

ItWP Project work: Statistic portal

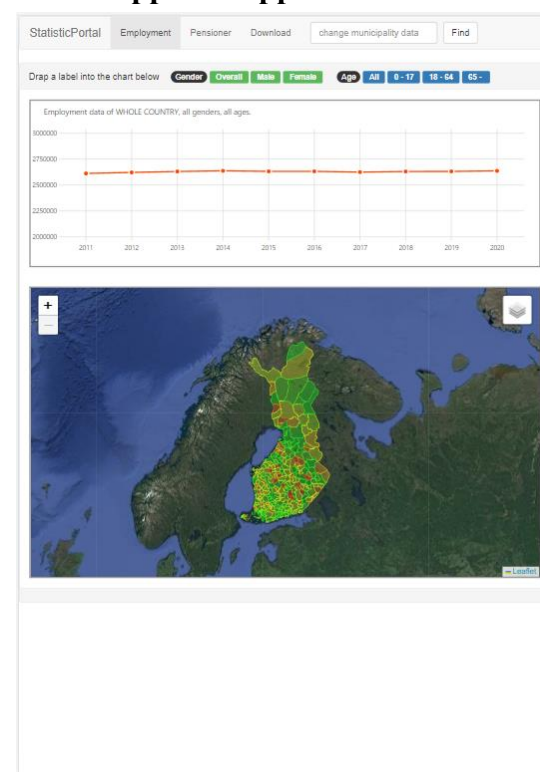
Shangqi Zhao

000206163

Points Proposal

Feature	Max points
Well written report	2
Application is responsive and can be used on both desktop and mobile environment	4
Application work on Firefox, Safari, Edge and Chrome	2
<Your own feature: describe why should it be accepted>*	n
Drag'n'drop new data to charts/maps	4
The application show relevant data on a map and user has change to change the data	3
The application show relevant data on a chart and user has chance to change the data	3
User is able to switch between different layers of data on map	2
By clicking the map user has an option to get to additional charts covering that area	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 (updated 21.10.2022)	4
Able to download the visualization as a PNG (or SVG) image	2

- Report is here, and please **note: introduction on how to use the app is in app's main page**
- App works both on mobile & desktop
Demo for app work on mobile simulation →
- App work on Firefox, Safari, Edge, and Chrome
- Data in the map can be changed by switch layer
- Data in the chart can be changed by drag/input/click map
- Drag label into chart can change data
- The map has 2 layers show data for 2 years
- Click municipality in the map switch data in the chart
- There are employment and pensioner data
- Data in the chart can be downloaded as PNG



Why should it be accepted

Everything mentioned in the course is covered in my work. I used async functions and fetch API to get the information, frappe chart and leaflet map were used to visualize the data, canvas related tool to save image, I also used bootstrap to realize interactive design and better usability. Generally, my work implemented what it should.

Used tools

Frappe-Chart

Leaflet

Bootstrap

Html2canvas

Django

Please note

Django is only used for serving static files and jump pages, all the project requirements related code are written in HTML, CSS, and JavaScript, Django didn't used for any backend or database support. Use '*python manage.py runserver*' to run the project

More detailed Introduction on how to use the app and points proposal are at the main page of the app, please check.

Screenshot of project data page (desktop, mobile at previous page)

