Nielsen Coding Challenge   Jiajun Chen

The objective of this challenge is to parse a csv file and generate a bar chart of the data.

Requirements:

- Multiple data should be colored differently and aligned next to each other above each label.
- The data visualization part should not rely on any existing charting libraries.
- Number of data fields should be read dynamically.

Getting Started

Installing

Simply unzip the file and you should see files and folders as the following:

```
.
├── css
│   ├── materialize.css
│   ├── materialize.min.css
│   └── style.css
├── data
│   ├── data-original.csv
│   └── data.csv
├── js
│   ├── materialize.js
│   ├── materialize.min.js
│   ├── papaparse.min.js
│   └── script.js
└── plot.html
```

Running the tests

Open plot.html and you should see the following:

File selection / drag & drop

For your convenience, this page provides two different ways of file input:

File selection: By clicking the "File" button, the popup will direct you to the data file.
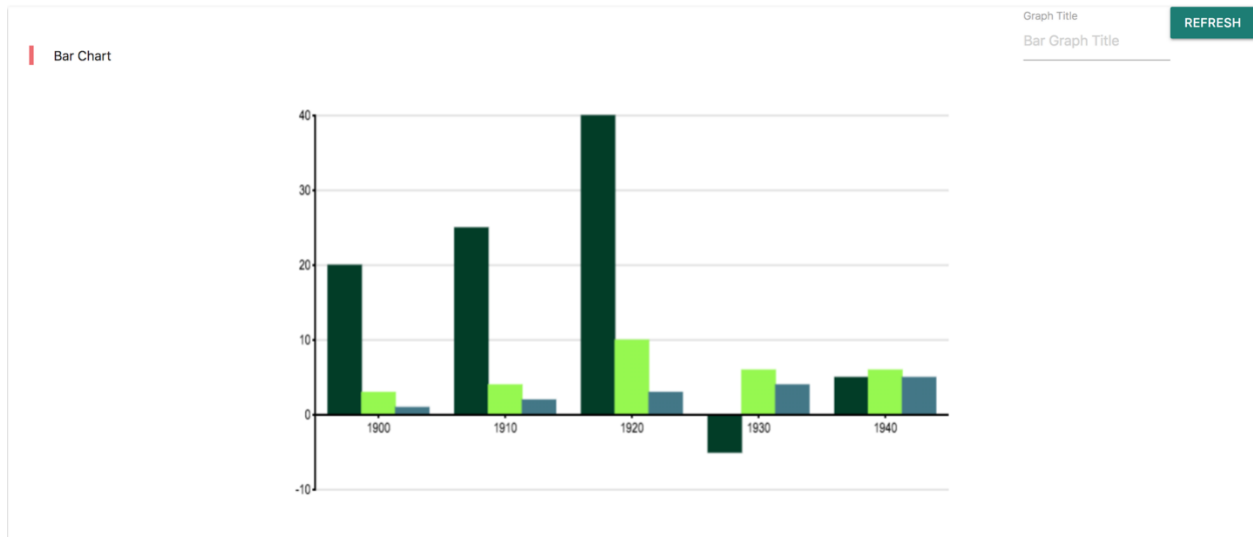

Drag & drop: You can also drag the data file into this area to import the data.

Plot bar chart

Once the data file is fully loaded, the bar chart will automatically show up. (**Note**: I added one more column in the test dataset thus it has three rectangles on each label)

The color is automatically generated. If you don't like the current color selections, you can press "Refresh" button to use other colors. You can also enter title for the graph.
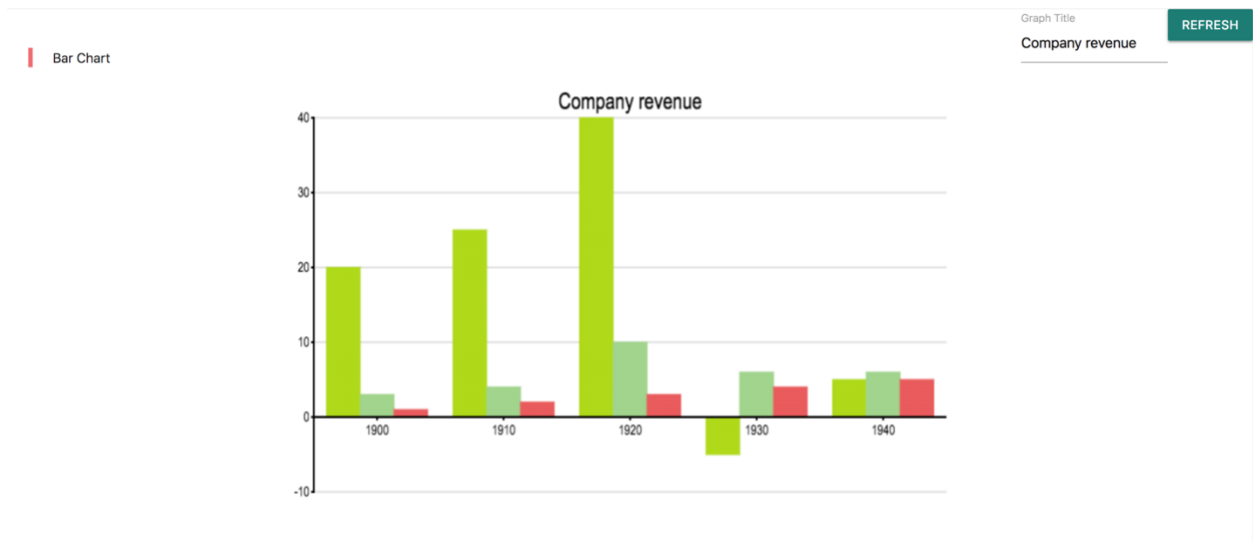
Built With

- jQuery – Required by the materializecss styling library
- Materializecss – Provide theme and styling