Economic Clustering Summary Report: Comoros 2012

# Data Summary

**Country Code-year:** KM12

**Number of observations:** 4355

**Number of variables used:** 21

**Variable set used:** 1

**Variables used in the algorithm:** hv206, hv207, hv208, hv209, hv212, hv221, hv225, 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 | 0.8835 | Has electricity | Has television | Has refrigerator | Has telephone (land-line) |
| 2 | 0.8778 | Has electricity | Has television | Has refrigerator | Has car/truck |
| 3 | 0.8683 | Has electricity | Has television | Has car/truck | Has telephone (land-line) |
| 4 | 0.8533 | Has electricity | Has television | Has telephone (land-line) | roof |
| 5 | 0.8447 | Has electricity | Has television | Has refrigerator | roof |
| 6 | 0.8435 | Has electricity | Has television | Has car/truck | roof |
| 7 | 0.8376 | Has television | Has refrigerator | Has telephone (land-line) | Has mobile telephone |
| 8 | 0.8372 | Has electricity | Has car/truck | Has telephone (land-line) | Has mobile telephone |
| 9 | 0.8337 | Has electricity | Has car/truck | Has telephone (land-line) | Share toilet with other households |
| 10 | 0.8334 | Has electricity | Has television | Has telephone (land-line) | Has mobile telephone |

# Marginal Distributions

| Variable | Description | % in Top Sets | Distribution |
| --- | --- | --- | --- |
| hv206 | Has electricity | 90% | Binary, 70.9% (1/yes) |
| hv208 | Has television | 80% | Binary, 61.5% (1/yes) |
| hv209 | Has refrigerator | 40% | Binary, 29.7% (1/yes) |
| hv212 | Has car/truck | 50% | Binary, 12.2% (1/yes) |
| hv221 | Has telephone (land-line) | 70% | Binary, 13.3% (1/yes) |
| roof | roof | 30% | Categorical, 0 (finished) = 86.8%,   1 (natural) = 11.1%,   2 (other) = 0.5%,   3 (rudimentary) = 1.6% |
| hv243a | Has mobile telephone | 30% | Binary, 76.1% (1/yes) |
| hv225 | Share toilet with other households | 10% | Binary, 21.6% (1/yes) |

# Cluster Configuration (Set #1)

| Cluster Group | Has electricity | Has television | Has refrigerator | Has telephone (land-line) | Proportion (%) |
| --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 0 | 0 | 27.16 |
| 1 | 0 | 0 | 0 | 1 |  |
| 1 | 0 | 0 | 1 | 0 |  |
| 1 | 0 | 0 | 1 | 1 |  |
| 2 | 0 | 1 | 0 | 0 | 33.39 |
| 2 | 0 | 1 | 0 | 1 |  |
| 2 | 1 | 1 | 0 | 0 |  |
| 2 | 1 | 1 | 0 | 1 |  |
| 3 | 1 | 0 | 0 | 0 | 9.94 |
| 3 | 1 | 0 | 0 | 1 |  |
| 4 | 1 | 0 | 1 | 1 | 10.08 |
| 4 | 1 | 1 | 1 | 1 |  |
| 5 | 0 | 1 | 1 | 0 | 19.43 |
| 5 | 1 | 0 | 1 | 0 |  |
| 5 | 1 | 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+% |
| --- | --- | --- | --- | --- |
| 4\* | 558 (95.9%) | 19 (3.3%) | 2 (0.3%) | 3 (0.5%) |
| 5 | 1,060 (92.4%) | 62 (5.4%) | 21 (1.8%) | 4 (0.3%) |
| 2 | 1,666 (91.4%) | 130 (7.1%) | 23 (1.3%) | 4 (0.2%) |
| 3 | 390 (90.9%) | 25 (5.8%) | 12 (2.8%) | 2 (0.5%) |
| 1 | 1,037 (86.1%) | 136 (11.3%) | 20 (1.7%) | 11 (0.9%) |
| Total | 4,711 (90.9%) | 372 (7.2%) | 78 (1.5%) | 24 (0.5%) |
| \*The chi-squared p-value is 0 | | | | |

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

| Cluster ID/Children Deceased | 0% | >0% |
| --- | --- | --- |
| 4\* | 558 (95.9%) | 24 (4.1%) |
| 5 | 1,060 (92.4%) | 87 (7.6%) |
| 2 | 1,666 (91.4%) | 157 (8.6%) |
| 3 | 390 (90.9%) | 39 (9.1%) |
| 1 | 1,037 (86.1%) | 167 (13.9%) |
| Total | 4,711 (90.9%) | 474 (9.1%) |
| \*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. |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 4\*a | 64 (11.0%) | 48 (8.2%) | 21 (3.6%) | 275 (47.3%) | 56 (9.6%) | 118 (20.3%) | 2.97 |
| 5 | 166 (14.5%) | 150 (13.1%) | 67 (5.8%) | 499 (43.5%) | 95 (8.3%) | 170 (14.8%) | 2.63 |
| 2 | 506 (27.8%) | 259 (14.2%) | 124 (6.8%) | 650 (35.7%) | 108 (5.9%) | 176 (9.7%) | 2.07 |
| 3 | 130 (30.3%) | 56 (13.1%) | 26 (6.1%) | 152 (35.4%) | 29 (6.8%) | 36 (8.4%) | 2.00 |
| 1 | 632 (52.5%) | 177 (14.7%) | 70 (5.8%) | 257 (21.3%) | 37 (3.1%) | 31 (2.6%) | 1.16 |
| Total | 1,498 (28.9%) | 690 (13.3%) | 308 (5.9%) | 1,833 (35.4%) | 325 (6.3%) | 531 (10.2%) | 2.08 |
| \*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 |
| --- | --- | --- | --- |
| 4\*a | 30 (71.4%) | 4 (9.5%) | 8 (19.0%) |
| 5 | 126 (84.6%) | 7 (4.7%) | 16 (10.7%) |
| 1 | 79 (88.8%) | 5 (5.6%) | 5 (5.6%) |
| 2 | 152 (88.9%) | 8 (4.7%) | 11 (6.4%) |
| 3 | 34 (89.5%) | 2 (5.3%) | 2 (5.3%) |
| Total | 421 (86.1%) | 26 (5.3%) | 42 (8.6%) |
| \*The chi-squared p-value is 0.037 | | | |
| a0=public/government, 1=private, 2=other | | | |