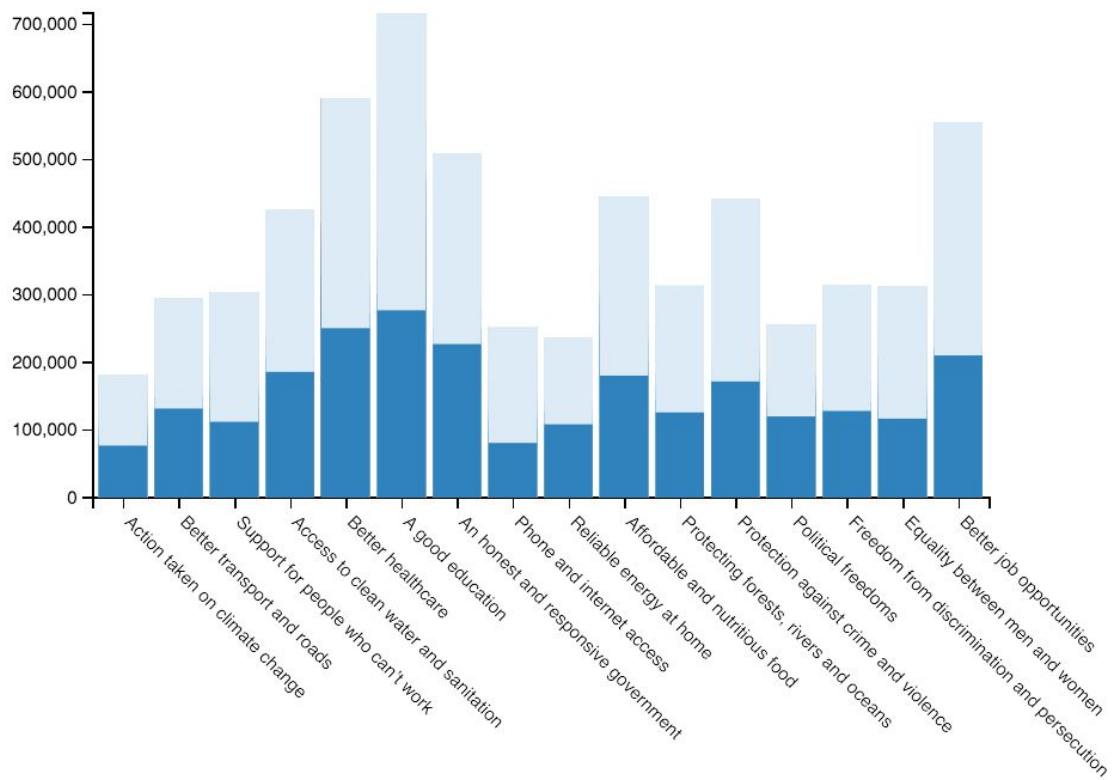
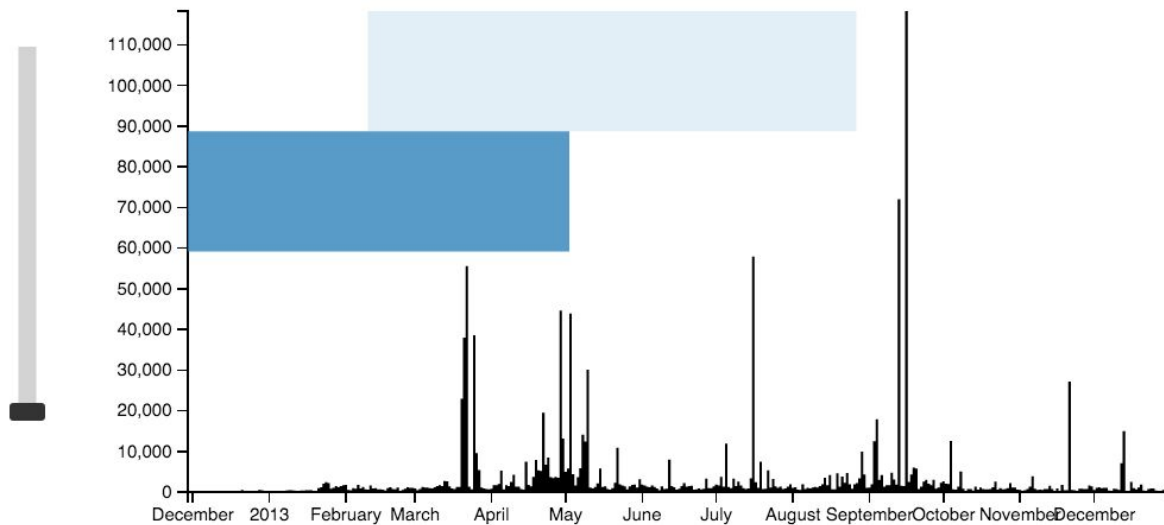


Q4.a)

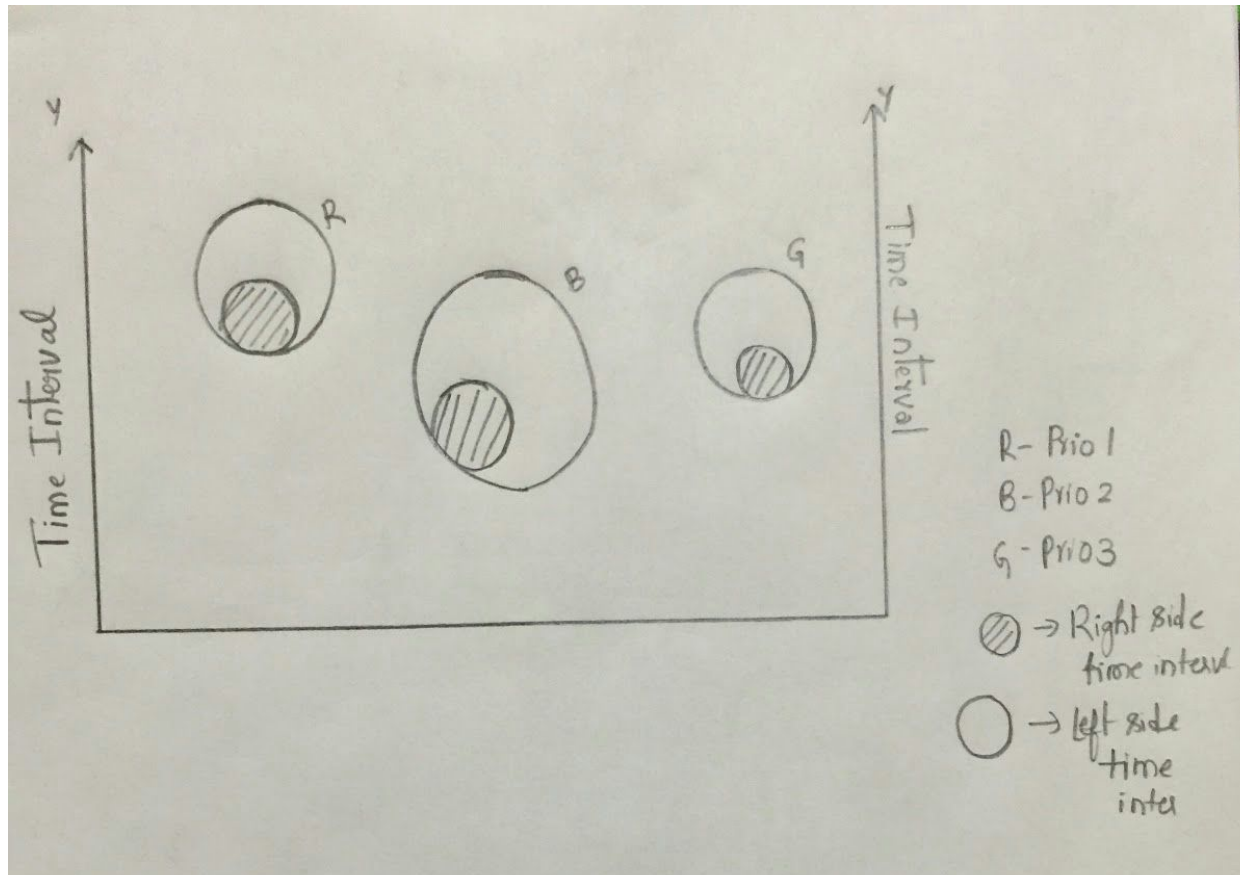
Comparison of two selected time intervals.

Design 1:-



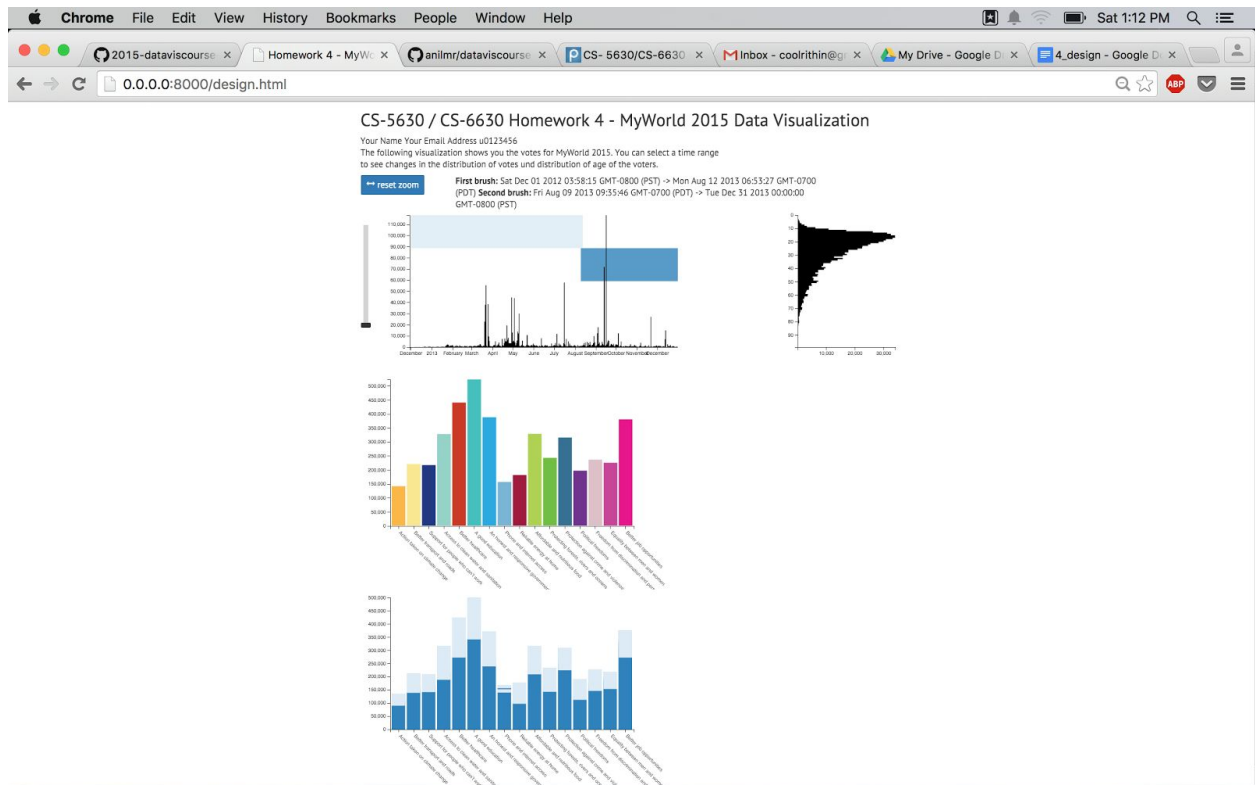
In the design shown in the above picture, if a user wants to compare the data from two different time intervals utilizing two brushes to select the time intervals. We can make use of two-pair bar chart which would readjust itself to the data that is being selected by the two brushes provided in the interactive chart area. This design is visually appealing as the it gives the freedom for user to provide his two time intervals using the brushes and observe the variations in the number of votes casted for a particular priority in time chosen.

Design 2:-



In the above design, we can see that comparison of data from two different time intervals is given in the form of a bubble chart. Where in each circle has an inner circle, pair of circles inside each other belongs to a particular priority. The size of the circles is proportional to the number of votes cast for that priority and pattern of circles denote the side from which the time interval is chosen. We can keep one interval constant and vary the other from starting to ending time and see how the circles changes to get an idea of how the data changed over time.

Q.4c)



In the above screenshot we can see that, approximately the cumulative number of votes for the particular priorities in the last 1/4th of the time is about 3/4th of cumulative number of votes for the priority in the first 3/4th of the time. This shows that there are large number of votes being cast in the last 1/4th of the time.