Build Data Dashboards
Business Analyst Nanodegree

Dataset Used: Flights Delays - USA

1. Dashboard 1 :

   Question 1: Which State has the most number of Cancellations?

   - I have used the Colored **Map Plot** for this question, The plot clearly shows the state with the highest number of cancellation i.e. **Texas (661)** followed by **Illinois (537)** and **California (411)**

2. Dashboard 2 :

   Getting into some detail my **Question 2: Which Airport has the maximum number of Cancellations?**

   - I honestly was a little surprised by seeing **Chicago** with the highest number of Cancellations since, from question 1, I thought some airport from Texas might be with the most number of Cancellations. Chicago was followed by **New York** with total cancellations of about **325.**
   - Here I have used the **Size Marks** and **Map Plot** for the visualization.

3. Dashboard 3 :

   Question 3: Airlines with the most number of Cancellations?

   - Using a **Stacked Bar Chart** for this Visualization
   - **Southwest Airlines**, **Atlantic Southeast Airlines** and, **American Eagle Airlines** have the most number of cancellations whereas **Hawaiian Airlines** has the least number of cancellations with **8**
   - In this chart, A filter is also applied to see plot the graph based on cancellation reason

4. Dashboard 4 :

   Question 4: Delay in Departures per Day of the week and by the city?

   - Using a **Bar Chart** for Delay in Departures by **City** and an **Area Chart** for Delay in Departures by **Day of the week**
   - Again, **Chicago** has the most number of delays of **254047** followed by **Atlanta** with **167006** and **Dallas-Fort Worth** with **145239**.
   - As for the Delay in Departures by **Day of the week, Day 1** of the week has the most number of delays whereas **Day 6** has the least.

5. **Dashboard 5 :**
    - This dashboard was built for comparison between all the overall queries between **Origin State, Origin City, and Airline** like whether how an Airline in performing in which state.
    - It supports the previous visualizations of **Chicago** having the most delay in flights to **Texas** having the most number of Delays as per state

Note:
All the Dashboards are Hyperlinked. Even though I have added the links below

I. **Dashboard 1**
https://public.tableau.com/profile/j2729#!/vizhome/Udacity-BAND-Project5/Dashboard1
II. **Dashboard 2**
https://public.tableau.com/profile/j2729#!/vizhome/Udacity-BAND-Project5/Dashboard2
III. **Dashboard 3**
https://public.tableau.com/profile/j2729#!/vizhome/Udacity-BAND-Project5/Dashboard3
IV. **Dashboard 4**
https://public.tableau.com/profile/j2729#!/vizhome/Udacity-BAND-Project5/Dashboard4
V. **Dashboard 5**
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