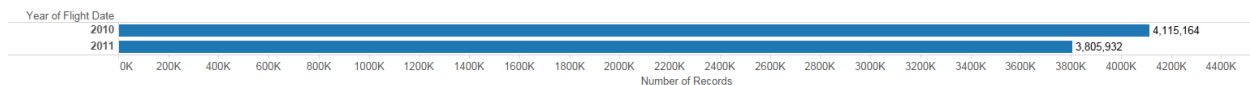# In-Class Exercise: Basic Charts

This 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:

FILE to use: Flights_data.twbx

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 days that are particularly light in terms of travel each year. **Are there particular holidays 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.** Colors should range from <u>dark blue</u> for states with short departure delays to <u>dark red</u> for states with long departure delays.