Economic Clustering Summary Report: Togo 2013-14

# Data Summary

**Country Code-year:** TG13

**Number of observations:** 9532

**Number of variables used:** 20

**Variable set used:** 1

**Variables used in the algorithm:** hv206, hv207, hv208, hv210, hv211, hv227, hv237, hv243a, hv243b, hv244, hv246, hv247, sh110d, sh110n, water, toilet, floor, roof, cookfuel, wall

# Top 10 Variable Sets (Sorted by ASW)

| Set | ASW | Var.1 | Var.2 | Var.3 | Var.4 |
| --- | --- | --- | --- | --- | --- |
| 1 | 0.9165 | has electricity | has television | has cd/dvd reader | roof |
| 2 | 0.9151 | has electricity | has television | has cd/dvd reader | floor |
| 3 | 0.9141 | has television | has cd/dvd reader | has a fan | floor |
| 4 | 0.9127 | has television | has cd/dvd reader | has a fan | roof |
| 5 | 0.9123 | has television | has mobile telephone | has cd/dvd reader | has a fan |
| 6 | 0.9025 | has electricity | has television | has a fan | roof |
| 7 | 0.9016 | has electricity | has television | has a fan | floor |
| 8 | 0.9005 | has electricity | has television | has mobile telephone | has cd/dvd reader |
| 9 | 0.8865 | has electricity | has television | has cd/dvd reader | has a fan |
| 10 | 0.8843 | has electricity | has television | has mobile telephone | has a fan |

# Marginal Distributions

| Variable | Description | % in Top Sets | Distribution |
| --- | --- | --- | --- |
| hv206 | has electricity | 70% | Binary, 40.9% (1/yes) |
| hv208 | has television | 100% | Binary, 32.8% (1/yes) |
| sh110d | has cd/dvd reader | 70% | Binary, 25.4% (1/yes) |
| hv243a | has mobile telephone | 30% | Binary, 71.9% (1/yes) |
| sh110n | has a fan | 70% | Binary, 20.3% (1/yes) |
| roof | roof | 30% | Categorical, 0 (finished) = 82.7%,   1 (natural) = 0.8%,   2 (other) = 0.1%,   3 (rudimentary) = 16.4% |
| floor | floor | 30% | Categorical, 0 (finished) = 85.5%,   1 (natural) = 14.4%,   2 (other) = 0%,   3 (rudimentary) = 0% |

# Cluster Configuration (Set #1)

| Cluster Group | has electricity | has television | has cd/dvd reader | roof | Proportion (%) |
| --- | --- | --- | --- | --- | --- |
| 1 | 1 | 1 | 0 | NA | 7.14 |
| 1 | 1 | 1 | 0 | finished |  |
| 1 | 1 | 1 | 0 | natural |  |
| 1 | 1 | 1 | 0 | rudimentary |  |
| 2 | 1 | 0 | 0 | NA | 10.11 |
| 2 | 1 | 0 | 0 | finished |  |
| 2 | 1 | 0 | 0 | natural |  |
| 3 | 0 | 0 | 0 | finished | 41.36 |
| 3 | 0 | 0 | 0 | natural |  |
| 3 | 0 | 0 | 0 | other |  |
| 3 | 0 | 0 | 1 | finished |  |
| 3 | 0 | 1 | 0 | finished |  |
| 3 | 0 | 1 | 0 | natural |  |
| 3 | NA | 0 | 0 | finished |  |
| 4 | 0 | 1 | 1 | finished | 25.21 |
| 4 | 0 | 1 | 1 | natural |  |
| 4 | 0 | 1 | 1 | rudimentary |  |
| 4 | 1 | 0 | 1 | finished |  |
| 4 | 1 | 1 | 1 | NA |  |
| 4 | 1 | 1 | 1 | finished |  |
| 4 | 1 | 1 | 1 | other |  |
| 4 | 1 | 1 | 1 | rudimentary |  |
| 4 | 1 | 1 | NA | finished |  |
| 4 | NA | 1 | 1 | finished |  |
| 5 | 0 | 0 | 0 | rudimentary | 16.18 |
| 5 | 0 | 0 | 1 | rudimentary |  |
| 5 | 0 | 1 | 0 | rudimentary |  |
| 5 | 1 | 0 | 0 | rudimentary |  |
| 5 | NA | 0 | 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\* | 663 (90.5%) | 44 (6.0%) | 18 (2.5%) | 8 (1.1%) |
| 4 | 2,357 (89.0%) | 194 (7.3%) | 79 (3.0%) | 19 (0.7%) |
| 2 | 648 (82.5%) | 99 (12.6%) | 29 (3.7%) | 9 (1.1%) |
| 3 | 2,807 (72.5%) | 753 (19.5%) | 265 (6.8%) | 46 (1.2%) |
| 5 | 965 (68.0%) | 348 (24.5%) | 92 (6.5%) | 14 (1.0%) |
| Total | 7,440 (78.7%) | 1,438 (15.2%) | 483 (5.1%) | 96 (1.0%) |
| \*The chi-squared p-value is 0 | | | | |

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

| Cluster ID/Children Deceased | 0% | >0% |
| --- | --- | --- |
| 1\* | 663 (90.5%) | 70 (9.5%) |
| 4 | 2,357 (89.0%) | 292 (11.0%) |
| 2 | 648 (82.5%) | 137 (17.5%) |
| 3 | 2,807 (72.5%) | 1,064 (27.5%) |
| 5 | 965 (68.0%) | 454 (32.0%) |
| Total | 7,440 (78.7%) | 2,017 (21.3%) |
| \*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 | 432 (16.3%) | 585 (22.1%) | 233 (8.8%) | 1,121 (42.3%) | 90 (3.4%) | 188 (7.1%) | 2.16 |
| 1 | 108 (14.7%) | 177 (24.1%) | 65 (8.9%) | 320 (43.7%) | 23 (3.1%) | 40 (5.5%) | 2.13 |
| 2 | 173 (22.0%) | 227 (28.9%) | 66 (8.4%) | 290 (36.9%) | 6 (0.8%) | 23 (2.9%) | 1.74 |
| 3 | 1,765 (45.6%) | 1,068 (27.6%) | 227 (5.9%) | 790 (20.4%) | 8 (0.2%) | 13 (0.3%) | 1.03 |
| 5 | 912 (64.3%) | 286 (20.2%) | 66 (4.7%) | 154 (10.9%) | 1 (0.1%) | 0 (0.0%) | 0.62 |
| Total | 3,390 (35.8%) | 2,343 (24.8%) | 657 (6.9%) | 2,675 (28.3%) | 128 (1.4%) | 264 (2.8%) | 1.43 |
| \*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 | 53 (33.8%) | 103 (65.6%) | 1 (0.6%) |
| 4 | 191 (37.5%) | 315 (61.8%) | 4 (0.8%) |
| 2 | 71 (43.6%) | 92 (56.4%) | 0 (0.0%) |
| 3 | 448 (76.8%) | 135 (23.2%) | 0 (0.0%) |
| 5 | 140 (87.0%) | 21 (13.0%) | 0 (0.0%) |
| Total | 903 (57.4%) | 666 (42.3%) | 5 (0.3%) |
| \*The chi-squared p-value is 0 | | | |
| a0=public/government, 1=private, 2=other | | | |