Tool used for Visualization: Plottable JS

Total number of visualizations created: 4

Visualization Types:

a. Stacked Bar Plot
b. Pie Chart
c. Stacked Bar Plot with Pointer Interaction. Hover mouse pointer over the Bars.
d. Area Plot

Dataset worked on: Electronic Health Record Data

Visualization Descriptions:

a. Stacked Bar Plot:
   - Plotted the Stacked Bar using Plottable JS visualization tool. The chart shows the TBI Age vs Post_Max_Days by Age Group wise.
   - The Post_Max_Days are demoted by the Blue Lines and the TBI Age is denoted by the Black Bars.
b. Pie Chart:
   - Pie chart shows the number of patients suffered from TBI according to their Patient ID.
   - The legend is shown for the Patient IDs.
c. Stacked Bar Plot with Pointer Interaction. Hover mouse pointer over the Bars:
   - Stacked Bar Plot with Pointer Interaction. Hover mouse pointer over the Bars chart shows the TBI Age vs Post_Max_Days by Age Group wise.
   - User can hover the mouse over the bars to see the selection effect.
d. Area plot:
   - Area plot shows the number of patients suffered from TBI according to their Patient ID.
   - The area plot is simply the visualization which shows some area covered by the actual data.

I chose the Plottable JS because it is built on the D3 and it has wrapped the basic classes and features of the D3. So using Plottable JS user can easily access the basic functions and features of D3 easily and without extra efforts and use it efficiently in the code.