

## Web applications project work

I created a statistic portal for the 2017 municipal elections results. The application has a chart and map showing relevant data related to the election, previous year's results, and the municipalities. Application has instructions on how to use it.

The application uses data related to the election results and the municipality. All data is from Tilastokeskus.

I used Leaflet to create the map and Frappe to create the chart. I got the font from Google Fonts. I coded and tested the application with CodeSandbox and used Github and CodeGrade for submission.

## Points generated from the course project

Feature	Justification	Points
Well written report		2/2
Application is responsive and can be used on both desktop and mobile environment	HTML element's size and page layout scale responsively. Application is usable and nice looking on desktop and mobile.	4/4
Application work on Firefox, Safari, Edge and Chrome	I've tested all of this on both desktop and mobile	2/2
The application show relevant data on a chart and user has chance to change the data	Chart shows how votes where divided between parties for a city. User can change this city via search or map click. User can also see the academic degree rate and unemployment rate if desired.	3/3
The application show relevant data on a map and user has change to change the data	Map shows data related to the 2017 municipal elections. User can change between three different data layers. More details can be seen when clicking on area. Map is colour-coordinated and has a legend.	3/3
User is able to switch between different layers of data on map	Map has three different data layers: top party, dominant gender of councilors and vote percentage. Although this feature overlaps with the previous one I still think I'm justified for full points on each.	2/2
By clicking the map user has an option to get to additional charts covering that area	User doesn't get additional charts but the main chart works interactively with the map. By clicking on the map when the top party - layer is selected, the chart updates automatically when chart is clicked.	2/4
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	There are lots of data items available. I use four different URLs in API calls and 4 different POST queries that are also modified.	4/4
Able to download the visualization as a PNG (or SVG) image	Visualisation of the chart can be downloaded as an SVG image.	2/2
<b>Total</b>		<b>22</b>