10% | Binary, 52.5% (1/yes) |
| hv237 | Anything done to water to make safe to drink | 30% | Binary, 12% (1/yes) |
| hv243a | Has mobile telephone | 60% | Binary, 42.8% (1/yes) |
| roof | roof | 30% | Categorical, 0 (finished) = 40.3%,   1 (natural) = 59.4%,   2 (other) = 0.3% |
| hv210 | Has bicycle | 10% | Binary, 34.7% (1/yes) |
| hv247 | Has bank account | 10% | Binary, 20% (1/yes) |

# Cluster Configuration (Set #1)

| Cluster Group | Has electricity | Has television | Has refrigerator | Has mobile telephone | Proportion (%) |
| --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 0 | 1 | 18.96 |
| 1 | 0 | 0 | 1 | 1 |  |
| 1 | 0 | 1 | 0 | 1 |  |
| 2 | 1 | 0 | 0 | 1 | 2.56 |
| 3 | 0 | 1 | 1 | 1 | 15.17 |
| 3 | 1 | 0 | 1 | 1 |  |
| 3 | 1 | 1 | 1 | 0 |  |
| 3 | 1 | 1 | 1 | 1 |  |
| 4 | 0 | 0 | 0 | 0 | 56.22 |
| 4 | 0 | 0 | 1 | 0 |  |
| 4 | 0 | 1 | 0 | 0 |  |
| 4 | 0 | 1 | 1 | 0 |  |
| 4 | 1 | 0 | 0 | 0 |  |
| 4 | 1 | 0 | 1 | 0 |  |
| 5 | 1 | 1 | 0 | 0 | 7.08 |
| 5 | 1 | 1 | 0 | 1 |  |

# Validation Tables

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

| Cluster ID/Children Deceased | 0% | 1-33% | 34-66% | 67+% |
| --- | --- | --- | --- | --- |
| 3\* | 2,526 (87.3%) | 225 (7.8%) | 99 (3.4%) | 43 (1.5%) |
| 2 | 296 (81.5%) | 43 (11.8%) | 20 (5.5%) | 4 (1.1%) |
| 5 | 967 (81.0%) | 138 (11.6%) | 64 (5.4%) | 25 (2.1%) |
| 1 | 2,125 (77.2%) | 368 (13.4%) | 196 (7.1%) | 64 (2.3%) |
| 4 | 4,481 (70.9%) | 1,071 (16.9%) | 567 (9.0%) | 205 (3.2%) |
| Total | 10,395 (76.8%) | 1,845 (13.6%) | 946 (7.0%) | 341 (2.5%) |
| \*The chi-squared p-value is 0 | | | | |

## a.2) Aggregating proportions greater than 0%

| Cluster ID/Children Deceased | 0% | >0% |
| --- | --- | --- |
| 3\* | 2,526 (87.3%) | 367 (12.7%) |
| 2 | 296 (81.5%) | 67 (18.5%) |
| 5 | 967 (81.0%) | 227 (19.0%) |
| 1 | 2,125 (77.2%) | 628 (22.8%) |
| 4 | 4,481 (70.9%) | 1,843 (29.1%) |
| Total | 10,395 (76.8%) | 3,132 (23.2%) |
| \*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. |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 3\*a | 107 (3.7%) | 741 (25.6%) | 408 (14.1%) | 1,145 (39.6%) | 298 (10.3%) | 194 (6.7%) | 2.47 |
| 5 | 126 (10.6%) | 487 (40.8%) | 169 (14.2%) | 374 (31.3%) | 37 (3.1%) | 1 (0.1%) | 1.76 |
| 2 | 51 (14.0%) | 171 (47.1%) | 49 (13.5%) | 80 (22.0%) | 10 (2.8%) | 2 (0.6%) | 1.54 |
| 1 | 623 (22.6%) | 1,389 (50.5%) | 287 (10.4%) | 421 (15.3%) | 33 (1.2%) | 0 (0.0%) | 1.22 |
| 4 | 2,842 (44.9%) | 2,972 (47.0%) | 281 (4.4%) | 225 (3.6%) | 4 (0.1%) | 0 (0.0%) | 0.67 |
| Total | 3,749 (27.7%) | 5,760 (42.6%) | 1,194 (8.8%) | 2,245 (16.6%) | 382 (2.8%) | 197 (1.5%) | 1.29 |
| \*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 |
| --- | --- | --- | --- |
| 3\*a | 562 (60.3%) | 357 (38.3%) | 13 (1.4%) |
| 2 | 48 (71.6%) | 19 (28.4%) | 0 (0.0%) |
| 5 | 217 (72.6%) | 79 (26.4%) | 3 (1.0%) |
| 1 | 333 (84.7%) | 59 (15.0%) | 1 (0.3%) |
| 4 | 299 (90.3%) | 29 (8.8%) | 3 (0.9%) |
| Total | 1,459 (72.2%) | 543 (26.9%) | 20 (1.0%) |
| \*The chi-squared p-value is 0 | | | |
| a0=public/government, 1=private, 2=other | | | |