

brimless-yankee :: Ahmed Sultan, Joseph Yusuf, Nahi Khan and Vishwaa Sofat
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 in 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. 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 (and GDP Effect)
5. Happiness vs. ROL (Rule of Law)

II. Extra Features

A. QS World University Rankings

1. Geographical heatmap of world university concentrations

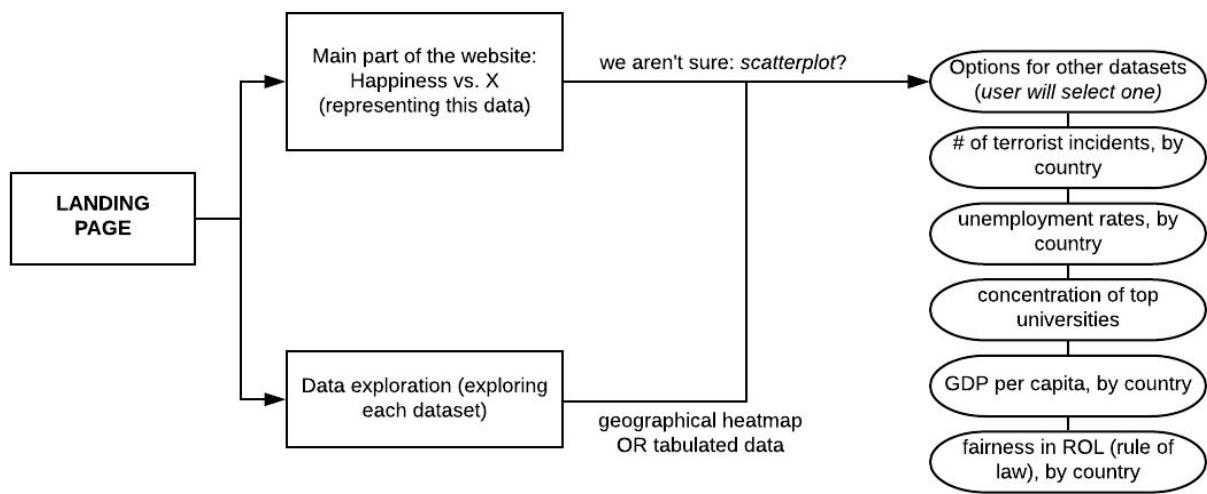
B. Global Terrorism Database

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

