**Airline Industry Analysis Documentation**

The purpose of this presentation is to demonstrate how passengers consider airlines a safe mode of transportation and revenue rates are increasing year over year domestically and internationally.

**Design Methodology**

Colors: I wanted to keep the colors neutral, and I wanted to make sure that someone who is color blind would not have any issue with coloring. I used the darker colors suggested by Tableau and preferred to use blue.

Chart types: The charts used are Line, Tree Map, and Stacked Bar graph. Each of these were chosen because they represent the data accordingly.

**Blog Post**

Airline Safety

US Airline Incidents Comparing 1985-1999 to 2000-2014: I wanted to dive deeper into US airline incidents and compare the years 85-99 and 00-14. Incidents have drastically decreased by 34%. A total of 1168 incidents occurred from 85-99 and 769 from 00-14. These incidents show how much US airlines are improving.

Car Accidents

**Fatal Car Accidents from 2005-2014: I wanted to compare airline accidents to car accidents in the US. Even though the numbers are going down, the amounts are exponentially higher than airplane accidents.**

**Passengers**

Domestic and International Passengers from 2002-2016: A Line graph shows the average number of passengers. 650 million domestically and approximately 160 million internationally. The goal of this graph is to demonstrate the scope of people that are using airlines.

**US Leaders in Aviation:**

**Leading airline groups worldwide in 2019, based on passengers: This Tree map shows the leaders in global aviation per passengers. US airlines took the top 4 spots.**

**Sources**

**Global Fatal Accidents from 1985-2014 & Total Incidents Per Airline from 2000-2014**

<https://github.com/fivethirtyeight/data/tree/master/airline-safety>

**Passengers 2002-2016**

<https://www.kaggle.com/shellshock1911/us-commercial-aviation-industry-metrics?select=all_airlines_all_airports.csv>

**Leaders in Aviation**

<https://www.statista.com/statistics/269617/top-10-airlines-worldwide-by-number-of-passengers/>

**GitHub**

**https://github.com/evelyntc/DSC640\_Projects**