

DATA Analysis And Visualization
Fall 2022

Semester Project



Course Instructor: Sir Faisal Cheema

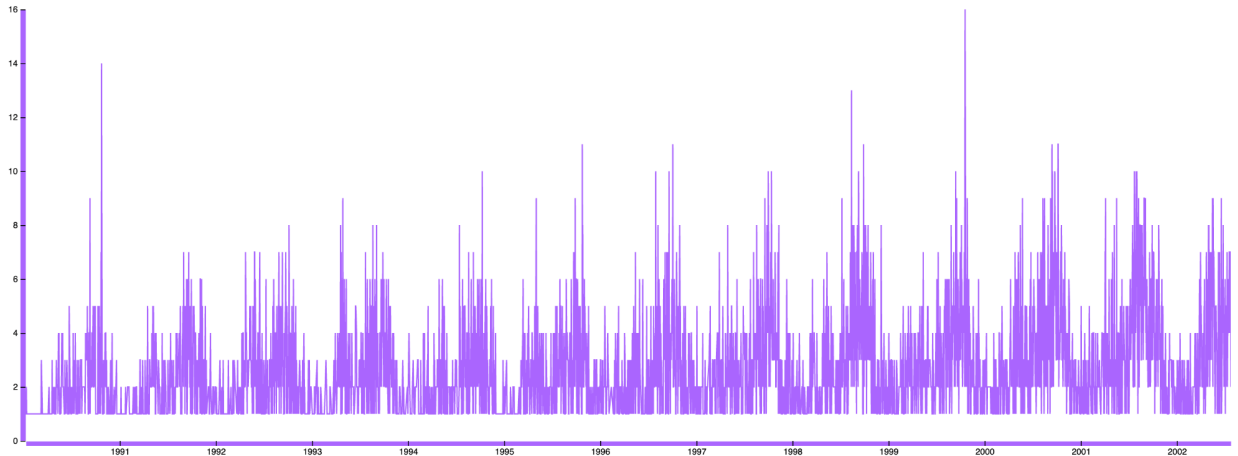
Submitted By:
20I-0894 Abdullah Khan
19I-1867 Hamza Gulzar

Zooming/Panning: Available

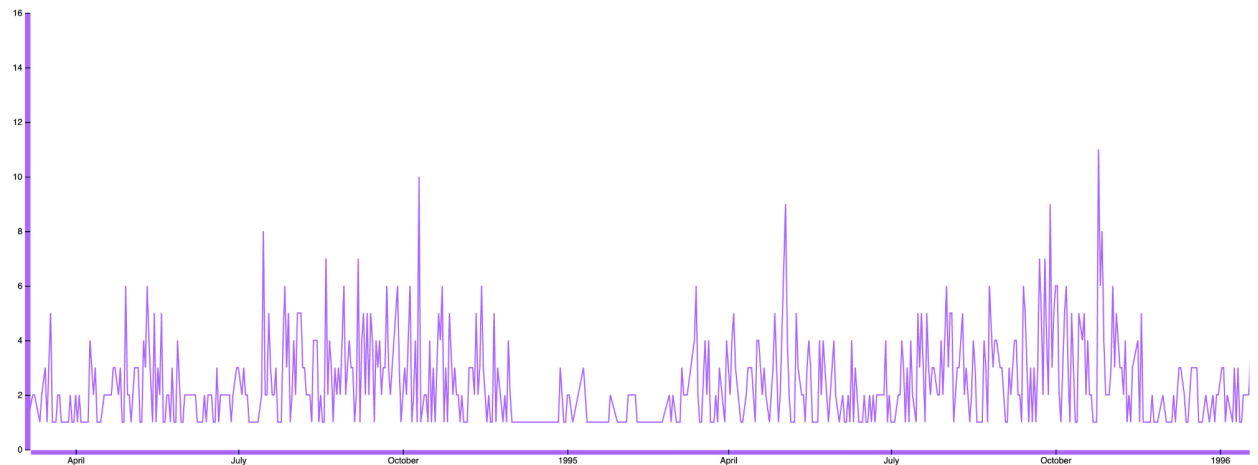
2. Timeline visualization:

This visualization is to represent the date of the bird strikes against our dataset. This visualization will also act as a visual filter for the user to select a specific timeline.

Visualization Snapshots:



After Brushing:



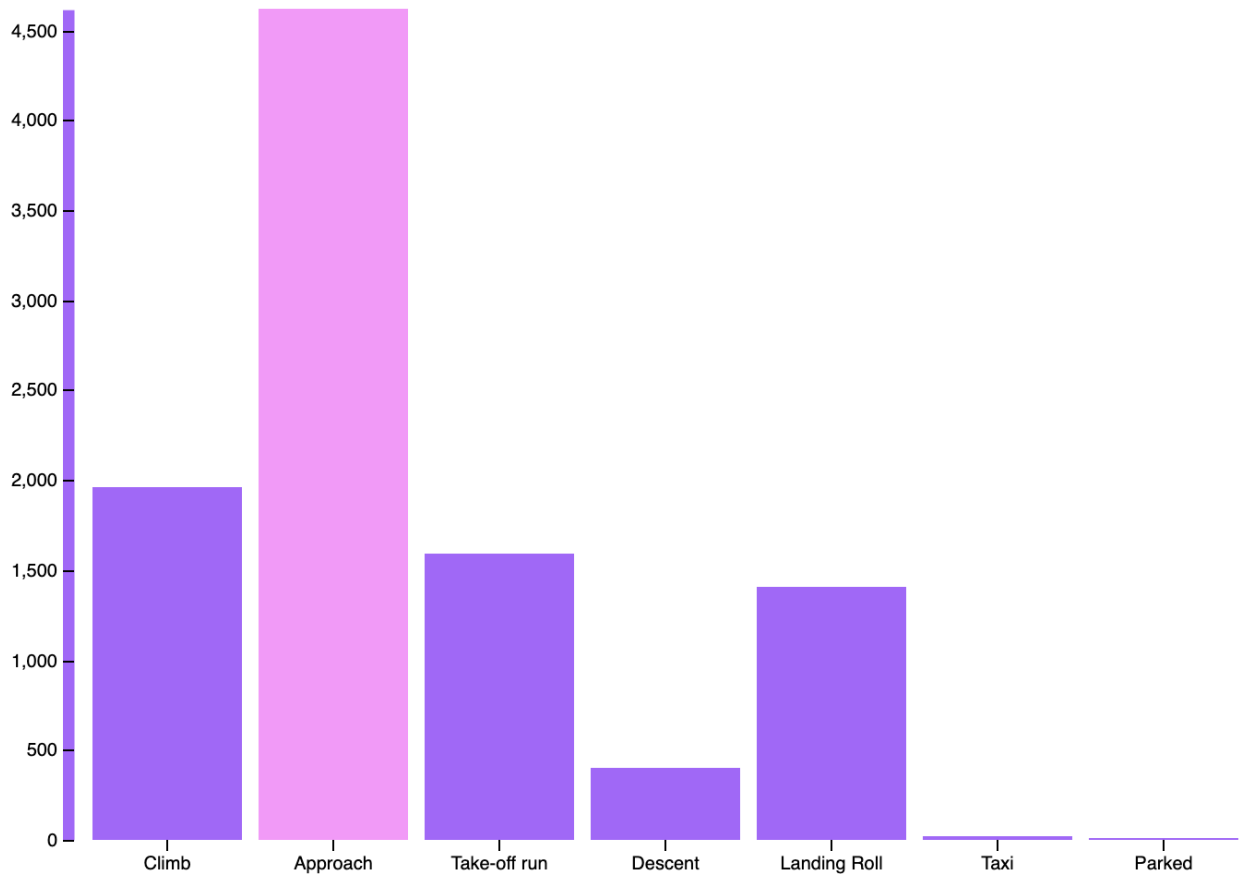
Brushing/Linking: Available

3. Graph Visualization:

This visualization will work coherent with the specific timeline the user chooses in timeline visualization. It will form a graph representing all the remaining features of the dataset and to show how much impact each factor has (bird strikes, affected airports etc) .

Graph Visualization chosen: Bar Graph

Visualization Snapshots:



Zooming/Panning: Available

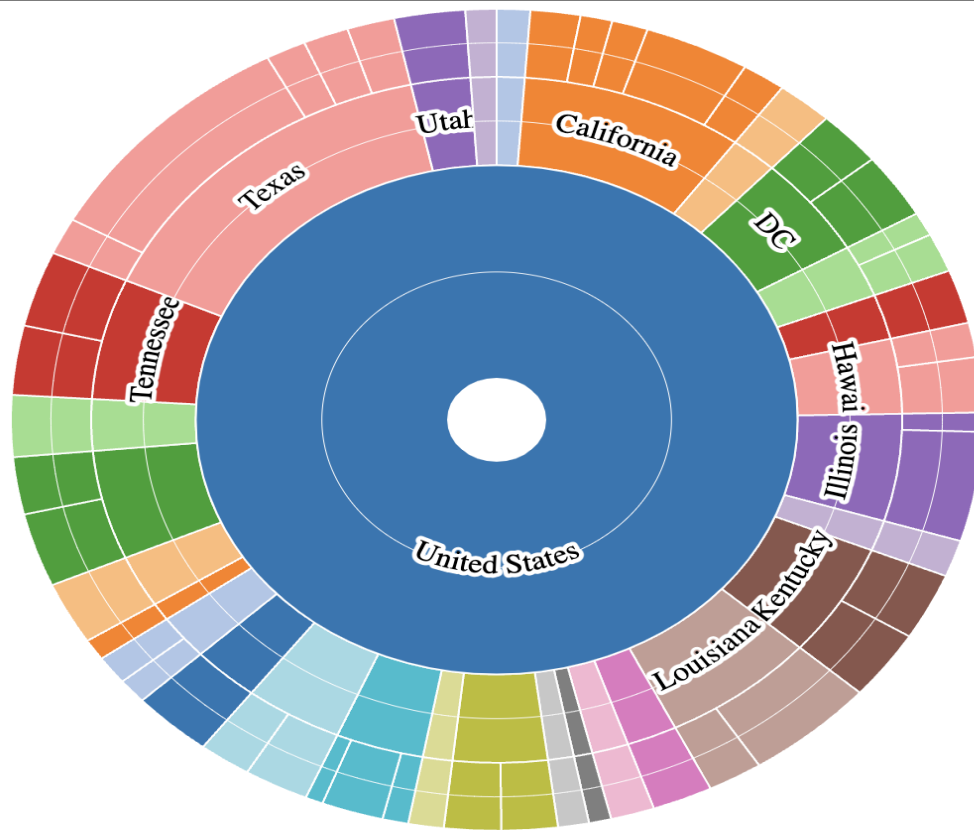
4. Hierarchy Visualization:

Requirement: To represent requirement is to visualize the total number of bird strikes on the different airports of each origin state

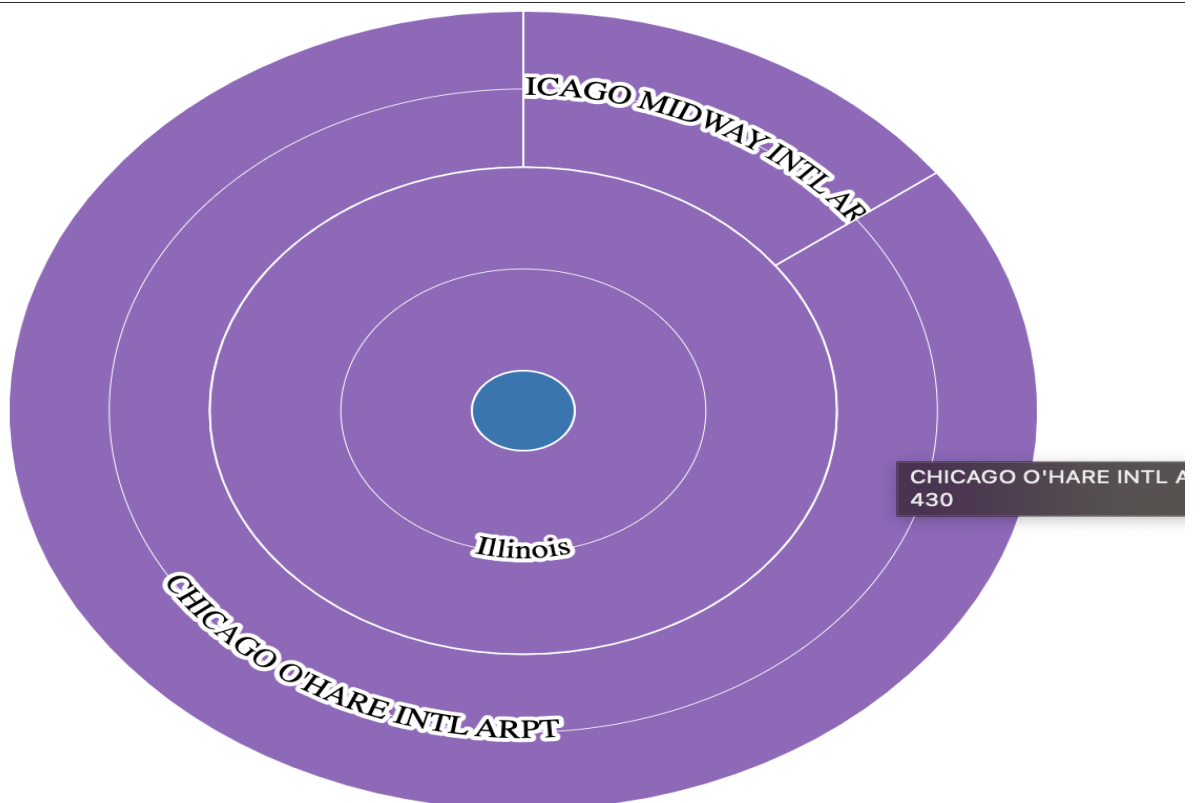
Hierarchy Requirement: The Parent node will be the state of the children nodes will be the airports and the number of bird strike occurrences.

We chose the following hierarchy: Sunburst

Visualization Snapshots:



With Selection:



Zooming/Panning:

Selection: Available

Brushing/Linking: Available without linking

D3 version: v4 and v7

