### **Variable summary Table**

| **Variable names** | **Description** | **Role** | **Type** | **Values** | **Units** |
| --- | --- | --- | --- | --- | --- |
| Country | 193 countries | Explanatory | Character | Country name | N/A |
| Year | Summary statistics taken each year | Explanatory | Numerical | 2000-2015 | years |
| Status | Country status | Explanatory | Categorical | Developing, developed | N/A |
| Lifeexpectancy | Average lifespan by year and country | Response | Numerical | 36.3-89 | Age in years |
| AdultMortality |  | Response | Numerical | 1-723 | /1000 population |
| infantdeath | Number of infant death | Response | Numerical | 0-1800 | /1000 population |
| Alcohol | In pure alcohol term | Explanatory | numerical | 0.01-17.9 | litre |
| percentageexpenditure | Expenditure on health as a percentage of Gross Domestic Product per capita(%) | Explanatory | numerical | 0-19.5k | Currency |
| HepatitisB |  | Explanatory | numerical | 1-99 | % among 1-year-old |
| Measles |  | Explanatory | Numerical | 0-212k | /1000 population |
| BMI | Average BMI | Explanatory | numerical | 1-87.3 | BMI index |
| under-fivedeaths | Number of under-five deaths per 1000 population | Explanatory | Numerical | 0-2500 | /1000 population |
| Polio | Polio (Pol3) immunization coverage among 1-year-olds (%) | Explanatory | Numerical | 3-99 | % among 1-year-old |
| Totalexpenditure |  | Explanatory | Numerical | 0.37-17.6 | % |
| Diphtheria |  | Explanatory | Numerical | 2-99 | %among 1-year-old |
| HIV/AIDS |  | Explanatory | Numerical | 0.1-50.6 | per 1 000 live births HIV/AIDS (0-4 years) |
| GDP |  | Explanatory | Numerical | 1.68-119k | USD |
| Population | Population of the country | Weights | Numerical | 34-1.29b | counts |
| thinness1-19years | Prevalence of thinness among children and adolescents for Age 10 to 19 | Explanatory | Numerical | 0.1-27.7 | % |
| thinness5-9years | prevalence of thinness among children for Age 5 to 9 | Explanatory | Numerical | 0.1-28.6 | % |
| Incomecompositionofresources |  | Explanatory | Numerical | 0-0.95 | Human development index |
| Schooling |  | Explanatory | Numerical | 0-20.7 | years |
| Continent |  | Explanatory | Categorical |  |  |

* Calculate population density
* Sort countries by continents

Notes:

* The dataset consists of 22 columns and 2,938 rows.
* All the variables above are included in the original dataset.
* More detailed data description can be found in the data source
* Data source: <https://www.kaggle.com/augustus0498/life-expectancy-who>