

World Happiness Report:

Purpose:

1. To visualize the state of global happiness based on publicly-available data.
2. Review the state of happiness in individual countries and show how the new science of happiness explains personal and national variations in happiness.

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Considerations/six factors:

- life expectancy
- Economics
- social support
- absence of corruption
- Freedom
- Generosity

Focuses in:

- Which country is the happiest/saddest
- Which factors have the greatest/smallest impact on nations happiness
- Is happiness increasing/decreasing
- Select two or more countries and focus in on what makes their nations
- the happiest/saddest based on:
 - Employment opportunities
 - Real estate value
 - Crime rates & statistics
 - Climate
 - Educational system
 - Culture (sports, music, theaters, games, arts)
 - Public Transportation
 - Food options (fresh markets, home gardens, cost of goods?)
 - Healthcare (retirement age and accommodations, life expectancy, etc)

Possible resources:

Kaggle

<https://www.kaggle.com/unsdsn/world-happiness>

Google Data Search

<https://datasetsearch.research.google.com/>

World Health Organization

<https://www.who.int/>

The World Bank

<https://data.worldbank.org/>

The World Happiness Report

<https://worldhappiness.report/ed/2020/>

Data Visualizations:

- Heat map with information about the country
- Chart
- Data Table

World map should by default show world happiness indices for most recent year (2019)

Drop-down menu (switch?) can be used to toggle between the 5 years of data we have

A separate switch can be used to toggle between the 6 constituent factors that the happiness index comprises to visualize how important different factors may be in a country's overall happiness

That gives us $5 \times 7 = 35$ total different 'topologies' on the world map depending on what year and factor is selected



JavaScript Library:

DataMaps

<http://datamaps.github.io/>