URBAN MISERY

CS171 README

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Project URL:
http://urbanmiz.github.io/nerds

Screencast URL:
https://youtu.be/q_NkTtOJ9Kk

Libraries Used:

- React.js
- D3.js
- D3 Tip
- Google Maps API
- Webpack JS
- Various small helper utilities; complete list in `package.json`.

All visualizations on the transit map page are pure D3; no helper charting libraries were employed. Mike Bostock's bar chart and parallel coordinates examples and our CS171 labs were used as a basis for several charts.

Visualization Features:

Main Map:

- Toggle between different demographic data set (choropleth)
- Line Map: see MBTA routes on the map.
- Frequency Map: see service frequency on MBTA services with colors
- Congestion: see the passenger enterings/exiting the stations by time of day. An animation is available. This is only available for rapid transit lines Red, Blue, and Orange due to the way data is collected (see Process Book).
- Hover over the Block Groups to see key information
- Hover over transit line to see service frequency.

Select one Block Group geographic units by double clicking on the main map to do the following:

- View specific details about on selected one Block Group
- See the distance from this geography to MBTA transit stations.

Select at least three Block Group units by double clicking on the main map to do the following:

- Compare the Block Groups demographic information on a Parallel Coordinate chart.