

### *Insight 1*

[https://public.tableau.com/app/profile/inas8708/viz/Insight3\\_16448040176350/Insight3?publish=yes](https://public.tableau.com/app/profile/inas8708/viz/Insight3_16448040176350/Insight3?publish=yes)

### *Summary*

**In this map we see that most cancellations come from California & Texas. But we found very interesting information, the major number of canceled flights hadn't a reason for cancellation. It's strange why companies don't mention the reason for cancellation!!!!**

### *Design*

- Here I used a map to show obviously where the large cancellation number was coming from.
- Also I used a shaded map with blue shades for a better vision.

*Resources* N/A

### *Insight 2*

[https://public.tableau.com/app/profile/inas8708/viz/Insight4\\_16448042078040/Insight4?publish=yes](https://public.tableau.com/app/profile/inas8708/viz/Insight4_16448042078040/Insight4?publish=yes)

### *Summary*

**Taking in consideration that there are companies worse than the other in quality of service rates, Southwest Airlines Co. is the worst airline in terms of arrival delay. Alaska Airlines Inc. is the best where the value of delay in minutes appears negative which means that their flights arrive earlier than expected.**

### *Design*

- Here I used a bar plot to show effectively what is the best & what is the worst airline that we have in this data.
- Also I used the blue shades to avoid difficulties caused by color blindness.

*Resources* N/A

### *Insight 3 - Dashboard*

[https://public.tableau.com/app/profile/inas8708/viz/Dashboard\\_16448056184490/Dashboard1?publish=yes](https://public.tableau.com/app/profile/inas8708/viz/Dashboard_16448056184490/Dashboard1?publish=yes)

### *Summary*

**This Dashboard shows that the highest reason for cancellation is the weather and the strongest effect for it appears in February.**

**The upper visualization shows which month is the worst in cancellation rates, starting from November to February the number of cancellations increased till it reached the highest value in February.**

### *Design*

- Here I used a bar plot to show effectively what is the highest reason for cancellation with blue color.
- And I used a line chart to show the effect of the weather all over the months of the year.
- Also I used the color blindness palette for coloring the line chart.

*Resources* N/A

### *Story*

[https://public.tableau.com/app/profile/inas8708/viz/Story\\_16448057932870/Story1?publish=yes](https://public.tableau.com/app/profile/inas8708/viz/Story_16448057932870/Story1?publish=yes)

**This story contains a summary for our findings in the 4 visualizations we've made.**