

# Dataprocessing week 6

Design document  
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## Data

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Data is gathered from the world data bank. I've tried to combine two different datasets this assignment. To show the percentage of elderly people in all countries of the world. I have also gathered the percentage over the year.

The data that was reproduced by the world data bank was unusable at first, by converting about 60.000 lines of code semi-manually I made the code useable for my scope.

## Design

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### Webdesign:

- I used a bootstrap template and abstracted what I needed from the template to create my own website.
- The menu items in the header are clickable and will take you to the represented page height.
- The website is semi-responsive. I wasn't able to make my SVG elements responsive, due a lack of time
- I have created a small 404 page for when a error occurs.

### Worldmap:

- The map shows every country and starts with data from 1960.
- All countries are colored via a gradient, based on the percentage of elderly people.
- The mouse over attributes will clarify the location of the cursor.
- The data on the worldmap can be updated via the silder.
- More detailed data of a country can be viewed when clicking the concerned country.

### Barchart:

- The chart shows one the detailed data of one country.
- The current year is highlighted.
- The graph will update if a new country is selected.
- The graph is invisible upon loading the website. This way the graph will be made once.
- In a mouseover event the values will appear in a span within the html