

LOWEST RISK AIRCRAFT

HENRY KEMBOI

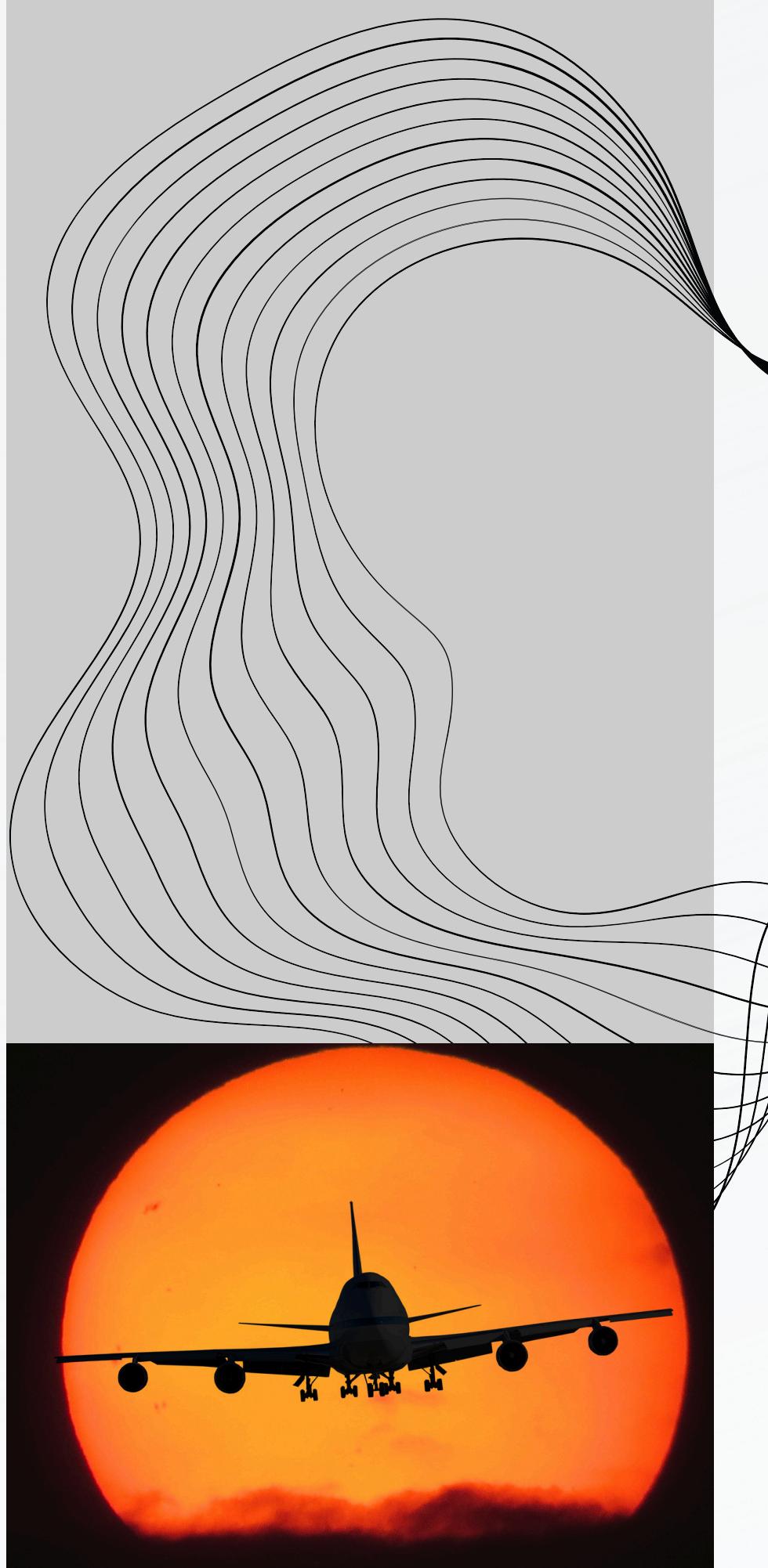
BUSINESS PROBLEM



To determine the lowest risk aircraft for the company to venture into aviation business.



Provide actionable insights that aviation division can use.



DATA

1962 to 2023 data from the National
Transportation Safety Board about
civil aviation accidents in the United
States and international waters.

METHODS

Data Cleaning

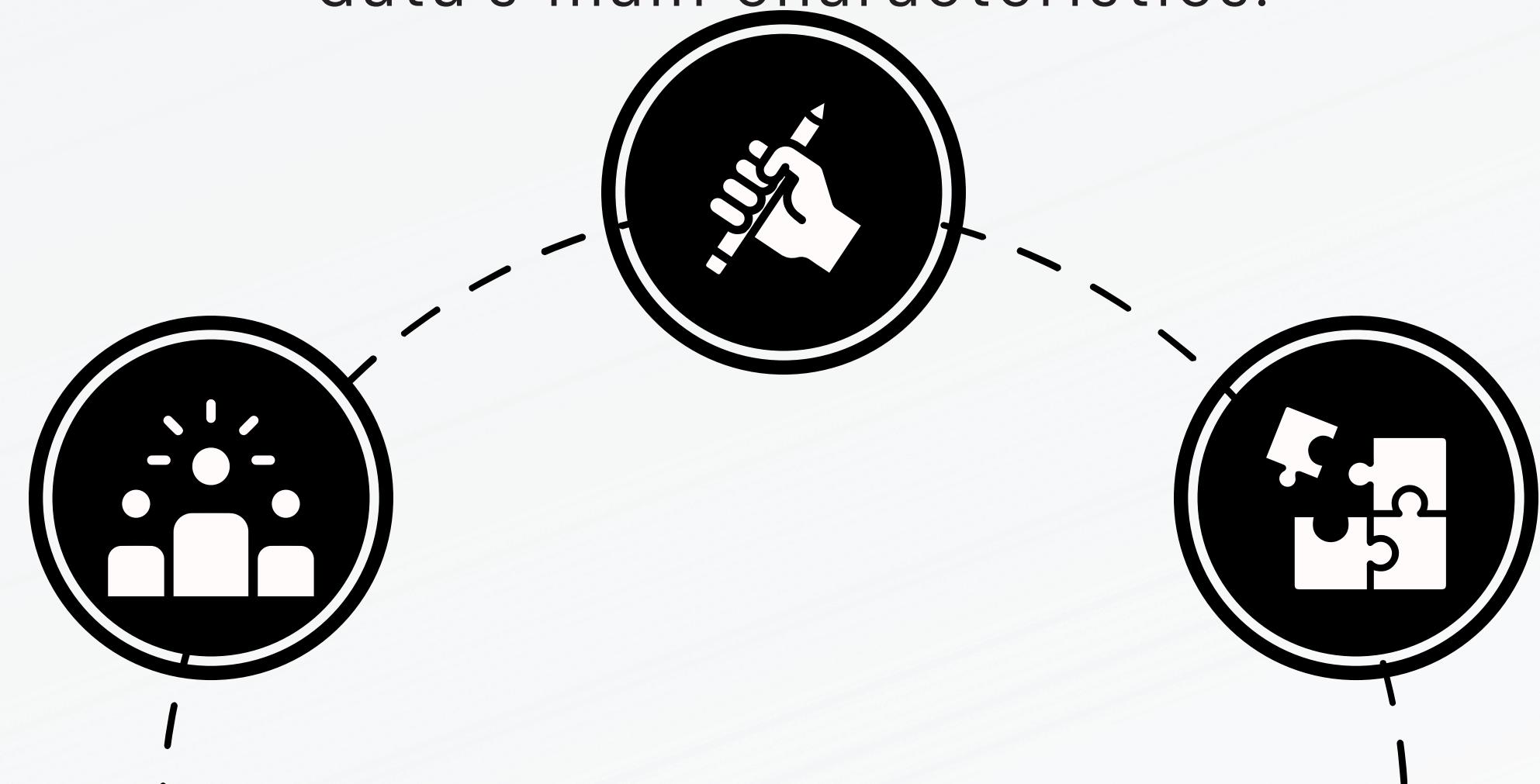
How to deal
with missing
values

Exploratory Data Analysis

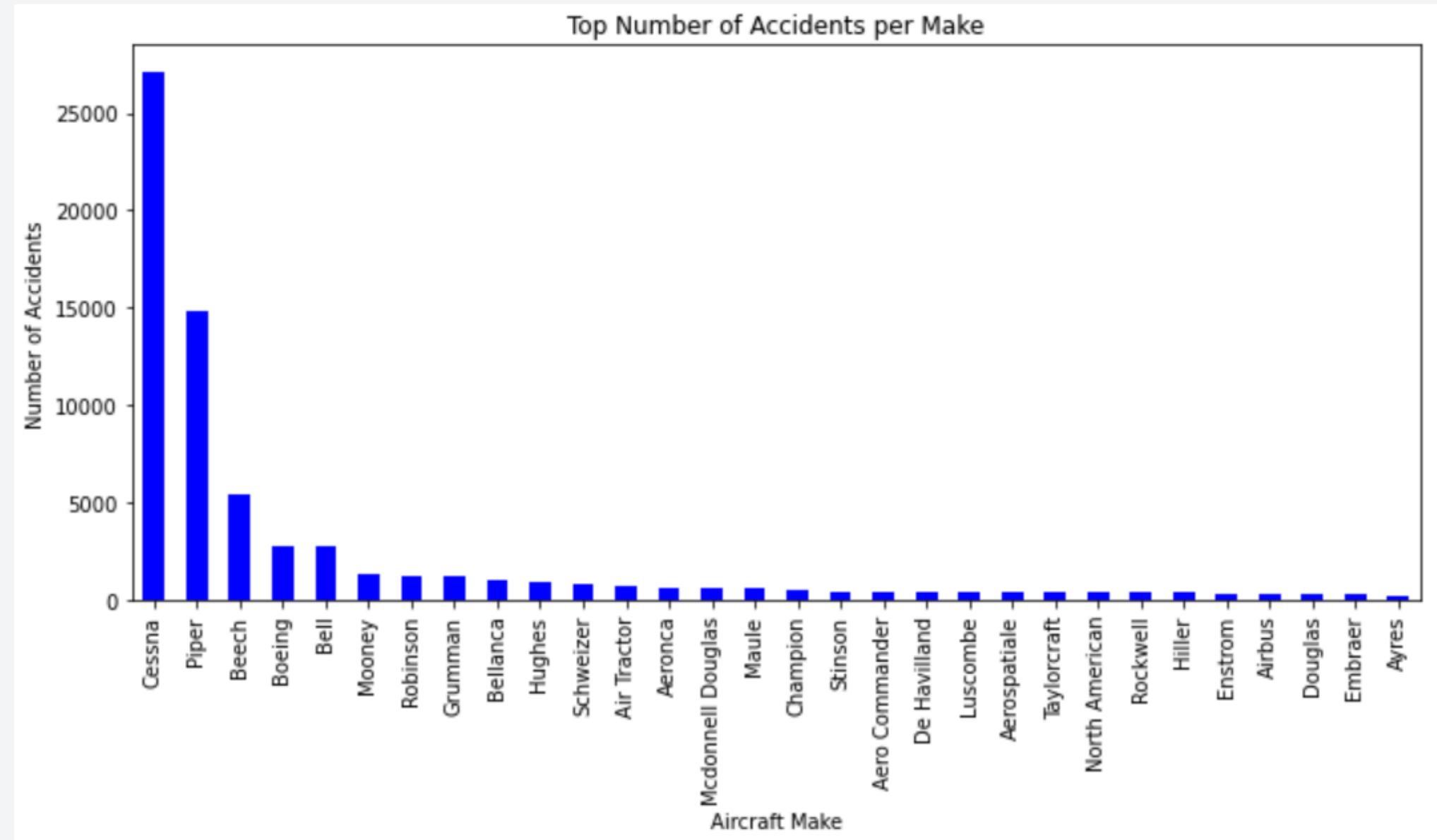
Analyze, investigate,
aggregate and summarize
data's main characteristics.

Interactive Dashboard

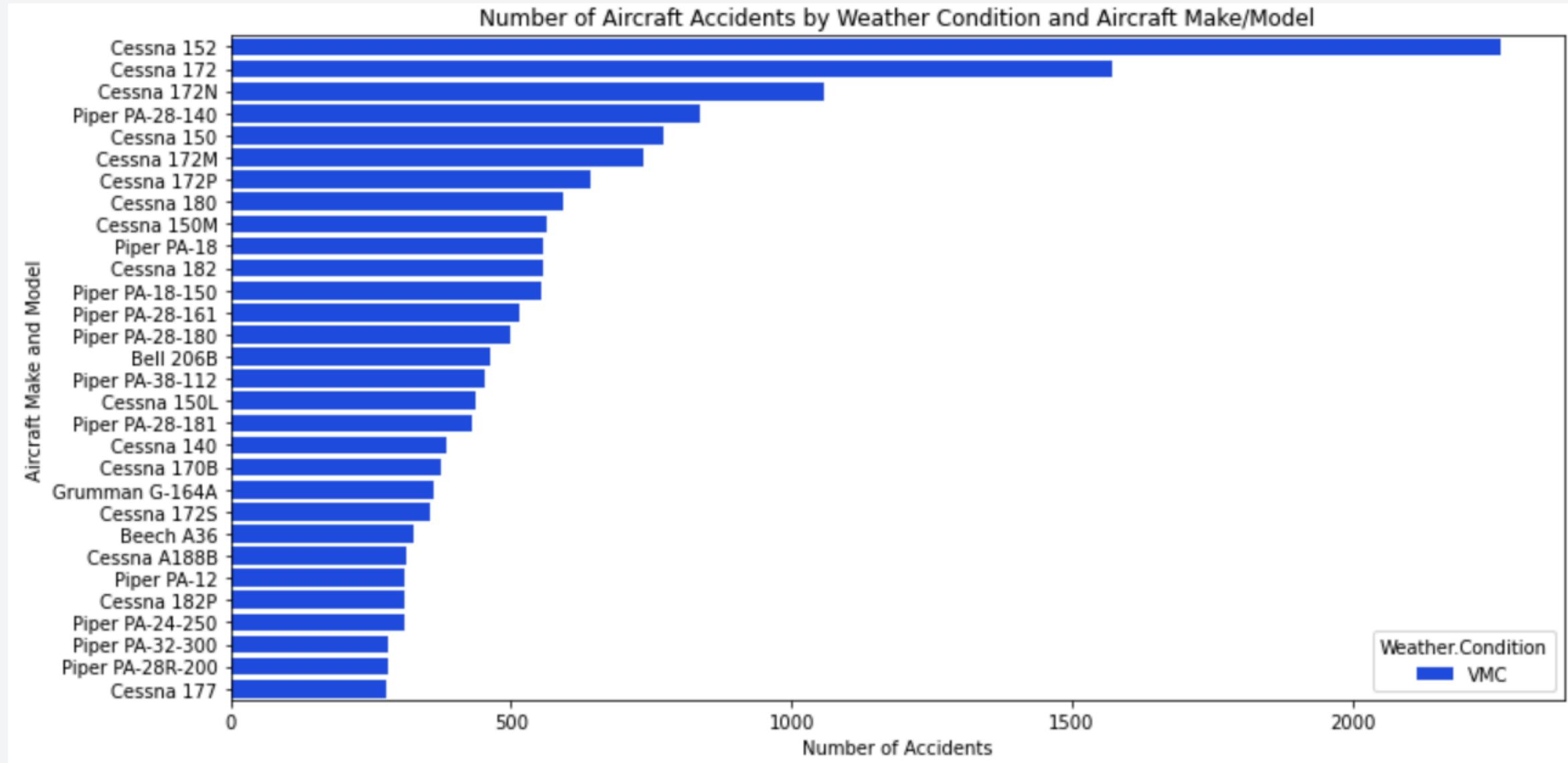
How to
visualize data
in an
interactive
dashboard.



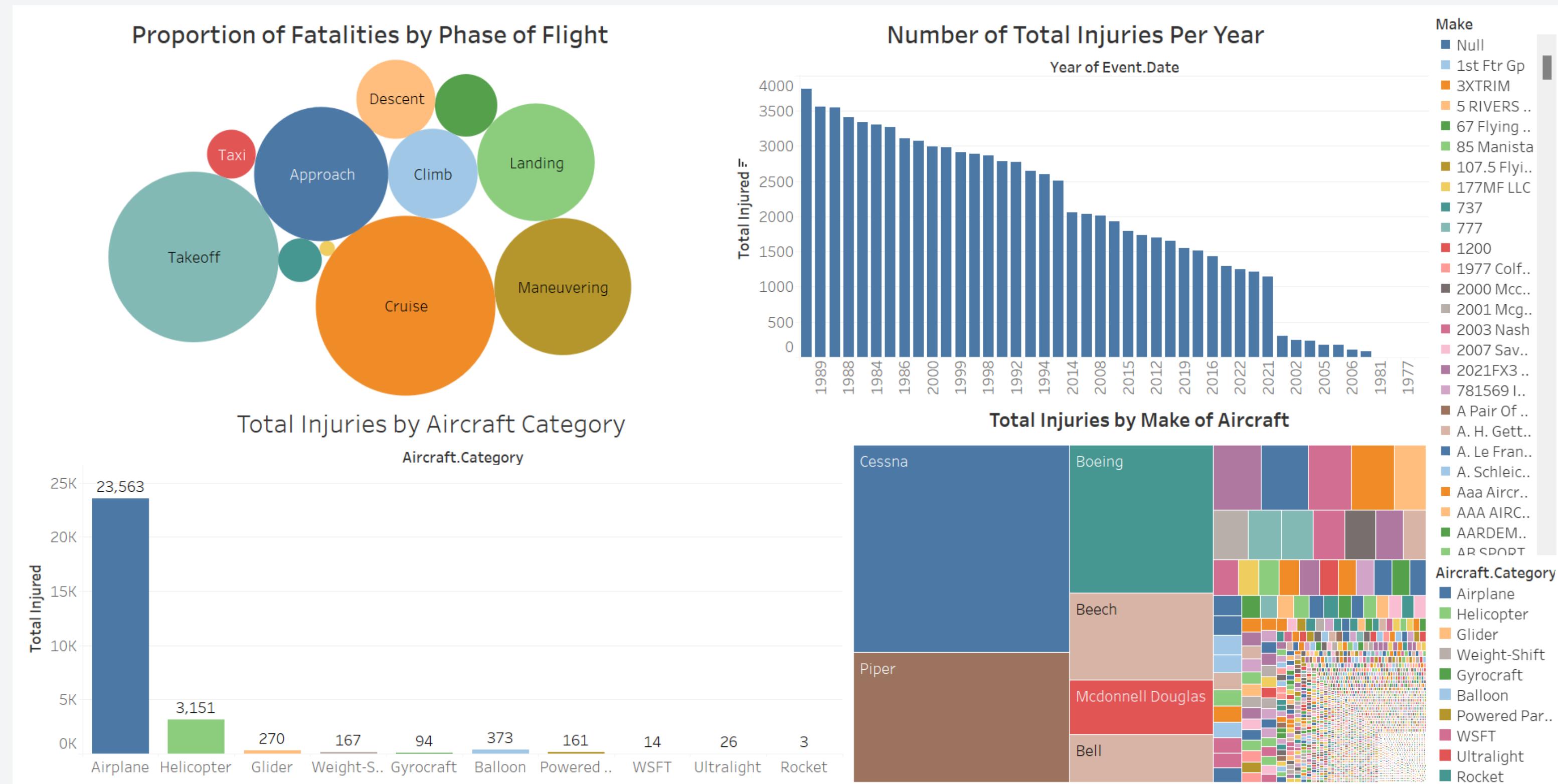
DATA ANALYSIS



DATA ANALYSIS



INTERACTIVE DASHBOARD



FINDINGS



LEADING IN ACCIDENTS

- Cessna
- Piper
- Beech



TOP MOST DANGEROUS AIRPORTS

- Anchorage, Alaska
- Miami, Florida



MOST DANGEROUS FLIGHT PHASE

- Cruise
- Takeoff
- Approach



MOST INJURIES PER YEAR

- 1989
- 1988
- 1984

CONCLUSION

- 1.Cessna and Piper aircrafts are the most accident prone in both Make and Model
2. Most accidents happen under clear weather conditions when the aircraft is in cruise mode.
- 3.1980's had the most fatalities yet.
- 4.Extreme weather and cold play a significant role in an aircraft accident.

THANK YOU

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