Link to to the tableau dashboard:

https://public.tableau.com/profile/simran.gujrati#!/vizhome/Flights_99/Dashboard1?publish=yes

Summary:

The flight dataset given contained the details of the on-time performance of US domestic flights operated by large air carriers in 2015.

Using this dataset three visualisations were created:

1. Total delay time of various delay types:
   This visualization provides the most often reason of delay of flights. It reveals that maximum delay was due to delayed departure of flights. Though there is other reasons that caused delay but main contribution in delay of flight was due to departure delay

2. Cancelled airlines over month in the year 2015:
   This visualization provides the information about the cancellation of flights of various airlines in each month in the year 2015. It can be seen that American Airlines Inc. have often cancelled their flights. The visualisation gives the trend cancellation of flights of various airlines over the year 2015.

3. Count of diverted flights of various airlines:
   This visualization provides the count of flights of various airlines that were diverted in the year 2015. From the dashboard it can be seen that the maximum flights of Southwest Airlines Co. was diverted.

Design:

- I used the bar graph to show the total delay time because of various delay types.

- I used the line graph to show the trend of cancelled flights of various airlines over the year 2015.

- I used the horizontal bar graph to show the count of diverted flights of various airlines.

Resources:

https://www.kaggle.com/usdot/flight-delays/data