Lab-3 Exercises

1) Linking models:

➔ For data given in file ‘First.csv’ plot the bar graphs and scatter plots as done in the last lab.

➔ Both the plots should be controlled by the same slider for the year i.e changing the year through the slider will result in a bar chart and scatter plot for that year.

➔ As only top 5 values are being presented in the bar graph, so when you hover a bar the corresponding circle on the scatter plot should change its color.

➔ While hovering over the circles on the scatter plot if the corresponding bar is present (in top5) in the bar chart then change colour for both of them to blue, else change colour for them to be orange.

2) Bar Chart Race:

➔ Replicate the bar chart race visualisation as presented here for the icc test rankings for batsmen and bowlers over the years.

➔ The dataset for the rankings can be found here.

3) Network of Covid-19 Transmission:

➔ Following the example of creating networks using d3 force(as done in the lab), come up with a network transmission visualisation for covid-19 disease in India.

➔ The dataset can be found here.

Submission:

Submit a single file rollnumber.pdf consisting the links for your published notebooks(separate notebook for each question).