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SoftDev2 pd9
P #04 :: Let The Data Speak
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world happiness by brimless-yankee

Project objective

Our objective for this project is to look for patterns relating national 'happiness' levels with a number of other indicators and datasets—including concentration of top-ranked world universities within a country, terrorist incidents, GDP/GDP per capita, and so on. We plan to use D3.js to visualize our data, and Bootstrap as our front end framework.

Datasets used

[QS World University Rankings \(2016-2017\)](#)
[The Human Freedom Index \(2013-2016\)](#)
[Global Terrorism Database \(1970-2017\)](#)
[World Happiness Report \(2015-2019\)](#)
[Unemployment, total \(% of total labor force\) modeled ILO estimate\) \(1991 - 2019\)](#)

All datasets are stored as .csv files within the GitHub repository.

Roles

> Ahmed Sultan (AS) : Project Manager, frontend
> Joseph Yusuf (JY): D3, backend, data management
> Vishwaa Sofat (VS): D3, backend
> Nahi Khan (NK): D3, backend

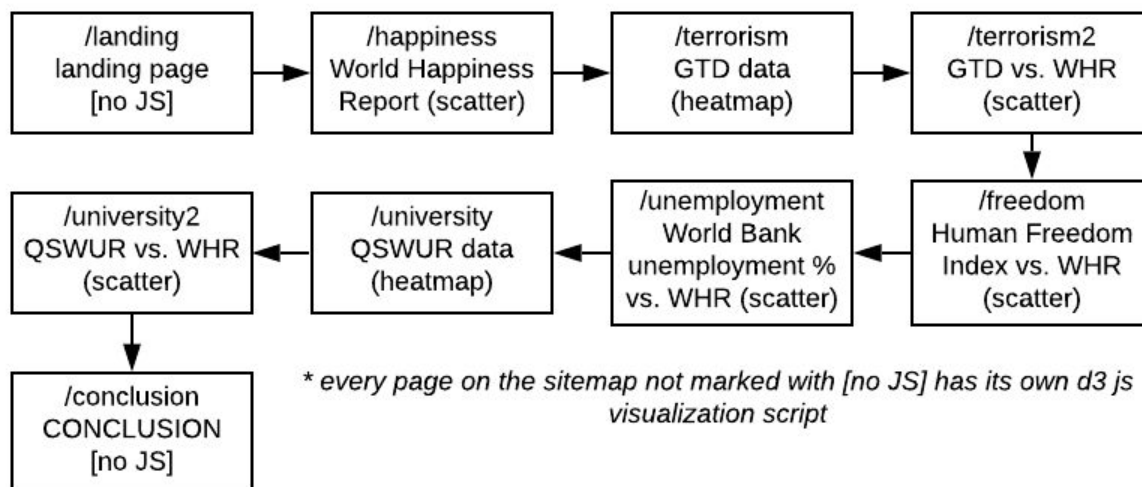
I. Minimum Viable Product

- A. Statistical unit: country, happiness vs. X
 - 1. Happiness score vs. weight of happiness score indicator
 - 2. Happiness score/indicators vs. concentration of terrorist incidents
 - 3. Happiness score/indicators vs. human freedom indicators
 - 4. Happiness score/indicators vs. unemployment % (total, national)
 - 5. Happiness score/indicators vs. concentration of top-ranked universities

II. Extra Features

- A. QS World University Rankings
 - 1. Geographical heatmap of world university concentrations
- B. Global Terrorism Database
 - 1. Geographical heatmap of terrorist incidents
- C. World Happiness Report
 - 1. Geographical heatmap of 'happiness' levels

SITEMAP



COMPONENT MAP

