

Week 7: Dashboard – design

Data Processing

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The data contains information about alcohol consumption per capita. Most important is that the user can extract information about alcohol consumption quantities per country. The interactive world map was designed for this purpose. It gives an overview of all countries, which all have a colour that specifies the amount of alcohol consumption (by making use of the legend the user can get insight about how much this is). For this part of the visualization d3's Datamaps library was used.

The colors were chosen in such a way that they imply hierarchy in a natural way. Also the "hover" color was adjusted to make the hover more easily distinguishable.

The data also contains information about what kind of alcohol a country's average inhabitant consumes. So this second part of information is more qualitative. To keep the visualization easy to read, this second part of information is isolated from the quantitative information that is provided in the world map.

When the user clicks on a specific country, he is lead to a pie chart which specifies the types of alcohol consumed in that country. A pie chart was chosen because the data contained percentages. Representation of the data in this way is more insightful than drawing bar charts. For this part of the visualization d3's d3pie library was used. In the end the user should be able to get useful insights about worldwide alcohol consumption and alcohol type preferences.