**Air Travel Safety**

Data Analysis and Visualization

**Languages Used**

* **Python**
* **R**
* **PowerBI**
* **Tableau**

**Introduction**

A Data Visualization course in my Master’s Program involved a semester project where we had to showcase a few different types of data visualizations bi-weekly. We used Python, R, PowerBI or Tableau to generate the following:

* Barchart
* Piechart
* Linechart
* Stepchart
* Treemap
* Area and Stacked Area Chart
* Scatterplot
* Bubble Plot
* Density Map
* Contour Plot
* Heatmap
* Spatial Map
* Funnel Chart
* Histogram
* Boxplot
* Bullet Chart
* Waterfall Chart

**Air Travel Safety**

The term project asks you to play a role of data analyst for an airline and come up with data visualization/proof to campaign against a false media narrative of frequent and deadly airplane crashes and questionable air safety concerns. The following is a list of required deliverables for the project we were asked to produce:

* Deliverables for internal audience:
* Data Visualization with detailed analysis
* Executive Summary
* Deliverables for external audience:
  + Infographic
  + Blog Post
  + Presentation

**Blog Post**

The following is a link to my Blog Post I created for external audience to combat the false media narrative: <https://phhands1517.blogspot.com/2023/02/it-is-still-safer-to-fly-in-sky.html>

**Infographic**

I created the below infographic that includes data visualizations and detailed analysis.

<infographic to be included>