Information Visualization Project:

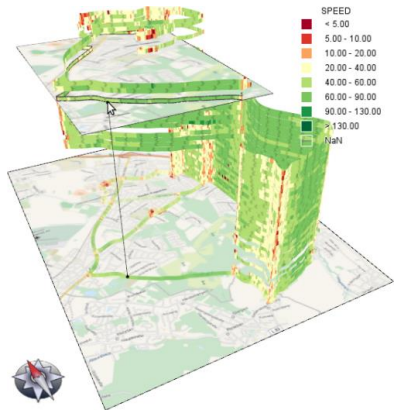
Dataset:

Trip Info:

Av_Speed, Distance, Duration, Start_time, End_time, Max_Speed, Min_Speed, Street_Names, Taxi_ID, Trip_ID

Tasks:

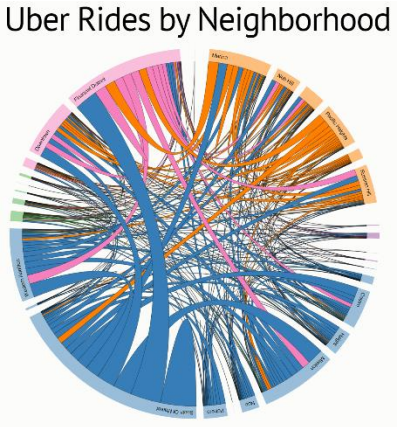
1- Space Time Cube Visualization **(Level 1)**

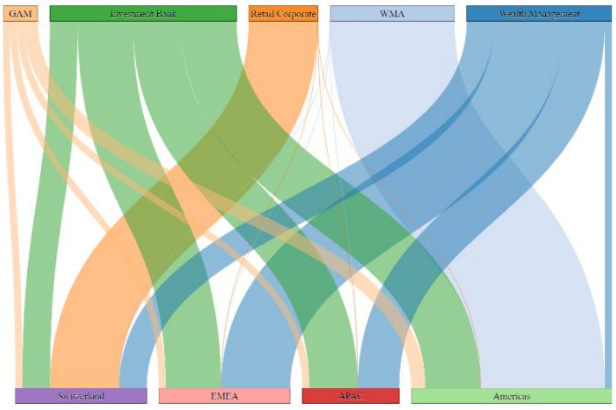


Helpful Links:

1- Link1
2- Link2
3- Link3

2- Show the top pick-up and drop-off street names with its relation by using an Interactive **Chord Diagram** or **Sankey Diagram**. **(Level 2)**





Helpful Links:

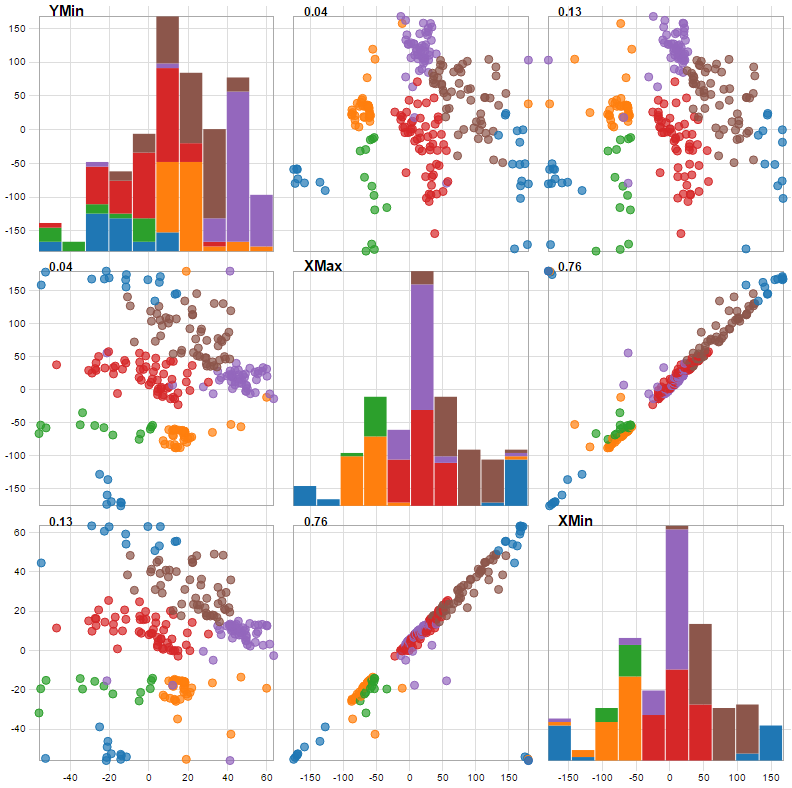
1- Link1
2- Link2
3- Link3

3- Show the most frequent street names by using an Interactive **Word Cloud**. **(Level 2)**

Helpful Links:

1- Link1
2- Link2
3- Link3

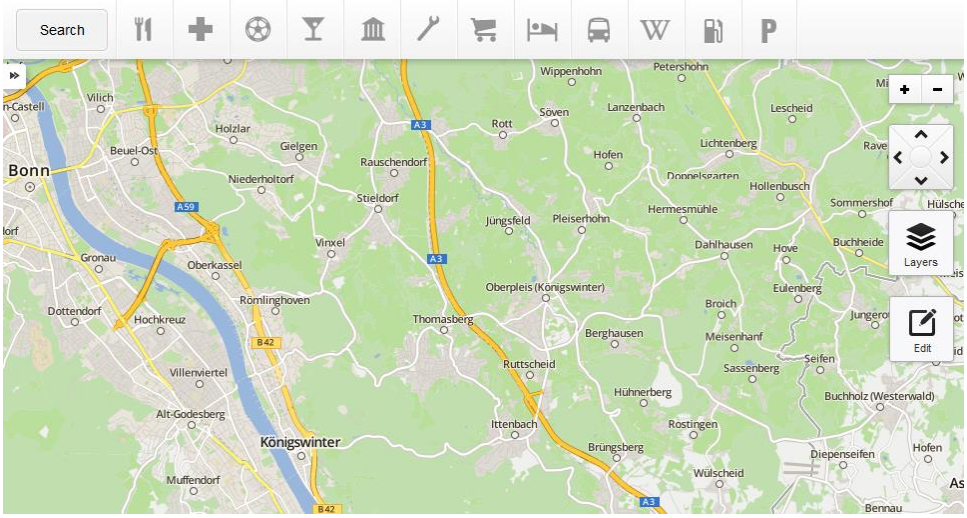
4- Provide an interactive **Scatter-Matrix** to show the relationship between different attributes. For instance, Av_Speed, Distance and Duration. **(Level 2)**



Helpful Links:

1- Link1
2- Link2
3- Link3

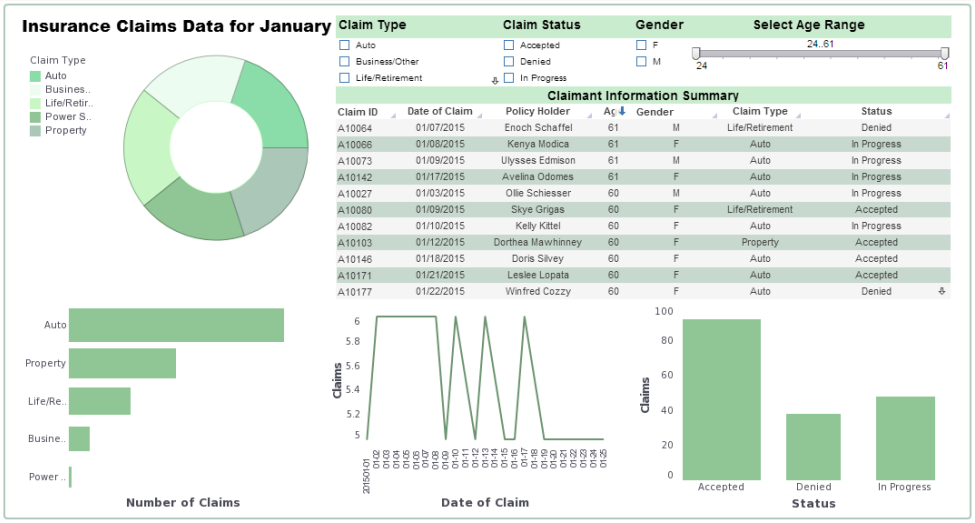
5- Implement an interactive **Semantic Map** that shows different layers and information about the trips. For instance, top pick up and drop off locations or streets. **(Level 1)**



Helpful Links:

1- Link1
2- Link2
3- Link3

6- Implement an interactive **dashboard** that contains different views such as a table or grid to filter or rank trips in visualization view based on different attributes. **(Level 1)**



Helpful Links:

1- Link1
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3- Link3