

World Happiness Report Analysis

Aim:

The aim of this assignment is to analyze the World Happiness Report dataset to understand factors influencing global happiness using Python libraries.

Theory:

Happiness is affected by socioeconomic factors like GDP, social support, and life expectancy.

The World Happiness Report measures these metrics and ranks countries by happiness.

Visualization techniques such as box plots, violin plots, and regression plots help in understanding these relationships.

Assignment:

The task involves cleaning and analyzing the dataset to create visualizations and perform regression analysis.

Key visualizations include box plots, violin plots, 3D scatter plots, and word clouds.

Inference:

The analysis shows that Western Europe scores higher on happiness due to stronger socioeconomic factors

like higher GDP and social support. Regression analysis confirms a positive relationship between GDP and happiness.