## **Questions D3 Homework**

not used.

1 How can D3 access and change the DOM? What do select and selectAll do?

with d3.select() and d3.selectAll(), with select you only select one group of the select element e.g "body". with selectAll you select more groups of the same element name e.g "td"

- What are the d and i in function(d) {} and function(d, i) {}?
  with the function Data() you can later use d in this functions above to call the data and use datapoints containing in d (called with data(yourdata)) in the function.
- Write sample lines of JavaScript to add a div element with class "barChart1" and to add an svg element with class "barChart2" with square dimensions.

Describe append, update, enter, and exit at a high level. What does "selectAll + data + enter + append" refer to?

Selecting the elements wanted, creating the data with .data, adding them to the elements that does not exist yet with enter as a placeholder. Next exit the elements

What are the main differences between drawing a bar chart with HTML and SVG?

SVG uses xml datapoints, HTML Canvas uses just pixel drawing.

In drawing the simple bar chart with D3 and SVG, what elements were appended, and to what parts of the graph did these elements correspond? SVG and rect where appended. The SVG is represents the whole graph, the rects are append to it with a function and depending on the data