

Assignment 3

Objective: To draw preliminary visualizations using D3

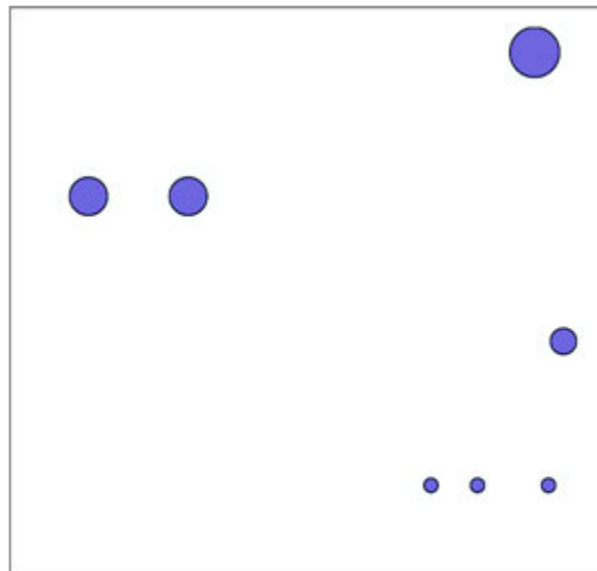
Deadline: 5 PM, Oct 8, 2021

Description: In this assignment, you will use your previously created interface to draw a scatter plot and a bar chart. In the input box you will provide a dataset in CSV format. Here is an example:

```
"label","population","country","x","y"  
"San Francisco", 750000,"USA",122,-37  
"Fresno", 500000,"USA",119,-36  
"Lahore",12500000,"Pakistan",74,31  
"Karachi",13000000,"Pakistan",67,24  
"Rome",2500000,"Italy",12,41  
"Naples",1000000,"Italy",14,40  
"Rio",12300000,"Brazil",-43,-22  
"Sao Paulo",12300000,"Brazil",-46,-23
```

Then you will select one of the check boxes: scatter plot or bar chart. And after pressing the submit button, a layout will be generated in the output.

If you select the scatter plot, then use the index of the data point as the x coordinate of the plot. And use the population as the y coordinate. Also set the circle area proportional to the corresponding population. The output should look like this (note that different value of the data will generate slightly different plot):



If you select the bar chart, then again use the index as the x coordinate. This time use the population as the y coordinate. But do not directly use the population, use appropriate scaling. The output should look like this:



This is an individual project.