Economic Clustering Summary Report: Gabon 2012

# Data Summary

**Country Code-year:** GA12

**Number of observations:** 8924

**Number of variables used:** 31

**Variable set used:** 1

**Variables used in the algorithm:** hv206, hv207, hv208, hv209, hv212, hv225, hv227, hv243a, hv243b, hv244, hv246, hv247, sh110d, sh110e, sh110g, sh110i, sh110k, sh110l, sh110m, sh110n, sh110o, sh110p, sh110x, sh110y, sh110z, water, toilet, floor, roof, cookfuel, wall

# Top 10 Variable Sets (Sorted by ASW)

| Set | ASW | Var.1 | Var.2 | Var.3 | Var.4 |
| --- | --- | --- | --- | --- | --- |
| 1 | 0.9865 | has car/truck | has mobile telephone | has hifi | roof |
| 2 | 0.9838 | has electricity | has refrigerator | has car/truck | roof |
| 3 | 0.9836 | has electricity | has car/truck | has mobile telephone | roof |
| 4 | 0.9835 | has television | has car/truck | has mobile telephone | roof |
| 5 | 0.9834 | has television | has mobile telephone | has hifi | roof |
| 6 | 0.9829 | has car/truck | has mobile telephone | has antenna / decoder | roof |
| 7 | 0.9828 | has mobile telephone | has hifi | has antenna / decoder | roof |
| 8 | 0.9827 | has television | has car/truck | has antenna / decoder | roof |
| 9 | 0.9826 | has mobile telephone | has generator | has hifi | roof |
| 10 | 0.9824 | has electricity | has television | has car/truck | roof |

# Marginal Distributions

| Variable | Description | % in Top Sets | Distribution |
| --- | --- | --- | --- |
| hv212 | has car/truck | 70% | Binary, 8.5% (1/yes) |
| hv206 | has electricity | 30% | Binary, 70.4% (1/yes) |
| hv208 | has television | 40% | Binary, 63.3% (1/yes) |
| hv243a | has mobile telephone | 70% | Binary, 81.4% (1/yes) |
| hv209 | has refrigerator | 10% | Binary, 19.3% (1/yes) |
| sh110g | has hifi | 40% | Binary, 13.8% (1/yes) |
| sh110e | has generator | 10% | Binary, 8.1% (1/yes) |
| sh110x | has antenna / decoder | 30% | Binary, 26.5% (1/yes) |
| roof | roof | 100% | Categorical, 0 (finished) = 97.5%,   1 (other) = 0.1%,   2 (rudimentary) = 2.4% |

# Cluster Configuration (Set #1)

| Cluster Group | has car/truck | has mobile telephone | has hifi | roof | Proportion (%) |
| --- | --- | --- | --- | --- | --- |
| 1 | 1 | 0 | 1 | finished | 3.84 |
| 1 | 1 | 1 | 1 | finished |  |
| 2 | 0 | 0 | 0 | finished | 18.33 |
| 2 | 0 | 0 | 0 | rudimentary |  |
| 3 | 1 | 0 | 0 | finished | 4.63 |
| 3 | 1 | 1 | 0 | finished |  |
| 3 | 1 | 1 | 0 | other |  |
| 3 | 1 | 1 | 0 | rudimentary |  |
| 4 | 0 | 0 | 1 | finished | 9.97 |
| 4 | 0 | 1 | 1 | finished |  |
| 4 | 0 | 1 | 1 | other |  |
| 5 | 0 | 1 | 0 | finished | 63.22 |
| 5 | 0 | 1 | 0 | other |  |
| 5 | 0 | 1 | 0 | rudimentary |  |

# Validation Tables

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

| Cluster ID/Children Deceased | 0% | 1-33% | 34-66% | 67+% |
| --- | --- | --- | --- | --- |
| 1\* | 391 (88.7%) | 36 (8.2%) | 11 (2.5%) | 3 (0.7%) |
| 3 | 451 (87.9%) | 45 (8.8%) | 10 (1.9%) | 7 (1.4%) |
| 4 | 802 (86.4%) | 88 (9.5%) | 29 (3.1%) | 9 (1.0%) |
| 5 | 4,389 (83.5%) | 637 (12.1%) | 163 (3.1%) | 67 (1.3%) |
| 2 | 498 (78.3%) | 111 (17.5%) | 22 (3.5%) | 5 (0.8%) |
| Total | 6,531 (84.0%) | 917 (11.8%) | 235 (3.0%) | 91 (1.2%) |
| \*The chi-squared p-value is 0 | | | | |

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

| Cluster ID/Children Deceased | 0% | >0% |
| --- | --- | --- |
| 1\* | 391 (88.7%) | 50 (11.3%) |
| 3 | 451 (87.9%) | 62 (12.1%) |
| 4 | 802 (86.4%) | 126 (13.6%) |
| 5 | 4,389 (83.5%) | 867 (16.5%) |
| 2 | 498 (78.3%) | 138 (21.7%) |
| Total | 6,531 (84.0%) | 1,243 (16.0%) |
| \*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 | 10 (2.3%) | 37 (8.4%) | 19 (4.3%) | 294 (66.7%) | 20 (4.5%) | 61 (13.8%) | 3.04 |
| 3 | 16 (3.1%) | 57 (11.1%) | 25 (4.9%) | 354 (69.0%) | 22 (4.3%) | 39 (7.6%) | 2.83 |
| 4 | 23 (2.5%) | 165 (17.8%) | 64 (6.9%) | 589 (63.5%) | 23 (2.5%) | 64 (6.9%) | 2.66 |
| 5 | 236 (4.5%) | 1,414 (26.9%) | 431 (8.2%) | 2,922 (55.6%) | 91 (1.7%) | 162 (3.1%) | 2.32 |
| 2 | 55 (8.6%) | 341 (53.6%) | 69 (10.8%) | 167 (26.3%) | 2 (0.3%) | 2 (0.3%) | 1.57 |
| Total | 340 (4.4%) | 2,014 (25.9%) | 608 (7.8%) | 4,326 (55.6%) | 158 (2.0%) | 328 (4.2%) | 2.38 |
| \*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 | 51 | 61 |
| --- | --- | --- | --- | --- | --- |
| 3\*a | 13 (13.0%) | 57 (57.0%) | 5 (5.0%) | 9 (9.0%) | 16 (16.0%) |
| 5 | 166 (16.7%) | 477 (47.9%) | 75 (7.5%) | 76 (7.6%) | 201 (20.2%) |
| 4 | 34 (17.3%) | 86 (43.9%) | 21 (10.7%) | 12 (6.1%) | 43 (21.9%) |
| 1 | 20 (17.4%) | 55 (47.8%) | 11 (9.6%) | 7 (6.1%) | 22 (19.1%) |
| 2 | 13 (22.8%) | 21 (36.8%) | 5 (8.8%) | 4 (7.0%) | 14 (24.6%) |
| Total | 246 (16.8%) | 696 (47.6%) | 117 (8.0%) | 108 (7.4%) | 296 (20.2%) |
| \*The chi-squared p-value is 0.2476 | | | | | |
| a0=public/government, 1=private, 2=other | | | | | |