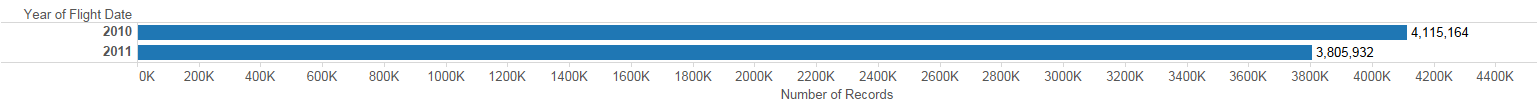
Exercise: Basic Charts

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 overtime in more detail to determine why these yearly numbers show such a large drop***. The reason for such a large drop is because when you filter just 2011 there isn’t any data for the month of December. Therefor this is what causes the big drop from 2010 to 2011. As you can see in the graph below there isn’t any data for December 2011.*

*A screenshot of a computer

Description automatically generated*

1. 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?** *Independence Day (July 4th, 2010), Christmas day (Dec 25th, 2010), & Christmas eve (Dec 24th, 2010). New year’s (Jan 1st, 2011). Also, it seems like thanksgiving week is low for both 2010 and 2011. I used a treemap to find the lowest days.*

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1. 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?** *Yes,* ***Southwest*** *comes in at #1. When you scroll throw this table of data you will see southwest is always the highest also indicated by the color.*

*A screenshot of a computer

Description automatically generated*

1. You would also like to know which airlines tend to experience the longest departure delays. **Create a table that shows the top ten airlines with the longest departure delays. In addition, allow the user to filter by airline.** *I created a table that shows all top 10 but when you want to filter by airline you can click the dropdown button and choose a specific airline.*
2. **A screenshot of a computer

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