

brimless-yankee :: Ahmed Sultan, Joseph Yusuf, Nahi Khan and Vishwaa Sofat
SoftDev2 pd9
P #04 :: Let The Data Speak
2020-04-25

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 in the GitHub repository.

Roles

> Ahmed Sultan (AS) : Project Manager
> Joseph Yusuf (JY)
> Vishwaa Sofat (VS)

I. Minimum Viable Product

A. FRAME OF REFERENCE: 2016

B. Statistical unit: country, happiness vs. X

1. Happiness vs. Number of Terrorist Incidents
2. Happiness vs. Unemployment, Total
3. Happiness vs. Concentration of Top Universities
4. Happiness vs. GDP per capita
5. Happiness vs. ROL (Rule of Law)

II. Extra Features

A. QS World University Rankings

1. Geographical heatmap of world university concentrations

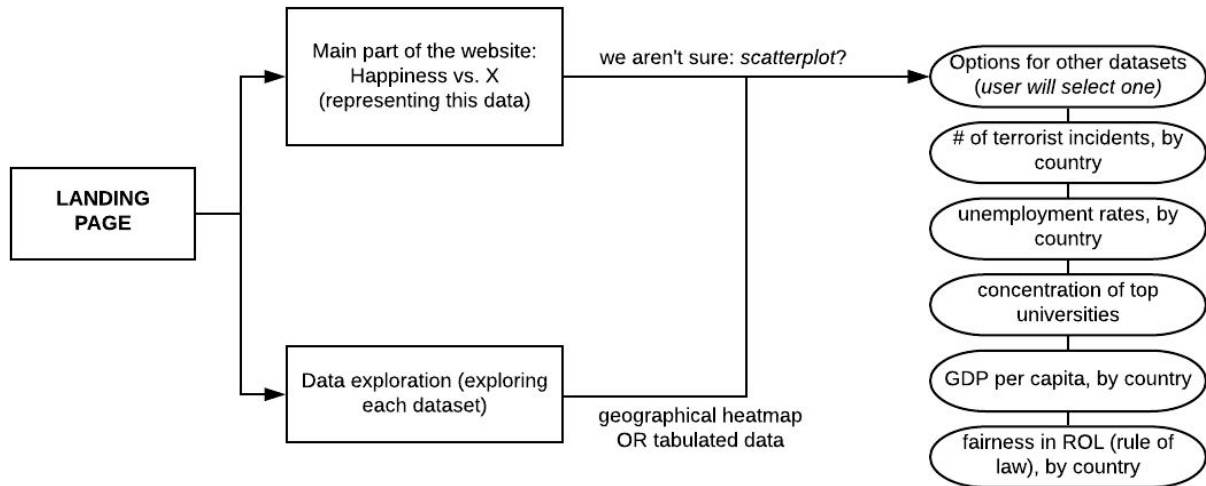
B. Global Terrorism Database

1. Line graph depicting trend of terrorism
2. Geographical heatmap of terrorist incidents

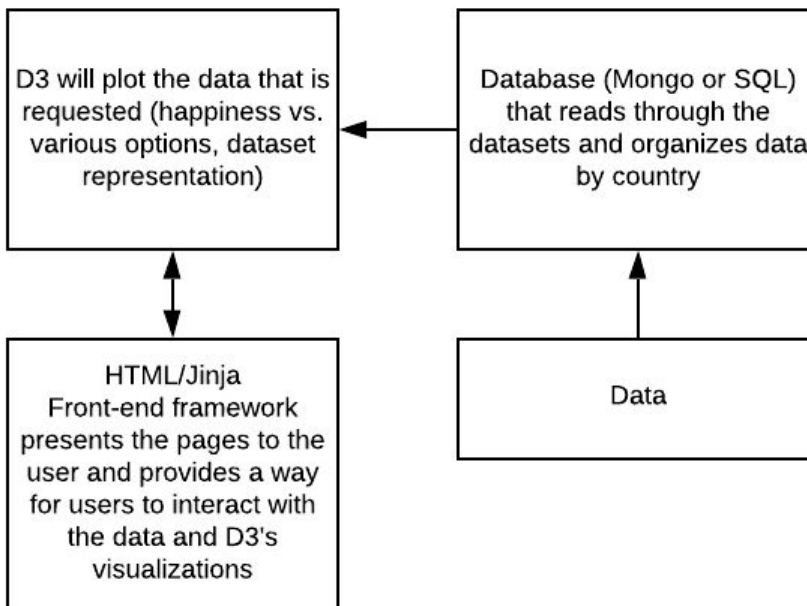
C. World Happiness Report

1. Geographical heatmap of 'happiness' levels

SITEMAP



COMPONENT MAP



**We still aren't particularly comfortable with the scope in which we want to use D3.js, our datasets and the database structure we are planning to use, so the sitemap and component map for this project are pretty basic for the time being. We hope to update it once we have more of a grasp on what we plan to do and the plan of action we want to take to do it.*
