Economic Clustering Summary Report: Ivory Coast 2011

# Data Summary

**Country Code-year:** CI11

**Number of observations:** 9677

**Number of variables used:** 23

**Variable set used:** 1

**Variables used in the algorithm:** hv206, hv207, hv208, hv209, hv210, hv211, hv227, hv237, hv243a, hv243b, hv244, hv246, hv247, sh110h, sh110j, sh110k, sh110l, water, toilet, floor, roof, cookfuel, wall

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# Top 10 Variable Sets (Sorted by ASW)

| Set | ASW | Var.1 | Var.2 | Var.3 | Var.4 |
| --- | --- | --- | --- | --- | --- |
| 1 | 0.8964 | has television | has mobile telephone | owns cable subscription | owns cd/dvd player |
| 2 | 0.8956 | has television | owns cable subscription | owns cd/dvd player | floor |
| 3 | 0.8948 | has television | has refrigerator | has mobile telephone | owns cd/dvd player |
| 4 | 0.8939 | has television | has refrigerator | owns cd/dvd player | floor |
| 5 | 0.8894 | has television | has mobile telephone | owns stove or burner | owns cd/dvd player |
| 6 | 0.8889 | has television | owns stove or burner | owns cd/dvd player | floor |
| 7 | 0.8787 | has electricity | has television | owns cable subscription | floor |
| 8 | 0.8786 | has television | has mobile telephone | owns cable subscription | owns stove or burner |
| 9 | 0.876 | has television | owns cable subscription | owns stove or burner | floor |
| 10 | 0.875 | has electricity | has refrigerator | owns cable subscription | floor |

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# Marginal Distributions

| Variable | Description | % in Top Sets | Distribution |
| --- | --- | --- | --- |
| hv208 | has television | 90% | Binary, 40.1% (1/yes) |
| hv206 | has electricity | 20% | Binary, 53.5% (1/yes) |
| hv243a | has mobile telephone | 40% | Binary, 79.3% (1/yes) |
| sh110h | owns cable subscription | 60% | Binary, 11.4% (1/yes) |
| hv209 | has refrigerator | 30% | Binary, 10.5% (1/yes) |
| sh110j | owns stove or burner | 40% | Binary, 10.4% (1/yes) |
| sh110l | owns cd/dvd player | 60% | Binary, 24.1% (1/yes) |
| floor | floor | 60% | Categorical, 0 (finished) = 77.2%,   1 (natural) = 22.5%,   2 (other) = 0.2%,   3 (rudimentary) = 0.1% |

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# Cluster Configuration (Set #1)

| Cluster Group | has television | has mobile telephone | owns cable subscription | owns cd/dvd player | Proportion (%) |
| --- | --- | --- | --- | --- | --- |
| 1 | 0 | 1 | 0 | 0 | 40.77 |
| 1 | 0 | 1 | 0 | 1 |  |
| 1 | 0 | 1 | 0 | NA |  |
| 1 | 0 | 1 | 1 | 0 |  |
| 1 | 0 | NA | 0 | 0 |  |
| 1 | NA | 1 | 0 | 0 |  |
| 2 | 1 | 0 | 0 | 1 | 14.93 |
| 2 | 1 | 1 | 0 | 1 |  |
| 2 | 1 | 1 | 0 | NA |  |
| 2 | 1 | 1 | NA | 1 |  |
| 3 | 0 | 1 | 1 | 1 | 8.62 |
| 3 | 1 | 0 | 1 | 1 |  |
| 3 | 1 | 1 | 1 | 1 |  |
| 3 | 1 | NA | 1 | 1 |  |
| 4 | 0 | 0 | 0 | 0 | 19.13 |
| 4 | 0 | 0 | 0 | 1 |  |
| 4 | 0 | 0 | NA | 0 |  |
| 5 | 1 | 0 | 0 | 0 | 16.55 |
| 5 | 1 | 0 | 1 | 0 |  |
| 5 | 1 | 1 | 0 | 0 |  |
| 5 | 1 | 1 | 1 | 0 |  |
| 5 | 1 | 1 | NA | 0 |  |
| 5 | 1 | NA | 0 | 0 |  |

# Validation Tables

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

| Cluster ID/Children Deceased | 0% | 1-33% | 34-66% | 67+% |
| --- | --- | --- | --- | --- |
| 3\* | 1,031 (89.0%) | 83 (7.2%) | 32 (2.8%) | 13 (1.1%) |
| 2 | 1,403 (81.8%) | 191 (11.1%) | 95 (5.5%) | 27 (1.6%) |
| 5 | 1,504 (79.7%) | 263 (13.9%) | 94 (5.0%) | 26 (1.4%) |
| 1 | 2,850 (71.0%) | 757 (18.9%) | 337 (8.4%) | 71 (1.8%) |
| 4 | 825 (64.7%) | 283 (22.2%) | 136 (10.7%) | 32 (2.5%) |
| Total | 7,613 (75.7%) | 1,577 (15.7%) | 694 (6.9%) | 169 (1.7%) |
| \*The chi-squared p-value is 0 | | | | |

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

| Cluster ID/Children Deceased | 0% | >0% |
| --- | --- | --- |
| 3\* | 1,031 (89.0%) | 128 (11.0%) |
| 2 | 1,403 (81.8%) | 313 (18.2%) |
| 5 | 1,504 (79.7%) | 383 (20.3%) |
| 1 | 2,850 (71.0%) | 1,165 (29.0%) |
| 4 | 825 (64.7%) | 451 (35.3%) |
| Total | 7,613 (75.7%) | 2,440 (24.3%) |
| \*The chi-squared p-value is 0 | | |

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## 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 | 385 (33.2%) | 161 (13.9%) | 123 (10.6%) | 309 (26.7%) | 75 (6.5%) | 106 (9.1%) | 1.87 |
| 2 | 730 (42.5%) | 299 (17.4%) | 177 (10.3%) | 394 (23.0%) | 63 (3.7%) | 53 (3.1%) | 1.37 |
| 5 | 965 (51.1%) | 272 (14.4%) | 167 (8.9%) | 367 (19.4%) | 70 (3.7%) | 46 (2.4%) | 1.17 |
| 1 | 2,664 (66.4%) | 628 (15.6%) | 293 (7.3%) | 367 (9.1%) | 39 (1.0%) | 24 (0.6%) | 0.65 |
| 4 | 996 (78.1%) | 175 (13.7%) | 50 (3.9%) | 51 (4.0%) | 4 (0.3%) | 0 (0.0%) | 0.35 |
| Total | 5,740 (57.1%) | 1,535 (15.3%) | 810 (8.1%) | 1,488 (14.8%) | 251 (2.5%) | 229 (2.3%) | 0.97 |
| \*The chi-squared p-value is 0 | | | | | | | |
| a0=none, 1=incomplete primary, 2=primary, 3=incomplete secondary, 4=secondary, 5=higher | | | | | | | |

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## c) Using Primary Healthcare Source (Sorted by % enrolled in public healthcare [ascending order])

| Cluster ID/Primary Healthcare Source | 0 | 1 | 2 |
| --- | --- | --- | --- |
| 2\*a | 65 (23.7%) | 183 (66.8%) | 26 (9.5%) |
| 1 | 117 (26.5%) | 256 (57.9%) | 69 (15.6%) |
| 3 | 56 (28.6%) | 126 (64.3%) | 14 (7.1%) |
| 5 | 84 (29.2%) | 176 (61.1%) | 28 (9.7%) |
| 4 | 18 (30.0%) | 30 (50.0%) | 12 (20.0%) |
| Total | 340 (27.0%) | 771 (61.2%) | 149 (11.8%) |
| \*The chi-squared p-value is 1e-04 | | | |
| a0=public/government, 1=private, 2=other | | | |