

### **Insight#1:**

**Assuming that you are working in travel agency and you need to answer what is the top travelling destination to avoid during spring break (March-April) ?**

<b>Link</b>	<a href="https://public.tableau.com/profile/hassan3208#!/vizhome/Hassan-DataVis_Project/Insight1?publish=yes">https://public.tableau.com/profile/hassan3208#!/vizhome/Hassan-DataVis_Project/Insight1?publish=yes</a>
<b>Summary</b>	Based on the given data set, the top three state which you should avoid if you would like to avoid is Texas (6003 flights), California (5937 flights) and Florida (4379 flights). We might look at it from different angle, and we can say travel agency customer who is looking for night-life activities should head to the top mentioned states.
<b>Design</b>	I used the map graph to easily differentiate with non-crowded states. I added 2 filters to make sure my conclusion is correct.
<b>Resources</b>	

### **Insight#2:**

**In general, what is top reason behind flight delay in USA? Where is the most delay come form (city)? What airlines you need to avoid when travelling?**

<b>Link</b>	<a href="https://public.tableau.com/profile/hassan3208#!/vizhome/Hassan-insight2-DataVisualization/Airline_Delay_Dashboard?publish=yes">https://public.tableau.com/profile/hassan3208#!/vizhome/Hassan-insight2-DataVisualization/Airline_Delay_Dashboard?publish=yes</a>
<b>Summary</b>	As we can see in the dashboard, if we take for example Florida, we find out that most of flight delay due to late aircraft. The top airlines which has the highest late rate are American Airline, JetBlue and Southeast. Miami has the highest delay hours among other airports located in Florida.
<b>Design</b>	I have tried to be creative and tried to use zoom in affect on the second map but it did not work. Anyway, I used two maps here, the first one highlighted the states which has the highest total delay in hours (darkest is the high total hours and lighter is the least). I used the state map as filter to other sheet so when user clicked on the state, the second map will show the trouble cities along with bar charts to show the top reason behind that delay plus, which airlines is responsible about it.
<b>Resources</b>	

**Insight#3:**

**What is the worst airlines in terms of cancellation rate comparing to the total flights? What is the top reason behind cancellation?**

<b>Link</b>	<a href="https://public.tableau.com/profile/hassan3208#!/vizhome/Hassan-Insight3DataVisProject/AirlineCancellationSummaryDashboard?publish=yes">https://public.tableau.com/profile/hassan3208#!/vizhome/Hassan-Insight3DataVisProject/AirlineCancellationSummaryDashboard?publish=yes</a>
<b>Summary</b>	<p>In terms of worst airlines in terms of cancellation, the bar chart is showing American Eagle has the worst records. They have 723 out of 14149 flights cancelled (%5.11 of total flights). The flight mostly cancelled due to the bad weather conditions.</p> <p>In the other hand, Delta Airlines is one of the best flight in terms of low cancellation rate. They have 194 out of 41516 flights is cancelled. (%0.47).</p>
<b>Design</b>	<p>I came up with three charts. The first charts will show the user the total flight running for each airlines. The second charts shows the percentage of cancelled flights comparing to the total flight and I created 'Calculated' fields to calculate the percentage (Number of cancelled flights/ Number of records)</p>
<b>Resources</b>	