

JET FLIGHT AVIATION

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Aviation Accident Database & Synopses, up to 2023

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Overview

- ❖ This project analysis dataset is from Aviation Accident Database & Synopses, up to 2023.
- ❖ It contains information from 1962 and later about civil aviation accidents
- ❖ The most equitable actions can be taken to produce quality analysis for a start-up business like Jet Flight by looking at historical data.

Business Understanding

Jet Flight Aviation is expanding into new industries to diversify its portfolio but have no idea about this business:

- ❖ Type of problem to solve
- ❖ Factors to consider
 - Risks of Aircraft
 - Initial aircraft purchase

Data Understanding

Dataset Used

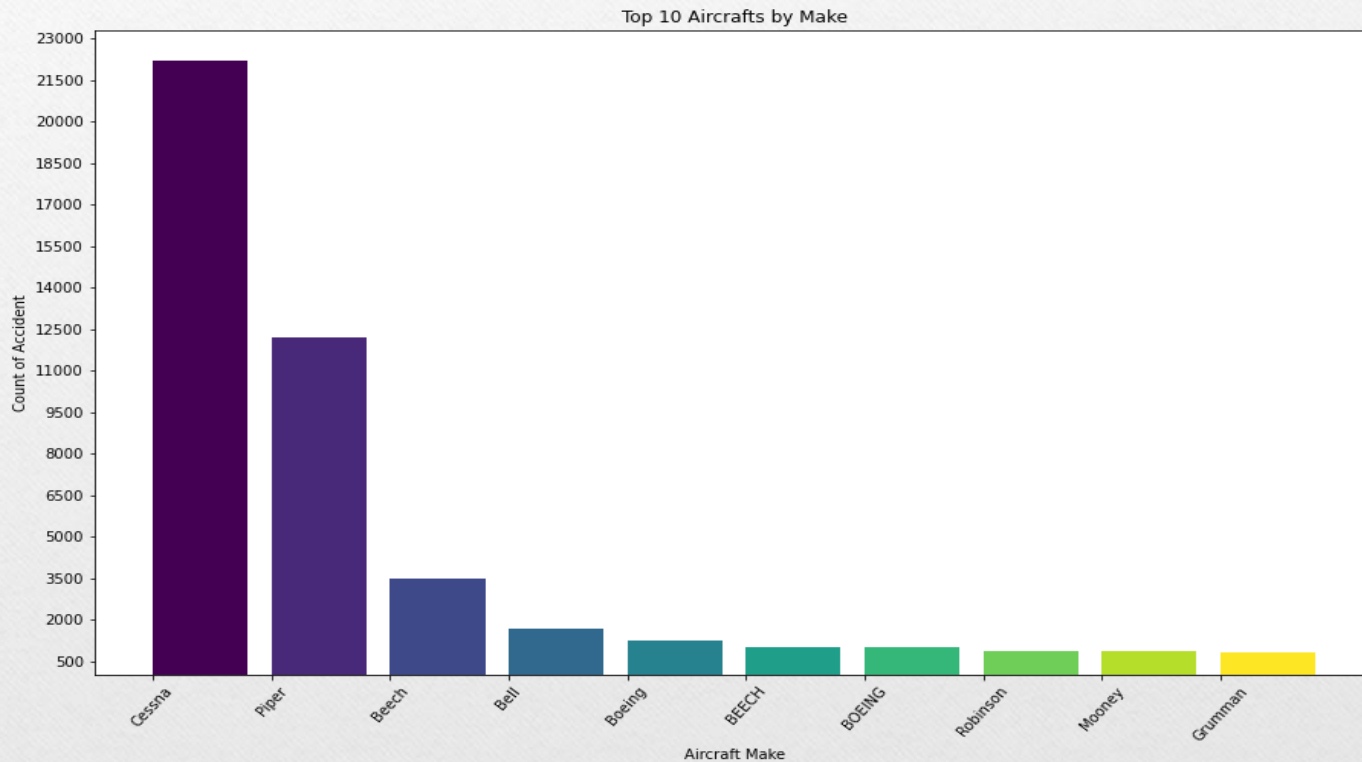
- Aviation Accident Database & Synopses, up to 2023

Measures Used

- From 1974 up to 2022
- Aircraft Make, Weather Condition, Aircraft Service

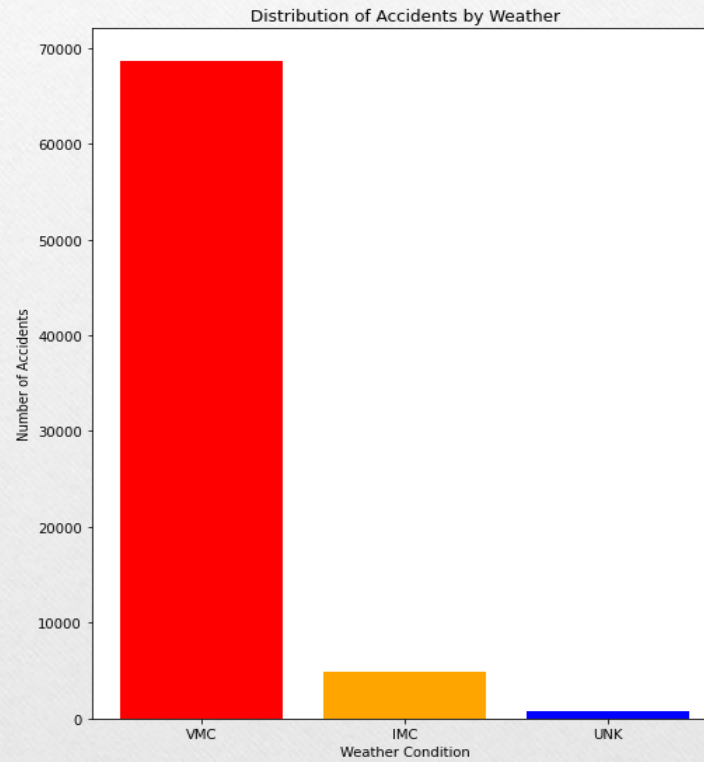
- ## Top 10 Aircrafts by Make

The top 10 aircraft by make that were highly involved in the recorded accidents.



Weather Condition

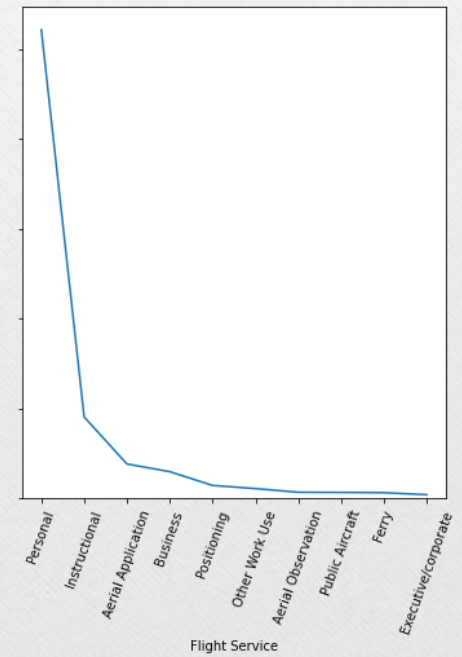
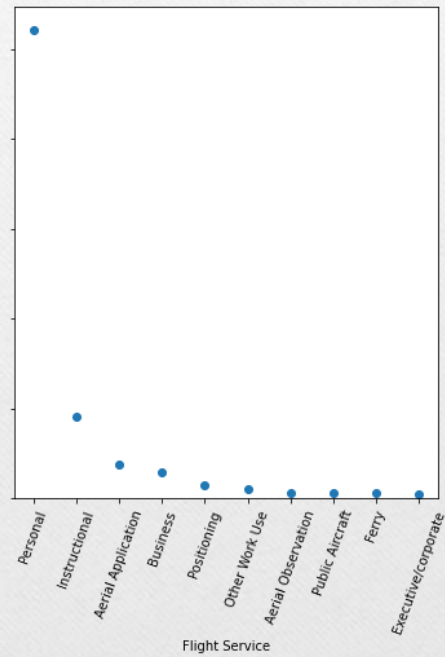
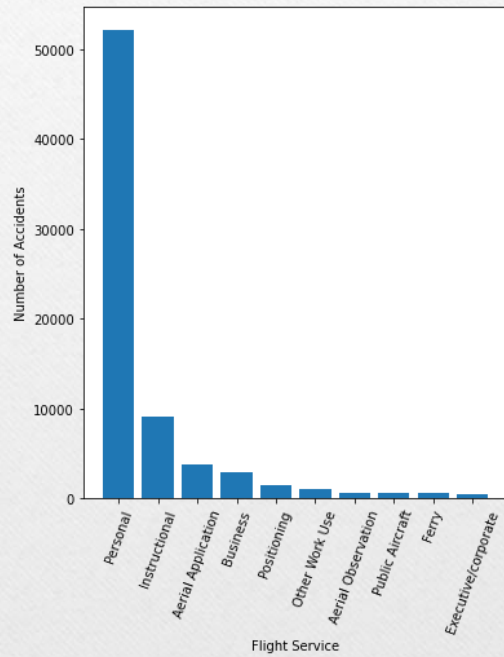
The contribution of weather conditions to aircraft accidents.



Flight Service

Top 10 flight service at risk

High risk Aircraft Service



Conclusion

Recommendation

- ❖ Consult Aviation Authorities about top rated Aircrafts
- ❖ Target Global audience to overcome weather conditions impact on business.
- ❖ Venture into services that have low risk towards the business.