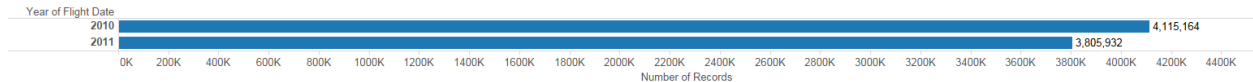**SEIS 632 Data Analytics and Visualization**
Assignment 5
Due: 11/4/2021

The **Flights_data.twbx** Tableau file contains information on all U.S. airline flights from 2010 and 2011. Create a Tableau worksheet to answer each of the following questions:

1. A quick viz of flights over time shows a drop of more than 300,000 flights from 2010 to 2011:

From your experience, you know that flight activity did not drop so significantly between 2010 and 2011. Why does this viz seem to indicate otherwise? **Investigate flights over time in more detail to determine why these yearly numbers show such a large drop.**

2. You are interested in identifying dates that are particularly light in terms of travel. **Are there particular dates over those two years that seem to experience substantially lower numbers of flights?**

3. Next, you want to know who operates the most flights. **Is there one airline that operated more flights than any other single airline for each week in this dataset?**

4. You would also like to know which states tend to experience the longest departure delays. **Create a map that visualizes the departure delay that you can expect in each origin state**. **Allow the user to filter by airline.** You should use a divergent color scheme, i.e. one color for positive values and another color for negative values. Colors should become darker as the values increase.

Submission: For each of the above questions, there is a separate worksheet in the .twbx file. Submit the .twbx file on canvas by the deadline.