Aircraft Accidents Analysis

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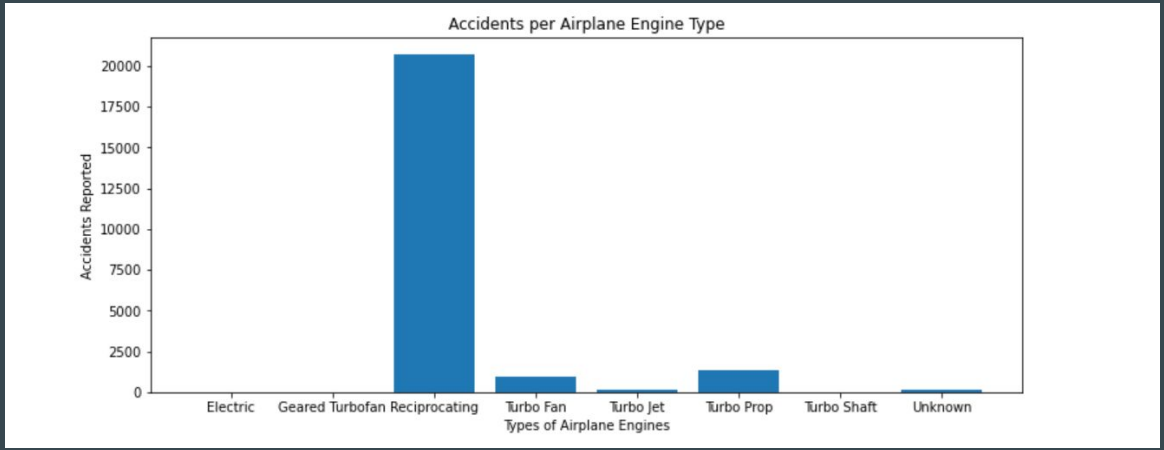
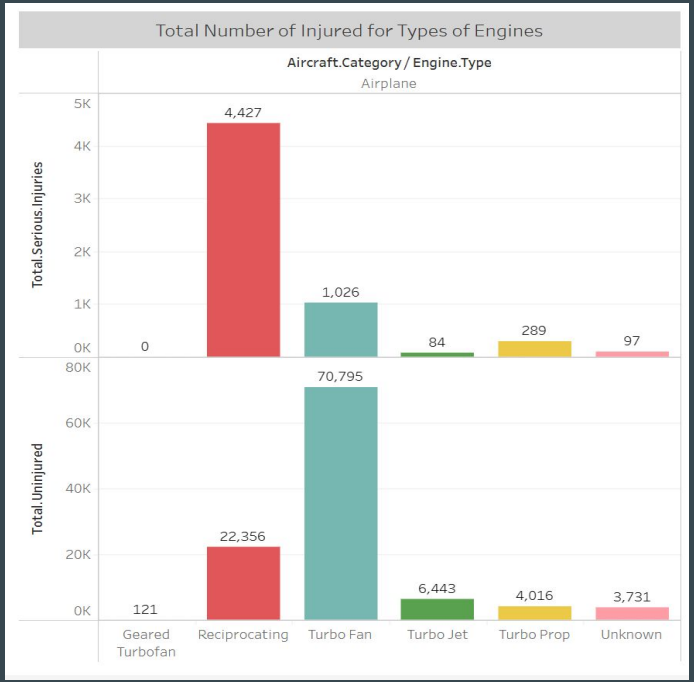
Objective/ Overview

- Determining which aircraft are the lowest risk to start this new business endeavor based on the data reporting different aircraft accidents over the years

Accidents Reported For Types of Engines



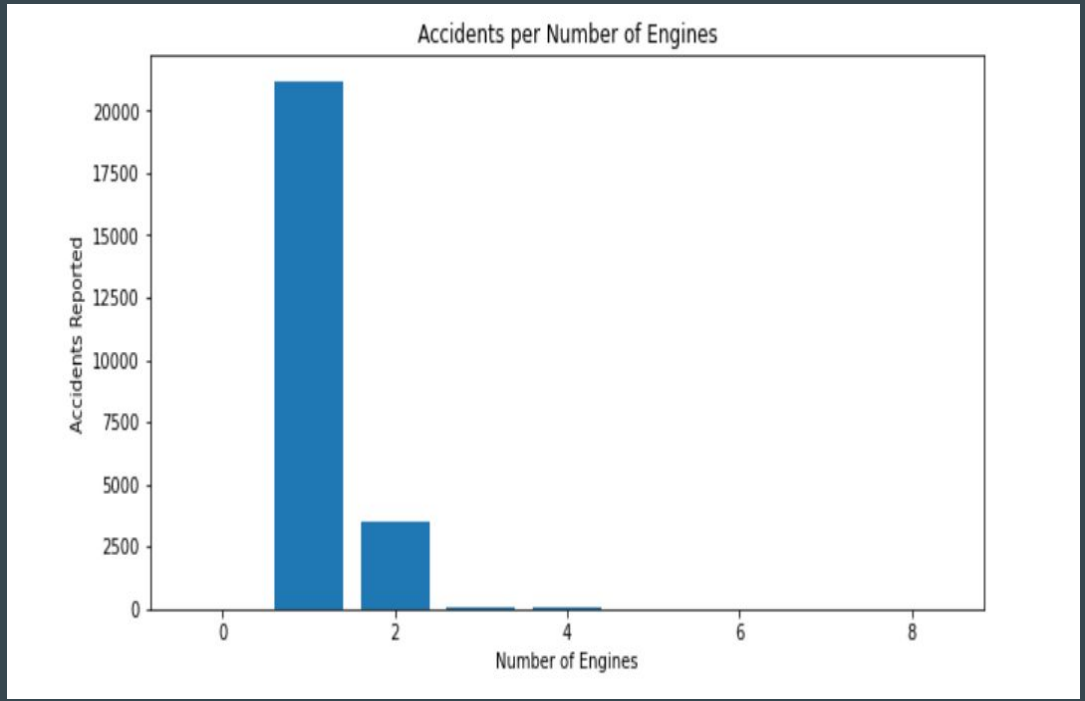


- Reciprocating engines reported the highest amount of accidents and serious injuries to passengers
- Turbo fan engines reported the highest amount of uninjured passengers

Relationship Between Accidents and Number of Engines

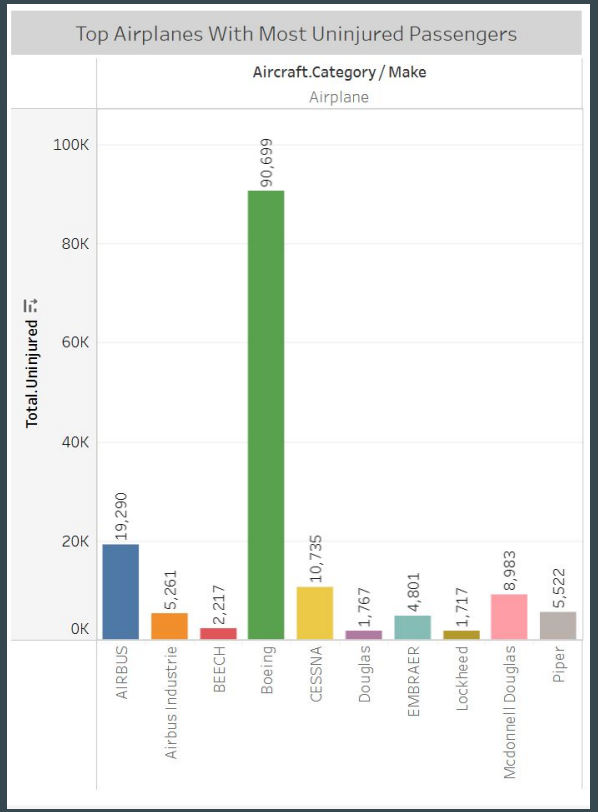
- The highest amount of reported accidents came from aircrafts with one engine

- Based on results & further research
  - Reciprocating = 1 engine
  - Turbo Fan = 2 engines



Aircraft Makes With Highest Amount of Uninjuried Passengers

- Airplanes that are manufactured by Boeing recorded the highest amount of total uninjured passengers



Recommendations

- Avoid aircrafts with a single engine / reciprocating engine
- Stick to aircrafts with turbo fan dual engines / two engine
- More specifically, Boeing Airplanes

	Number.of.Engines	Engine.Type	Make	Model	Total.Serious.Injuries
149	2.0	Turbo Fan	Dassault/sud	FALCON 20	0.0
522	2.0	Turbo Fan	Douglas	DC-9-82	0.0
737	2.0	Turbo Fan	Rockwell	SABRELINER 65	0.0
906	2.0	Turbo Fan	Rockwell	NA-265-65	0.0
1833	2.0	Turbo Fan	Douglas	DC-9-31	0.0
2254	2.0	Turbo Fan	Boeing	737-291	0.0
2335	2.0	Turbo Fan	Boeing	737-291	0.0
3076	2.0	Turbo Fan	Douglas	DC-9-30	0.0
3292	2.0	Turbo Fan	Cessna	551	0.0
3392	2.0	Turbo Fan	Mcdonnell Douglas	DC-9-51	0.0
3417	2.0	Turbo Fan	Boeing	737-201	0.0
3447	2.0	Turbo Fan	Boeing	737-291	0.0
3454	2.0	Turbo Fan	Gates Lear Jet	35A	0.0
3510	2.0	Turbo Fan	Douglas	DC9-30	0.0
3620	2.0	Turbo Fan	Canadair	CL-600-1A11	0.0
3723	2.0	Turbo Fan	Israel Aircraft Industries	1124	0.0
3744	2.0	Turbo Fan	Boeing	767-231	0.0
3826	2.0	Turbo Fan	Cessna	550	0.0

Recommendations

- Boeing 737

- Learjet 35

- Boeing 777

Thank You

Any Questions?