Project:

Self-Explaining Chart Using D3js

Description:

As a part of public safety, the City of Chicago Police has recorded all the criminal activities in the https://data.cityofchicago.org/Public-Safety/Crimes-2015/vwwp-7yr9 portal. There are several crimes which occurred last year like Burglary, Theft, Sex Offense, Motor Vehicle Theft, Offense Involving Children and many other. I had taken the Theft and did an analysis report on this particular area. The application will draw a pie chart explaining how the rate of crime in each category under "Theft".
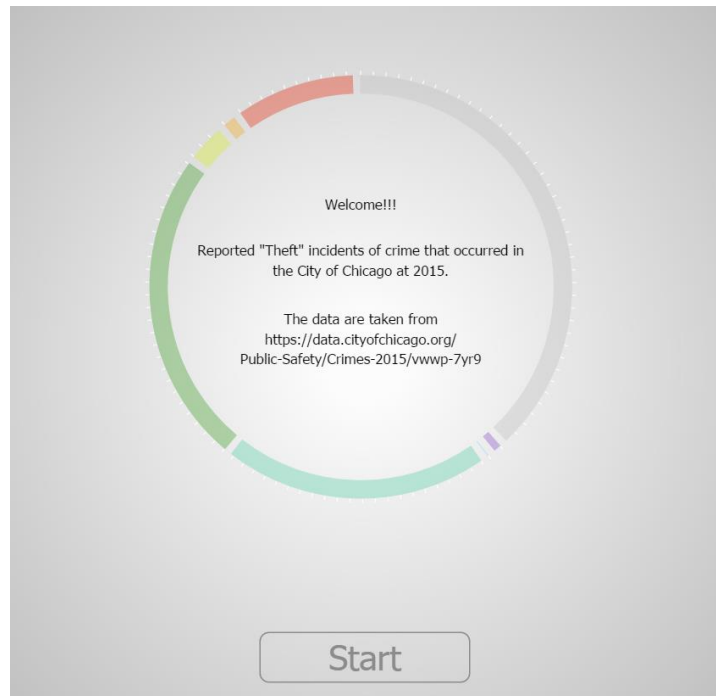
How it works:

The web page will have a start button, which will start drawing the arcs depending on the data where the web page by itself gives the pause and does the animation without user interference. Each value in the pie chart describes each category in the Theft area and each value is represented with different colors. The user can predict the timing with the help of progress bar in the web page.
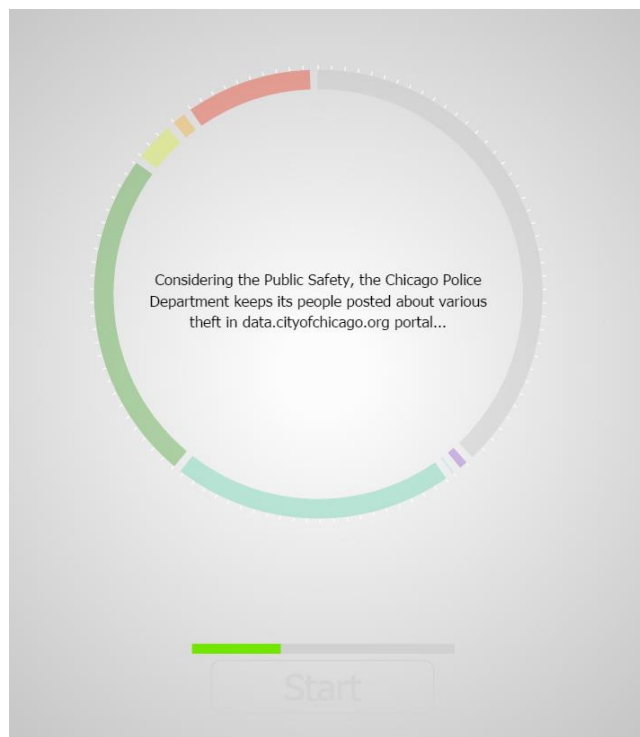
Issues faced:

- Doing transitions between the text and the arcs.
- Setting up time frame for displaying each category in the chart.

Screenshot:

(Start page of the application)

(Example for Progress bar)

Technology:

- JavaScript

- JQuery

- D3js v3

- BootStrap 3.3.2

- OS – Windows 10 64 bit

Steps to run

1. Click on start.

2. The animation will begin

3. Click on Ok

4. First arc will be drawn

5. Click on Continue to view the rest of the animation and the report.

Things leared:

- D3 Js

- JQuery

- Bootstrap