Economic Clustering Summary Report: Guinea 2018

# Data Summary

**Country Code-year:** GN18

**Number of observations:** 7899

**Number of variables used:** 25

**Variable set used:** 1

**Variables used in the algorithm:** hv206, hv207, hv208, hv209, hv210, hv211, hv227, hv237, hv243a, hv243b, hv244, hv246, sh121e, sh121h, sh121i, sh121j, sh121k, sh121l, sh121o, water, toilet, floor, roof, cookfuel, wall

# Top 10 Variable Sets (Sorted by ASW)

| Set | ASW | Var.1 | Var.2 | Var.3 | Var.4 |
| --- | --- | --- | --- | --- | --- |
| 1 | 0.9448 | has electricity | has television | has refrigerator | has mobile telephone |
| 2 | 0.9374 | has electricity | has refrigerator | has mobile telephone | fan |
| 3 | 0.9368 | has electricity | has television | has mobile telephone | fan |
| 4 | 0.9339 | has television | has refrigerator | has mobile telephone | fan |
| 5 | 0.9301 | has electricity | has television | has mobile telephone | cupboard/library |
| 6 | 0.9171 | has electricity | has television | has refrigerator | fan |
| 7 | 0.9167 | has electricity | has mobile telephone | fan | cupboard/library |
| 8 | 0.9109 | has television | has mobile telephone | fan | cupboard/library |
| 9 | 0.9072 | has television | has refrigerator | fan | chair |
| 10 | 0.9039 | has television | has refrigerator | has mobile telephone | cupboard/library |

# Marginal Distributions

| Variable | Description | % in Top Sets | Distribution |
| --- | --- | --- | --- |
| hv206 | has electricity | 60% | Binary, 43.5% (1/yes) |
| hv208 | has television | 80% | Binary, 30.6% (1/yes) |
| hv209 | has refrigerator | 60% | Binary, 15.4% (1/yes) |
| hv243a | has mobile telephone | 80% | Binary, 89.7% (1/yes) |
| sh121e | fan | 70% | Binary, 21.3% (1/yes) |
| sh121l | cupboard/library | 40% | Binary, 12.8% (1/yes) |
| sh121i | chair | 10% | Binary, 72.2% (1/yes) |

# Cluster Configuration (Set #1)

| Cluster Group | has electricity | has television | has refrigerator | has mobile telephone | Proportion (%) |
| --- | --- | --- | --- | --- | --- |
| 1 | 1 | 1 | 0 | 0 | 14.53 |
| 1 | 1 | 1 | 0 | 1 |  |
| 2 | 0 | 0 | 0 | 0 | 9.00 |
| 2 | 0 | 0 | 1 | 0 |  |
| 2 | 0 | 1 | 0 | 0 |  |
| 3 | 0 | 1 | 1 | 0 | 15.34 |
| 3 | 0 | 1 | 1 | 1 |  |
| 3 | 1 | 0 | 1 | 0 |  |
| 3 | 1 | 0 | 1 | 1 |  |
| 3 | 1 | 1 | 1 | 0 |  |
| 3 | 1 | 1 | 1 | 1 |  |
| 4 | 1 | 0 | 0 | 0 | 13.81 |
| 4 | 1 | 0 | 0 | 1 |  |
| 5 | 0 | 0 | 0 | 1 | 47.31 |
| 5 | 0 | 0 | 1 | 1 |  |
| 5 | 0 | 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\* | 1,825 (91.8%) | 116 (5.8%) | 34 (1.7%) | 12 (0.6%) |
| 1 | 1,399 (83.2%) | 197 (11.7%) | 57 (3.4%) | 29 (1.7%) |
| 4 | 1,129 (77.2%) | 229 (15.7%) | 91 (6.2%) | 14 (1.0%) |
| 5 | 3,717 (75.0%) | 838 (16.9%) | 326 (6.6%) | 72 (1.5%) |
| 2 | 576 (74.3%) | 124 (16.0%) | 55 (7.1%) | 20 (2.6%) |
| Total | 8,646 (79.6%) | 1,504 (13.8%) | 563 (5.2%) | 147 (1.4%) |
| \*The chi-squared p-value is 0 | | | | |

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

| Cluster ID/Children Deceased | 0% | >0% |
| --- | --- | --- |
| 3\* | 1,825 (91.8%) | 162 (8.2%) |
| 1 | 1,399 (83.2%) | 283 (16.8%) |
| 4 | 1,129 (77.2%) | 334 (22.8%) |
| 5 | 3,717 (75.0%) | 1,236 (25.0%) |
| 2 | 576 (74.3%) | 199 (25.7%) |
| Total | 8,646 (79.6%) | 2,214 (20.4%) |
| \*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. |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 3\*a | 728 (36.6%) | 153 (7.7%) | 102 (5.1%) | 612 (30.8%) | 123 (6.2%) | 269 (13.5%) | 2.03 |
| 1 | 913 (54.3%) | 185 (11.0%) | 82 (4.9%) | 378 (22.5%) | 58 (3.4%) | 66 (3.9%) | 1.22 |
| 4 | 1,100 (75.2%) | 128 (8.7%) | 51 (3.5%) | 162 (11.1%) | 5 (0.3%) | 17 (1.2%) | 0.56 |
| 5 | 4,100 (82.8%) | 381 (7.7%) | 121 (2.4%) | 324 (6.5%) | 18 (0.4%) | 9 (0.2%) | 0.35 |
| 2 | 679 (87.6%) | 53 (6.8%) | 15 (1.9%) | 26 (3.4%) | 0 (0.0%) | 2 (0.3%) | 0.22 |
| Total | 7,520 (69.2%) | 900 (8.3%) | 371 (3.4%) | 1,502 (13.8%) | 204 (1.9%) | 363 (3.3%) | 0.81 |
| \*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 |
| --- | --- | --- | --- |
| 3\*a | 169 (54.0%) | 142 (45.4%) | 2 (0.6%) |
| 1 | 109 (60.6%) | 71 (39.4%) | 0 (0.0%) |
| 4 | 55 (63.2%) | 32 (36.8%) | 0 (0.0%) |
| 2 | 45 (77.6%) | 13 (22.4%) | 0 (0.0%) |
| 5 | 172 (77.8%) | 49 (22.2%) | 0 (0.0%) |
| Total | 550 (64.0%) | 307 (35.7%) | 2 (0.2%) |
| \*The chi-squared p-value is 0 | | | |
| a0=public/government, 1=private, 2=other | | | |