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| **WORLD LIFE EXPECTANCY**  **MYSQL PROJECT** | This project analyze the global life expectancy trends from 2007 to 2022 across different countries, recognizing its significance as a measure of a country's overall health and well-being.  Cosmina Marginean |

**DATASET:**

The dataset used providing a rich source of information for assessing changes in life expectancy over time.

**COLUMNS DESCRIPTION:**

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| * Country : Country |
| * Year : Year |
| * Status : Country Developed or Developing status |
| * Life expectancy : Life expectancy in age |
| * Adult Mortality : Adult Mortality Rates of both sexes (probability of dying between 15 and 60 years per 1000 population) |
| * infant deaths : Number of Infant Deaths per 1000 population |
| * Percentage expenditure : General government expenditure on health as a percentage of total government expenditure |
| * Measles : Measles - number of reported cases per 1000 population |
| * BMI : Average Body Mass Index of entire population |
| * under-five deaths : Number of under-five deaths per 1000 population |
| * Polio : Polio (Pol3) immunization coverage among 1-year-olds (%) |
| * Diphtheria : Diphtheria tetanus toxoid and pertussis (DTP3) immunization coverage among 1-year-olds (%) |
| * HIV/AIDS : Deaths per 1 000 live births HIV/AIDS (0-4 years) |
| * GDP : Gross Domestic Product per capita (in USD) |
| * thinness 1-19 years : Prevalence of thinness among children and adolescents for Age 10 to 19 (%) |
| * thinness 5-9 years : Prevalence of thinness among children for Age 5 to 9(%) |
| * Schooling : Number of years of Schooling(years) |

**STEPS AND ANALYSIS:**

1. Data Loading

* Create a new schema, load the dataset
* Create a staging table
* Explore the dataset

2. Data Cleaning

* Finding the duplicates and remove them
* Handling missing values
* Updating the blank rows of the Status column
* Fill missing values of Life Expectancy with the average values

3. Exploratory Data Analysis

* How life expectancy increase over 15 years?
* Life expectancy vs GDP
* High GDP vs Low GDP
* Correlation between status and life expectancy for each country
* Life expectancy vs BMI
* Life expectancy vs Schooling
* Rolling Total for Adult Mortality
* Rolling Total for Infant deaths