



Data Visualization

Lab - 2 - Linking Charts, Tooltips

Useful Tutorials

- https://github.com/UBC-InfoVis/447-materials/tree/22Jan/tutorials/2_D3_Tutorial_Making_Chart
- https://github.com/UBC-InfoVis/447-materials/tree/22Jan/tutorials/4_D3_Tutorial_Basic_Interactivity
- https://github.com/UBC-InfoVis/447-materials/tree/main/tutorials/1_D3_Tutorial_Intro
- <https://observablehq.com/@d3/gallery>
-

Scales, Linking Charts and Tooltips

- Usage of xScale, yScale.
- Linking charts
- Tooltips: jquery qtip: <https://www.cdnpkg.com/qtip2/file/jquery.qtip.min.js/>

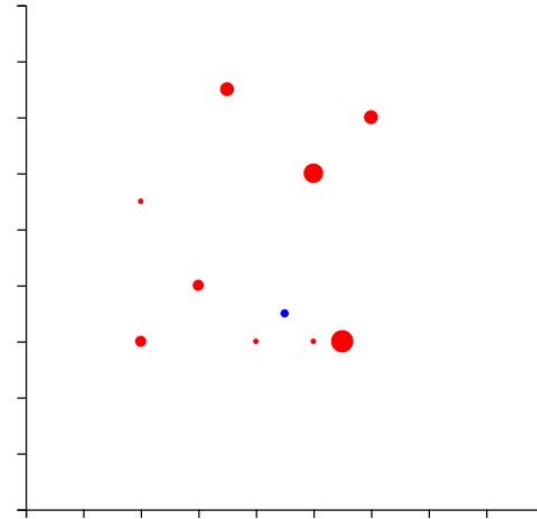
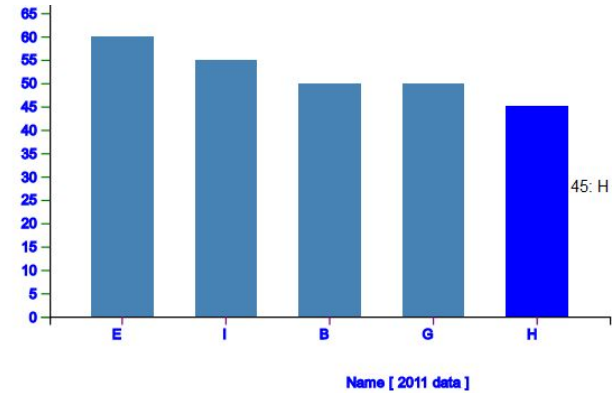
Lab1 Deadline: **29th March 2023 23:55PM**

Submission Format -

```
- <Roll Number>  
  ---- lab2.html  
  ---- (misc)
```

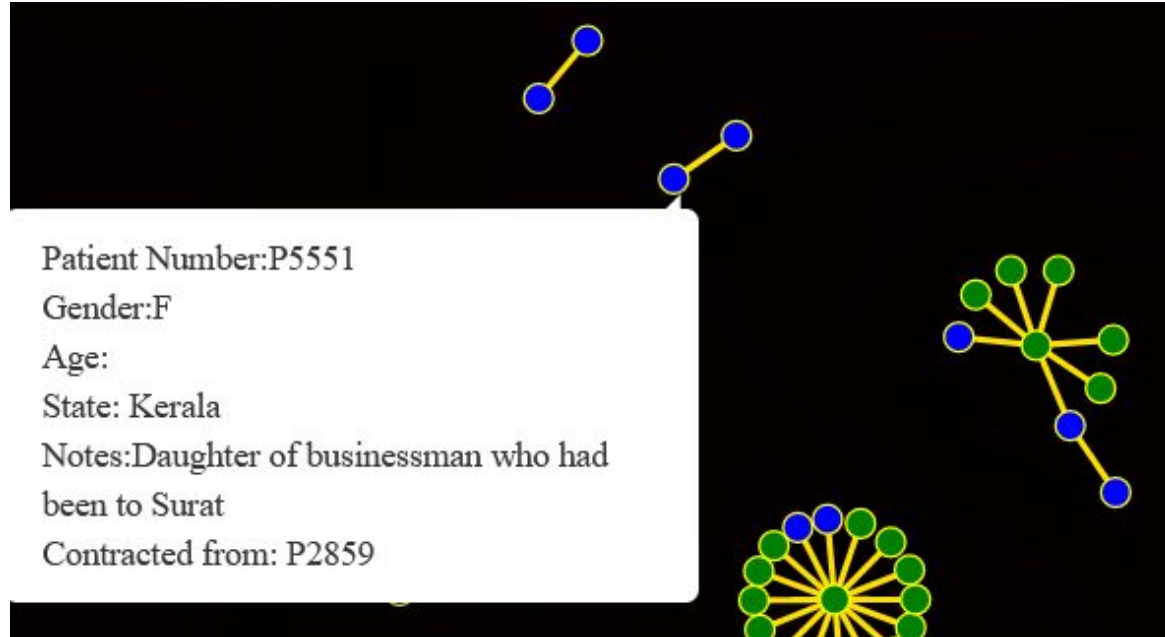
Q1

1. Combine the scatter and bar chart from previous lab, add linking between scatter and bar chart. Each hover should highlight the bar and the corresponding point on scatter.



Q2

1. Add tooltips to both your charts. Use a custom tooltip library like *qtip.js*. Display the data of the chart inside the tooltip.



Resources

- <https://github.com/d3/d3/wiki>
- <https://observablehq.com/@d3/gallery>
- <https://d3-graph-gallery.com>
- <https://gist.github.com/mbostock/3885705>