Economic Clustering Summary Report: Angola 2015

# Data Summary

**Country Code-year:** AO15

**Number of observations:** 15857

**Number of variables used:** 21

**Variable set used:** 1

**Variables used in the algorithm:** hv206, hv207, hv208, hv209, hv211, hv212, hv227, hv237, hv237a, hv243a, hv243e, hv244, hv246, hv247, sh121g, water, toilet, floor, roof, cookfuel, wall

# Top 10 Variable Sets (Sorted by ASW)

| Set | ASW | Var.1 | Var.2 | Var.3 | Var.4 |
| --- | --- | --- | --- | --- | --- |
| 1 | 0.9451 | has television | has refrigerator | has a computer | roof |
| 2 | 0.9423 | has television | has refrigerator | has car/truck | roof |
| 3 | 0.9372 | has television | has refrigerator | has internet | roof |
| 4 | 0.9244 | has refrigerator | has a computer | floor | roof |
| 5 | 0.9212 | has refrigerator | has car/truck | floor | roof |
| 6 | 0.916 | has refrigerator | has internet | floor | roof |
| 7 | 0.9039 | has electricity | has television | has a computer | roof |
| 8 | 0.9033 | has television | has refrigerator | water usually treated by: boil | roof |
| 9 | 0.9004 | has television | has refrigerator | has mobile telephone | has a computer |
| 10 | 0.8992 | has a computer | has internet | floor | roof |

# Marginal Distributions

| Variable | Description | % in Top Sets | Distribution |
| --- | --- | --- | --- |
| hv208 | has television | 60% | Binary, 43.2% (1/yes) |
| hv209 | has refrigerator | 80% | Binary, 27.1% (1/yes) |
| hv206 | has electricity | 10% | Binary, 33.7% (1/yes) |
| hv243e | has a computer | 50% | Binary, 9.3% (1/yes) |
| hv212 | has car/truck | 20% | Binary, 7.8% (1/yes) |
| sh121g | has internet | 30% | Binary, 10.6% (1/yes) |
| floor | floor | 40% | Categorical, 0 (finished) = 39.6%,   1 (natural) = 59.8%,   2 (other) = 0.4%,   3 (rudimentary) = 0.1% |
| hv237a | water usually treated by: boil | 10% | Binary, 8.6% (1/yes) |
| hv243a | has mobile telephone | 10% | Binary, 56.6% (1/yes) |
| roof | roof | 90% | Categorical, 0 (finished) = 84.7%,   1 (natural) = 14.1%,   2 (other) = 0.5%,   3 (rudimentary) = 0.7% |

# Cluster Configuration (Set #1)

| Cluster Group | has television | has refrigerator | has a computer | roof | Proportion (%) |
| --- | --- | --- | --- | --- | --- |
| 1 | 0 | 1 | 1 | finished | 8.44 |
| 1 | 0 | 1 | 1 | rudimentary |  |
| 1 | 1 | 1 | 1 | finished |  |
| 1 | 1 | 1 | 1 | natural |  |
| 1 | 1 | 1 | 1 | other |  |
| 1 | 1 | 1 | 1 | rudimentary |  |
| 2 | 0 | 0 | 0 | natural | 13.53 |
| 2 | 0 | 1 | 0 | natural |  |
| 3 | 1 | 0 | 0 | finished | 16.94 |
| 3 | 1 | 0 | 0 | natural |  |
| 3 | 1 | 0 | 0 | other |  |
| 3 | 1 | 0 | 0 | rudimentary |  |
| 3 | 1 | 0 | 1 | finished |  |
| 3 | 1 | 0 | 1 | natural |  |
| 3 | 1 | 0 | 1 | rudimentary |  |
| 4 | 0 | 0 | 0 | finished | 43.19 |
| 4 | 0 | 0 | 0 | other |  |
| 4 | 0 | 0 | 0 | rudimentary |  |
| 4 | 0 | 0 | 1 | finished |  |
| 4 | 0 | 1 | 0 | finished |  |
| 4 | 0 | 1 | 0 | rudimentary |  |
| 5 | 1 | 1 | 0 | finished | 17.90 |
| 5 | 1 | 1 | 0 | natural |  |
| 5 | 1 | 1 | 0 | other |  |
| 5 | 1 | 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\* | 1,451 (91.3%) | 102 (6.4%) | 28 (1.8%) | 9 (0.6%) |
| 5 | 2,817 (85.7%) | 309 (9.4%) | 132 (4.0%) | 28 (0.9%) |
| 3 | 2,111 (82.5%) | 298 (11.6%) | 114 (4.5%) | 37 (1.4%) |
| 2 | 1,293 (80.1%) | 200 (12.4%) | 98 (6.1%) | 24 (1.5%) |
| 4 | 4,039 (78.7%) | 701 (13.7%) | 312 (6.1%) | 81 (1.6%) |
| Total | 11,711 (82.6%) | 1,610 (11.4%) | 684 (4.8%) | 179 (1.3%) |
| \*The chi-squared p-value is 0 | | | | |

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

| Cluster ID/Children Deceased | 0% | >0% |
| --- | --- | --- |
| 1\* | 1,451 (91.3%) | 139 (8.7%) |
| 5 | 2,817 (85.7%) | 469 (14.3%) |
| 3 | 2,111 (82.5%) | 449 (17.5%) |
| 2 | 1,293 (80.1%) | 322 (19.9%) |
| 4 | 4,039 (78.7%) | 1,094 (21.3%) |
| Total | 11,711 (82.6%) | 2,473 (17.4%) |
| \*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. |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1\*a | 45 (2.8%) | 128 (8.1%) | 53 (3.3%) | 727 (45.7%) | 320 (20.1%) | 317 (19.9%) | 3.32 |
| 5 | 308 (9.4%) | 726 (22.1%) | 242 (7.4%) | 1,550 (47.2%) | 363 (11.0%) | 97 (3.0%) | 2.37 |
| 3 | 593 (23.2%) | 886 (34.6%) | 205 (8.0%) | 771 (30.1%) | 87 (3.4%) | 18 (0.7%) | 1.58 |
| 4 | 2,142 (41.7%) | 1,923 (37.5%) | 280 (5.5%) | 713 (13.9%) | 63 (1.2%) | 12 (0.2%) | 0.96 |
| 2 | 892 (55.2%) | 503 (31.1%) | 69 (4.3%) | 142 (8.8%) | 9 (0.6%) | 0 (0.0%) | 0.68 |
| Total | 3,980 (28.1%) | 4,166 (29.4%) | 849 (6.0%) | 3,903 (27.5%) | 842 (5.9%) | 444 (3.1%) | 1.63 |
| \*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 | 141 (40.2%) | 208 (59.3%) | 2 (0.6%) |
| 5 | 236 (42.0%) | 321 (57.1%) | 5 (0.9%) |
| 3 | 96 (45.9%) | 110 (52.6%) | 3 (1.4%) |
| 4 | 80 (46.5%) | 88 (51.2%) | 4 (2.3%) |
| 2 | 10 (50.0%) | 7 (35.0%) | 3 (15.0%) |
| Total | 563 (42.8%) | 734 (55.9%) | 17 (1.3%) |
| \*The chi-squared p-value is 0 | | | |
| a0=public/government, 1=private, 2=other | | | |