

ISAAC BUCK

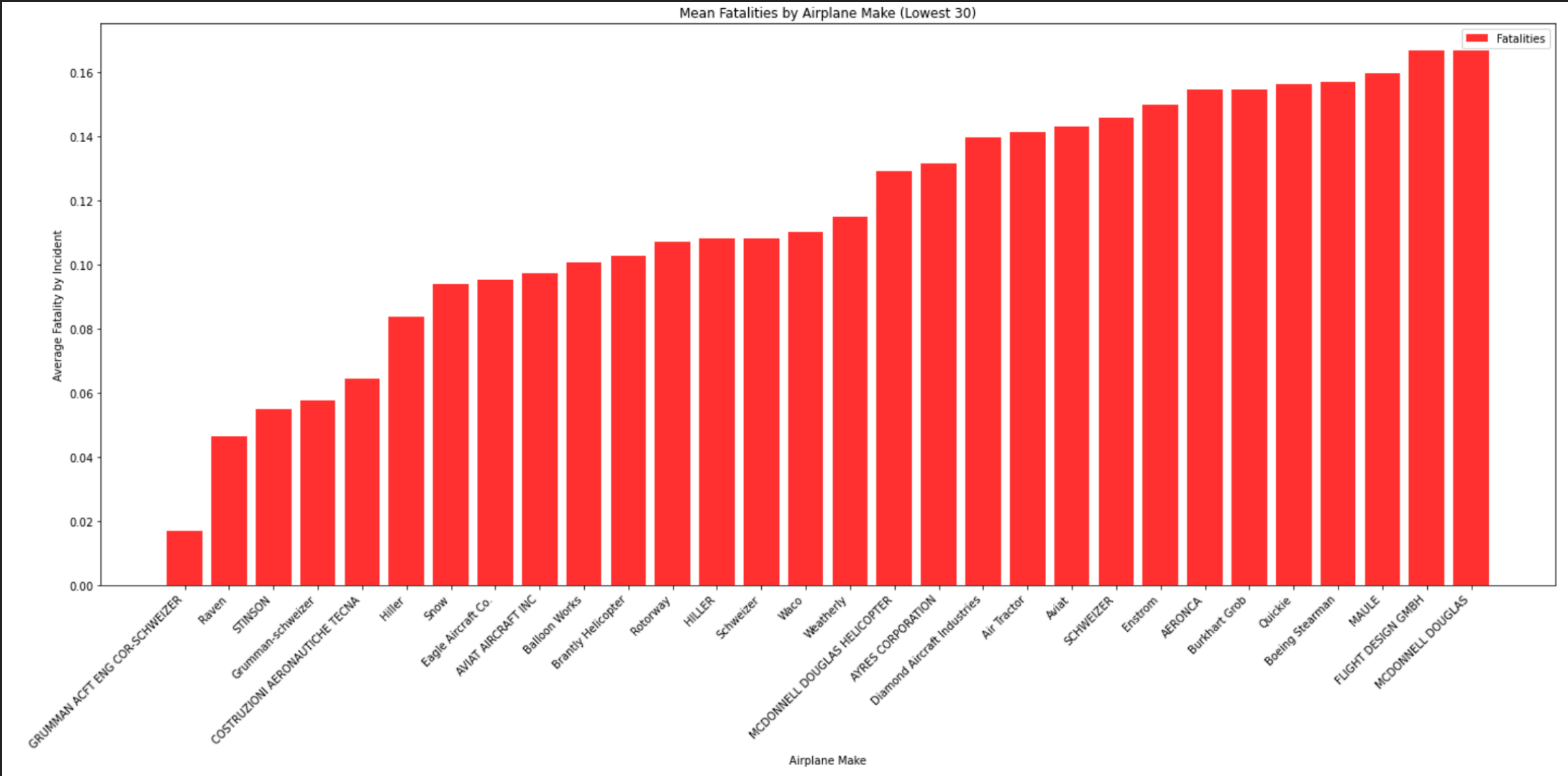
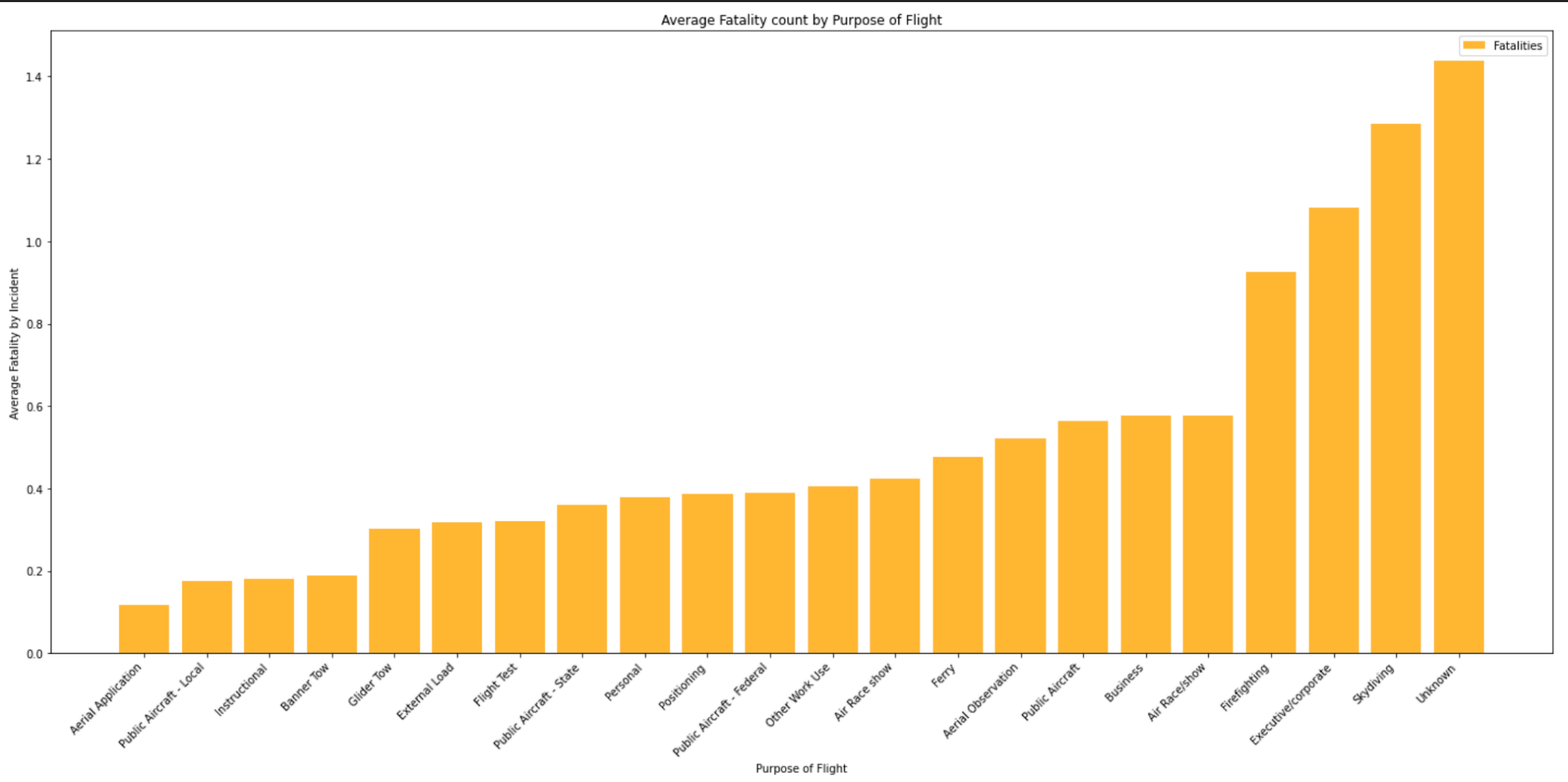
AVIATION RISK AND INVESTING ANALYSIS

OVERVIEW

- ▶ Overview: 88K+ flight accidents from the National Transportation Safety Board were analyzed to assess data points where fatality rates had a higher average from 1962-2023.
- ▶ Goal: Provide a recommendation for investors in the aviation industry on where to invest based on accident data pertaining to average fatality rate.
- ▶ Data Points: The three metrics we assessed were purpose of flight, location and make of the aircraft. This analysis was limited to the United States since 80K examples were located in the US with 350 being located in Brazil as the next closest country.
- ▶ Methodology: The average fatality rate per accident against purpose of flight, make and location.

FINDINGS

- ▶ Purpose of Flight: Ariel Application had the lowest average fatality rate of any 0.126 deaths per incident out of 4712 incidents.
- ▶ Make: GRUMMAN ACFT ENG COR-SCHWEIZER had the lowest fatality rate 0.017 out of 58 incidents.
- ▶ Location: Instead to taking the state with the lowest fatality rate, we only recommended states with an average fatality rate below 1. We do not recommend operating flights in Virgin Islands, Atlantic Ocean, Gulf of Mexico, Washington D.C. and Guam since the average fatality rate was greater than 1.



RECOMMENDATION

- I recommend Aerial Applications using aircraft GRUMMAN ACFT ENG COR-SCHWEIZER and in any state excluding Virgin Islands, Atlantic Ocean, Gulf of Mexico, Washington D.C. and Guam as the safest investment against average fatality rate

