PLANE ACQUISITION

A project to analyze different data and come up with data driven solutions for plane acquisition

Introduction

- Company x is looking to diversify its portfolio and is interested in purchasing and operating airplanes for commercial and private enterprises.
- The company is not aware of the potential risks of aircraft and have tasked me with determining which aircraft are the lowest risk for the company to start this new endeavor.
- I am to translate my findings into actionable insights to help aviation division decide which aircraft to purchase

Data Analysis

- To determine risks of aircraft I used data from the National Transportation Safety Board that included accident data from 1962 to 2023 .
- The data contained civil aviation accidents and selected incidents in the United Stated and international waters.
- The dataset included data like accident date , injuries , fatalities , weather condition etc. that I used to decide which aircraft to recommend.

Recommendations

- I have created a list of recommended aircraft in the Jupyter Notebook.
- The recommendations contain a list of airplanes with no fatal injuries, best engine types for the company and have the fewest recorded accidents.