Data Visualisation Lab 1

Spring 2024
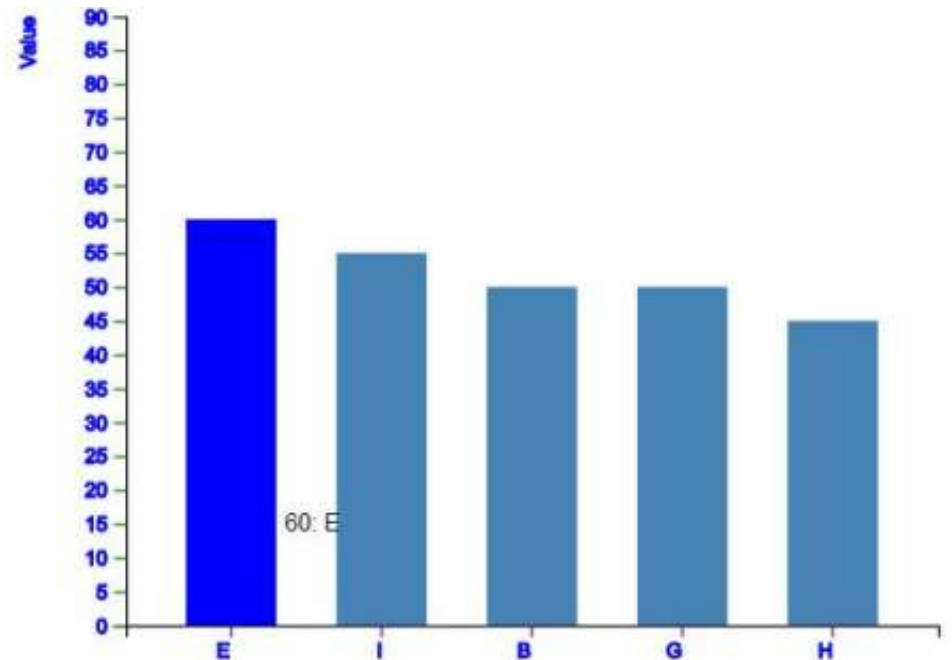
Q1

Bar chart :

Data: yearwise.csv (2011 data)

- Create a vertical bar chart for names vs. X
- provide axes and labels.
- Add hover/click events to highlight the bar
- Add tooltips to the bars showing name and X value.
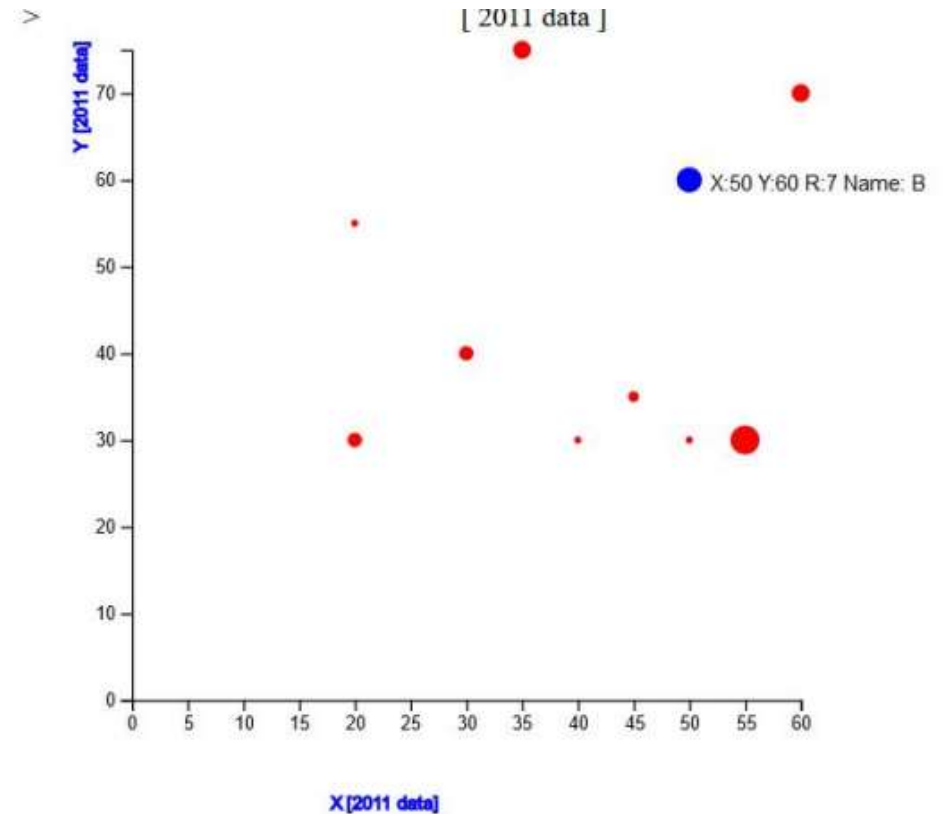- (Bonus) User can choose the color scheme of the graph using a dropdown

Q2

Scatter plot

Data : yearwise.csv

- Plot a scatter plot for the 10 places :
- X,Y are the centres and R the radius of the circles.
- Add tootips to show the X , Y and radius values on hover

Q3

Line chart

Data : unemployment.csv

- Create line chart from the data given.

- (Bonus) Convert it using time api such that the line grows from zero to its final value over some time

Q4

Stacked Bar chart

Data: oscar_categorywise.csv

- Create a stacked bar chart to represent the percentage of Non-white nominees in each category.

- Add tooltips showing the category-wise division on hover

- (bonus)Highlight the bar (change width and color) on hover