

Low-risk Aircraft

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Overview

The company is interested in purchasing and operating airplanes for commercial use and want to investigate the potential risks around aircraft as well as identify aircraft(s) that pose low-risk.

- Low-risk aircraft: Airbus A220, A320-271N, and Boeing 737
- Airbus A220 and A320-271N have 1 recorded accident that ended in minor damage and no fatalities.
- Boeing 737 has the highest record count, but the majorities sit at minor damage and non-fatal.

Outline

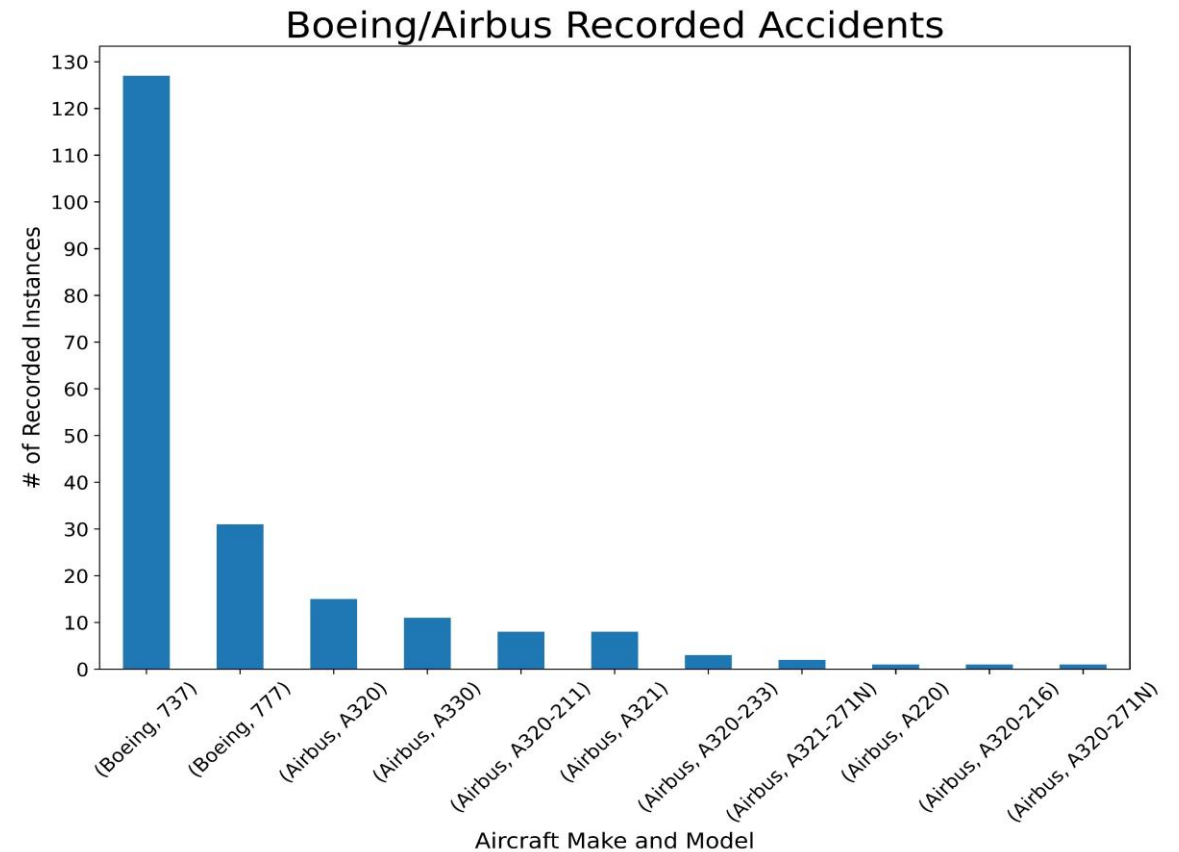
- Business Goal
- Data & Analysis
- Conclusions & Next Steps

Business Goal

- Expand into the commercial flight industry
- Locate a Low-risk commercial aircraft

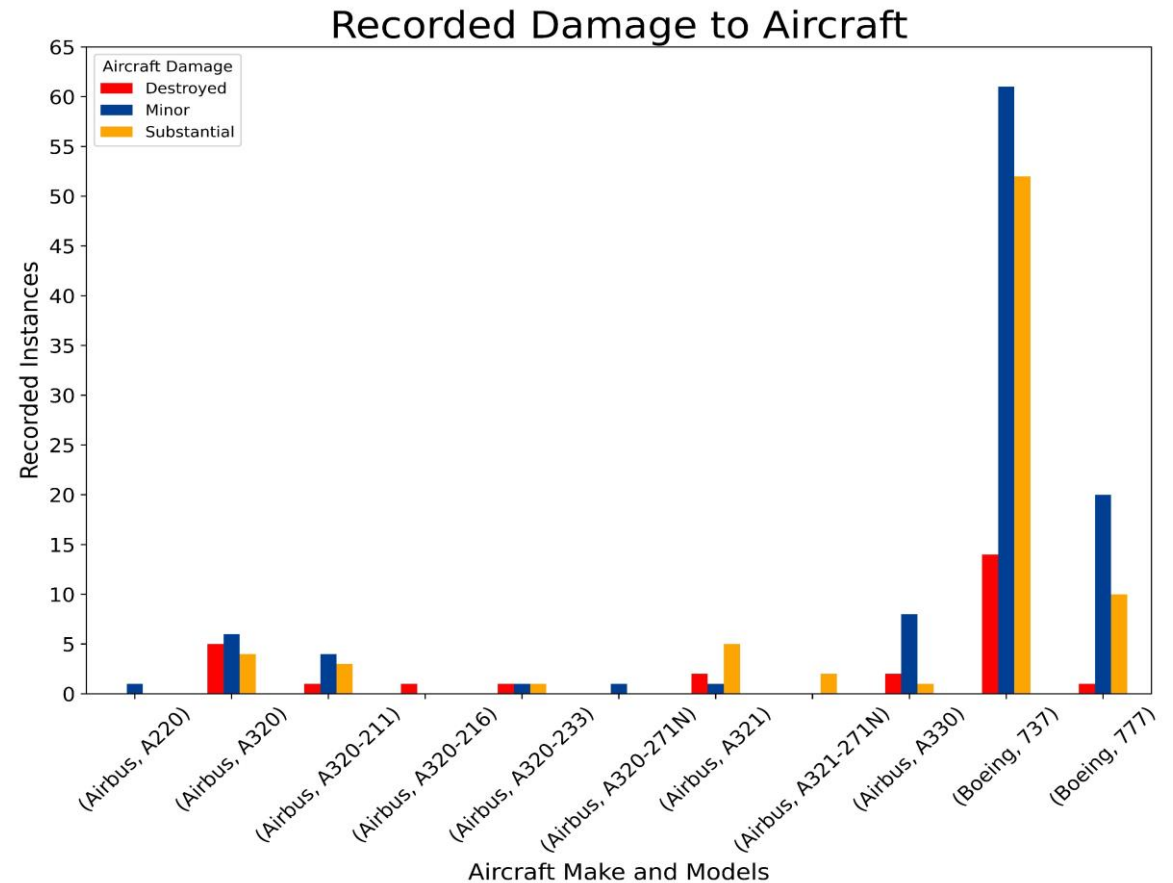
Data & Analysis

- Aviation accident data recorded by the National Transportation Safety Board
- Contains data for the two major commercial aircraft manufacturers



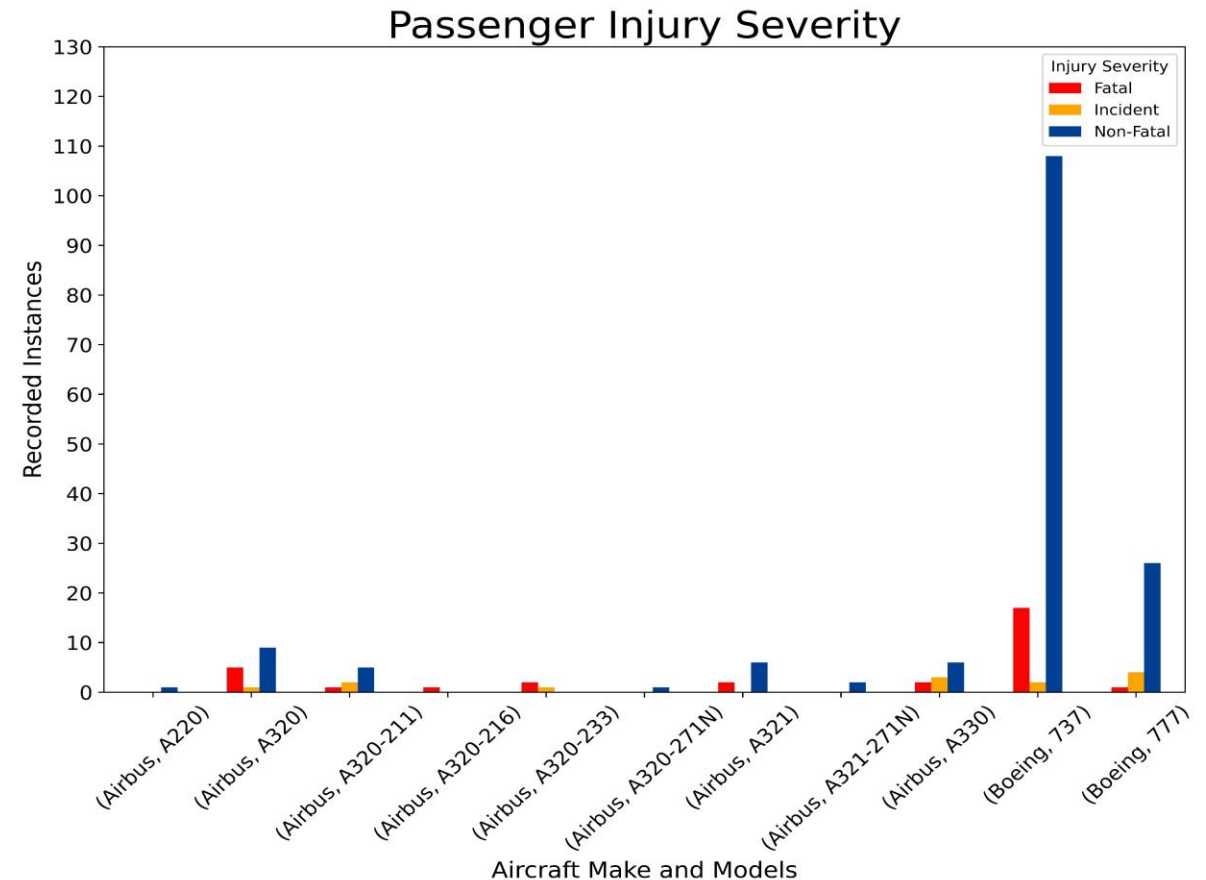
Analysis

- Majority of damage for most of the aircraft is minor damage
- Destroyed outcome is low overall especially for Boeing 737



Analysis

- Fatal, incident, and non-fatal comparison
- Boeing 737 has the most records, but the majority are non-fatal
- Only records for Airbus A220 and A320-271N were non-fatal accidents



Conclusions

- Airbus A220 and A320-271N have 1 recorded accident that ended in minor damage and no fatalities.
- The Boeing 737 has the highest record count, but the majorities sit at minor damage and non-fatal.
- Low-risk aircraft Airbus A220, A320-271N, and Boeing 737

Next Steps:

- Further analysis could give better understanding of the safety of each aircraft over the years.
- Exploring data that contains successful flight records on a daily, weekly, or monthly basis for these aircraft.
- Further research and comparison of these aircraft is necessary

Thank you

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