

- **Insight 1** (State with most cancellations occur)

**Link:**

[https://public.tableau.com/app/profile/ahmed.omar4750/viz/DAY\\_OF\\_WEEK/CancellationsacrosstheUS?publish=yes](https://public.tableau.com/app/profile/ahmed.omar4750/viz/DAY_OF_WEEK/CancellationsacrosstheUS?publish=yes)

**Summary:** From this map, we can see where the most cancellations occur. It appears that most cancellations happen in Texas (668).

**Design:** I chose map to show the cancellations occur for every state depending on the darkness of each state where the most darkness is the state with most cancellations occur and the most brightness is the state with lowest cancellations occur

- **Insight 2** (Airlines with the worst delays and largest percent flight of cancellation)

**Link:**

[https://public.tableau.com/app/profile/ahmed.omar4750/viz/DAY\\_OF\\_WEEK/Airlinesinfo?publish=yes](https://public.tableau.com/app/profile/ahmed.omar4750/viz/DAY_OF_WEEK/Airlinesinfo?publish=yes)

**Summary:** From this dashboard, we can see that **American Eagle Airlines Inc.** has the most percentage of flight cancellations and **Spirit Air Lines** has the worst delays

**Design:** This dashboard consists of two charts each of which type is a horizontal bar to show the Average delay and percent of flight cancellations for each airline, also I have put a filter in the airport name if want to see data about a specific airport.

- **Insight 3** (DAY\_OF\_WEEK with most cancellation and worst delays)

**Link:**

[https://public.tableau.com/app/profile/ahmed.omar4750/viz/DAY\\_OF\\_WEEK/DistributionofflightcancellationsanddelaytimeoverDaysOfWeek?publish=yes](https://public.tableau.com/app/profile/ahmed.omar4750/viz/DAY_OF_WEEK/DistributionofflightcancellationsanddelaytimeoverDaysOfWeek?publish=yes)

**Summary:** From this chart, we can see both flight cancellations and delay time have the same distribution all the week, notice the first day of the week has the worst delays and most cancellations occur this may be because at the start of the week they may be increased in a number of travels which increase the delay.

**Design:** This chart is to show the distribution of cancellations and delays over days of the week, so I chose a line chart to show that.