| Continent | Number of Countries | Life Expectancy at Birth (years) | Primary School Completion Rate (total of % by age) | Health Expenditure (current international $) | Population Density (people per sq. km) | GDP per Capita (current international $) |
| --- | --- | --- | --- | --- | --- | --- |
| Africa | 54 | 64.1 (5.9) | 79.8 (15.4) | 128.8 (173.4) | 104.8 (133.2) | 2630.1 (3096.2) |
| Asia | 50 | 74.6 (5.1) | 97.7 (9.8) | 721.8 (991.3) | 949.5 (3069.1) | 15116.8 (19922.9) |
| Australia/Oceania | 19 | 73.5 (6.0) | 94.1 (15.4) | 1164.2 (1679.5) | 145.2 (152.8) | 14783.1 (16508.8) |
| Europe | 48 | 79.3 (3.6) | 98.4 (5.5) | 2929.8 (2382.9) | 650.7 (2819.2) | 40646.5 (40399.5) |
| North America | 34 | 76.2 (3.8) | 92.3 (10.5) | 1293.0 (2334.5) | 281.6 (295.5) | 24082.3 (27212.6) |
| South America | 12 | 75.1 (3.2) | 97.3 (6.8) | 675.5 (450.6) | 24.7 (18.4) | 8495.9 (4220.4) |
| Total | 217 | 72.9 (7.5) | 93.0 (12.9) | 1143.7 (1838.1) | 446.0 (1996.6) | 18605.5 (27774.1) |

**Table 1. Mean (SD) for subset of variables in life expectancy dataset**

| Variables | Missing |
| --- | --- |
| Children newly infected with HIV | 58.5% |
| Educational attainment, primary | 83.4% |
| Educational attainment, bachelor's | 82.5% |
| Literacy rate | 88.5% |
| Poverty ratio | 89.9% |
| Renewable energy consumption | 100% |

**Table 2. Percent missing for five variables with greatest missingness**

| Feature | Estimate | Standard Error | df | P-value | Percent of Best Subsets Appeared in | VIF |
| --- | --- | --- | --- | --- | --- | --- |
| Intercept | 64.3236 | 2.05888 | 105.07 | < 0.0001 |  |  |
| Health expenditure (% GDP) | 0.1720 | 0.07885 | 114.12 | 0.0292 | 100% | 1.11 |
| Infant mortality rate | -0.2481 | 0.01687 | 126.45 | < 0.0001 | 100% | 3.09 |
| % Drinking safe water | 0.0207 | 0.01377 | 51.79 | 0.1395 | 100% | 4.18 |
| Population density (per km2) | 0.0003 | 0.00012 | 99.21 | 0.0069 | 100% | 1.11 |
| log(GDP per capita) | 1.2622 | 0.25856 | 75.83 | < 0.0001 | 100% | 3.68 |

**Table 3. Final model summary. Results are pooled across m = 10 imputations.**

| Source of Variation | Sum of Squares | df | Mean Squares | F | p-value |
| --- | --- | --- | --- | --- | --- |
| Log(GDP per capita) | 7682 | 1 | 7682 | 581.82 | < 0.0001 |
| Continent | 1190 | 5 | 238 | 18.03 | < 0.0001 |
| Residuals | 2273 | 2273 | 13 |  |  |
| Total | 11145 | 2279 |  |  |  |

**Table 4. ANCOVA Results**

| Feature | VIF Before Dropping Vars | VIF After Dropping Vars |
| --- | --- | --- |
| Electricity access | 5.06 | Dropped |
| Income growth | 2003.77 | Dropped |
| Income growth percent | 1966.60 | 1.60 |
| Children out of school | 2.18 | 1.89 |
| Infant mortality rate | 5.81 | 4.62 |
| Primary completion rate | 2.79 | 2.30 |
| Real interest rate | 1.49 | 1.38 |
| Percent pop. growth | 82.47 | 1.88 |
| Pop. density | 1.59 | 1.15 |
| Total pop. | 1.41 | 1.35 |
| Health spending per capita | 153.54 | Dropped |
| Health spending perc. GDP | 10.40 | 1.29 |
| Unemployment rate | 1.96 | 1.76 |
| GDP growth | 2.38 | 1.89 |
| GDP per capita | 115.50 | 4.43 |
| Birth rate | 12.65 | Dropped |
| Adults HIV perc. | 1.53 | 1.43 |
| Safe drinking water | 6.35 | 5.02 |
| Education duration | 1.40 | 1.30 |

**Table S1. Variance Inflation Factors (VIF) before and after**

**Dropping variables**