Executive Summary

This project presents an exploratory data analysis (EDA) of **global health indicators** using data sourced from the World Health Organization (WHO). The dataset consists of **multiple health indicators across over 190 countries**, capturing variations in public health outcomes at a global scale. The objective of the analysis is to understand health patterns, disparities, and trends across countries and regions, and to extract insights that can support data-driven decision-making in public health.

The analysis focuses on examining key health metrics, identifying missing values, understanding data distributions, and exploring relationships between variables such as life expectancy, mortality indicators, and regional health performance. During data inspection, it was observed that **several indicators contained missing values exceeding 20–30%**, requiring careful handling to maintain analytical reliability. Through systematic data cleaning and visualization, the project highlights significant variations in health outcomes between countries. For example, **life expectancy shows a gap of more than 20 years between the highest- and lowest-performing countries**, while mortality-related indicators demonstrate sharp regional disparities.

This project demonstrates strong foundational skills in data analysis, including data preprocessing, exploratory analysis, and insight generation. It is designed to be easily understandable for both technical and non-technical audiences and serves as a solid portfolio project for aspiring data analysts.