

Visualize World Happiness

Abstract

The World Happiness Report is a landmark survey of the state of global happiness. The report was created for 155 countries and includes the ranking for 5 years (2015 - 2019). For the module task, the goal is to visualize different factors that are contributing to the happiness of a country. Different Regions may be analyzed in combination to form conclusions about differences in (sub-)continental environments while other graphics could lead to results that are unique for some countries.

Data Source

The data for this task are from the Gallup World Poll. The happiness scores are based on answers to the main life evaluation questions asked in the poll. Included in the data set are estimations for six factors to which degree each factor contributes to the happiness score. The factors are **economic production**, **social support**, **life expectancy**, **freedom**, **absence of corruption** and **generosity**. These factors are crucial for further conclusions and visualizations. The prepared data set was found on Kaggle and can be downloaded [here](#).

Methods

The visualizations for this module task are planned to be made mainly in R (using the ggplot2 system). The backup solution for unsolvable problems during the task is Python (using the Matplotlib library). The poster will be designed with LaTeX which also includes the possibility to design graphics with TikZ if needed.