

The project is a simple application that allows the user to get and visualize different statistics on a map. This includes population data, multiple stats about migration between states and total population change. User can choose which data is shown on the map and what is shown in the tooltip for each state. The user can change how the map is colored.

I used the leaflet library to get the map and coloring and used a geoJSON from Statistics Finland's database to get the state areas on the map. OpenStreetMap was used as the background map. All the purely numerical data is from Statistics Finland's API. I used the bootstrap library to make the layout of the application and made it scale to different sized screens.

The project includes the following features:

3p Well written PDF report

4p Application is responsive and can be used on both desktop and mobile environment

3p Application works on Firefox, Safari, Edge and Chrome

2p The application has clear directory structure and everything is organized well

3p The application show relevant data on a map and user has change to change the data

2p User is able to switch between different layers of data on map

4p By clicking the map user has an option to get to additional charts covering that area

4p There are more than two items of data available (e.g. elections data, employment rate and number of residents) – this means that there are two API calls made

2p Users can define what should be done to different data items (e.g. values are added, multiplied together etc. before visualization)

In total: 27p