

# Project Proposal

## Exploring Global Health Trends and Predicting Life Expectancy

### **Introduction:**

Step into the world of worldwide wellbeing and socioeconomic with our wealthy and comprehensive dataset, which serves as to unraveling the insider facts of life anticipation and understanding the beat of populace wellbeing. Our extend points to dive into this d world by investigating variables affecting life hope over different countries and a long time. Leveraging a wide cluster of wellbeing and statistic markers, we look for to progress open wellbeing inquire about, the study of disease transmission, and populace wellbeing understanding through the control of information analytics.

- investigating the relationship between different financial, natural, and healthcare variables and their affect on life hope and in general populace wellbeing result.

How does this project connect with the course?

This extend directly connects with the course goals by applying information examination strategies to real-world healthcare datasets. By investigating the variables impacting life expectancy and populace wellbeing employing a comprehensive dataset, we point to upgrade our understanding of data-driven approaches in open wellbeing investigation Through this extend, we are going pick up viable involvement in information analytics and its application intending to worldwide wellbeing challenges, adjusting with the course's center on leveraging information for healthcare decision-making and arrangement advancement.

## **Motivation:**

Our extent is interesting because it dives into the complicated world of worldwide wellbeing, pointing to reveal experiences into variables affecting life anticipation. By analyzing comprehensive datasets, we are able advice open wellbeing approaches, mediations, and asset assignment methodologies to progress healthcare results around the world. also contributes to the broader objective of advancing wellbeing value and well-being for all people.

## **Evaluation:**

Achieving high accuracy in predicting life expectancy, uncovering meaningful insights into population health dynamics, implementing interventions based on our findings, and advancing understanding in the field will indicate a successful outcome for our project.

## **Resources:**

Excel : database and other methodologies

Google Colab: For data cleaning and EDA

Data Visualization tools: Tablue/PowerBI

## **References:**

- <https://www.kaggle.com/datasets/uom190346a/health-and-demographics-dataset>
- <https://www.cdc.gov/nchs/nvss/life-expectancy.htm#publications>
- <https://www.who.int/data/gho/data/themes/mortality-and-global-health-estimates/ghe-life-expectancy-and-healthy-life-expectancy>
- <https://www.commonwealthfund.org/publications/issue-briefs/2023/jan/us-health-care-global-perspective-2022>