

Project presentation

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Potentially Low Risk Aircraft Project

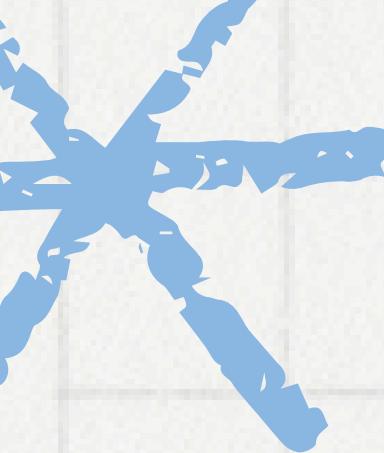
Data Analytics Project

Origin of the Data.

This data has been derived from the National Transportation Safety Board that includes aviation accident data from 1962 to 2023 about civil aviation accidents and selected incidents in the United States and international waters.

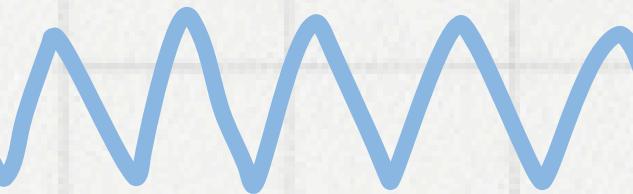
The data is available at [Kaggle.com](https://www.kaggle.com)





Project's Aim

The project aims to translate findings into actionable insights that would easily enable an investor to make a good decision.



The process

01

**Business
Understanding**

02

**Data
Understanding**

03

Data Analysis

04

Recommendations

What are the risks?



Number of engines?

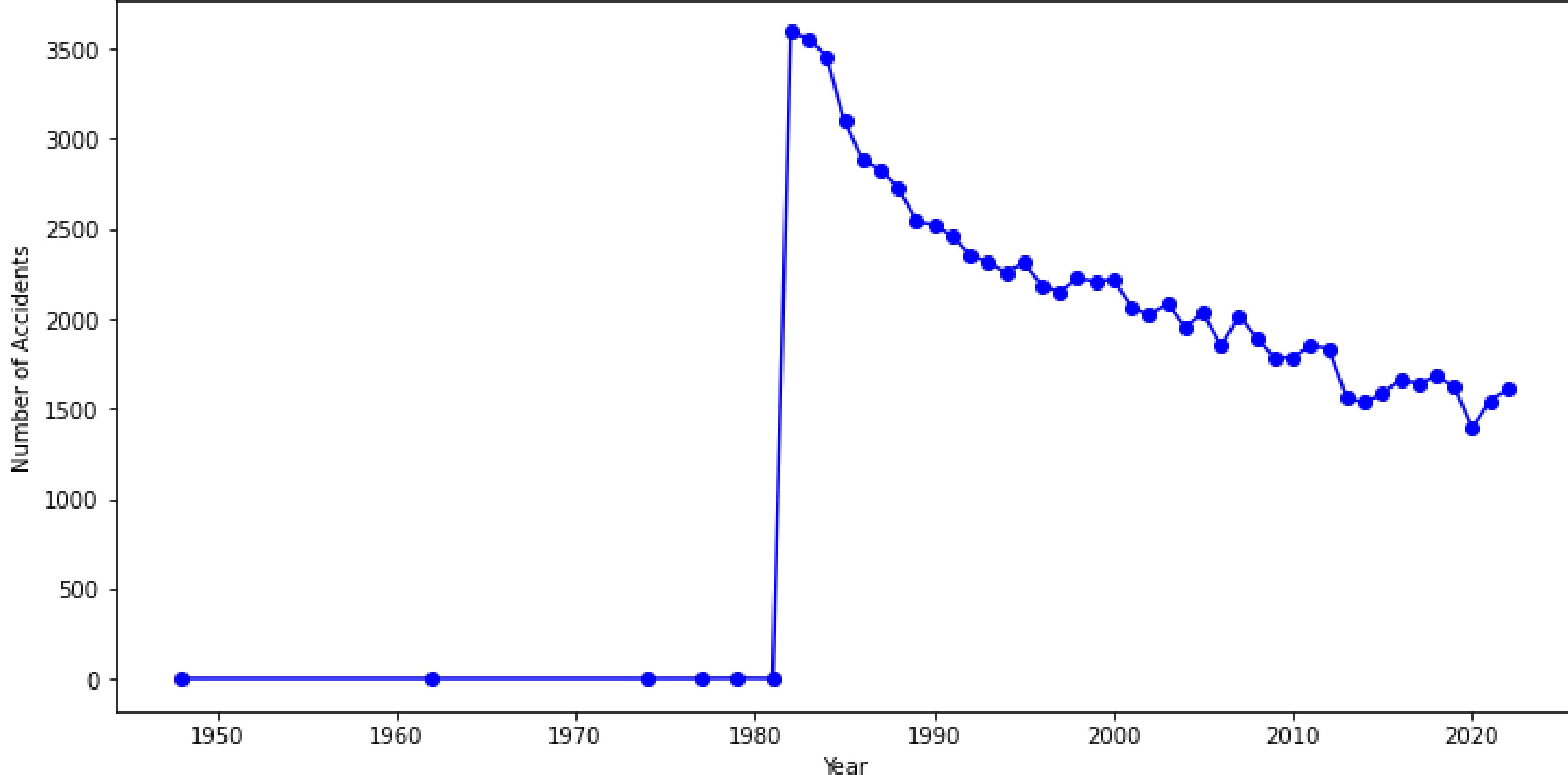
Investor's Mind

Engine type?



The purpose of the flight?

Trends in Aviation Accidents Over Time



observation

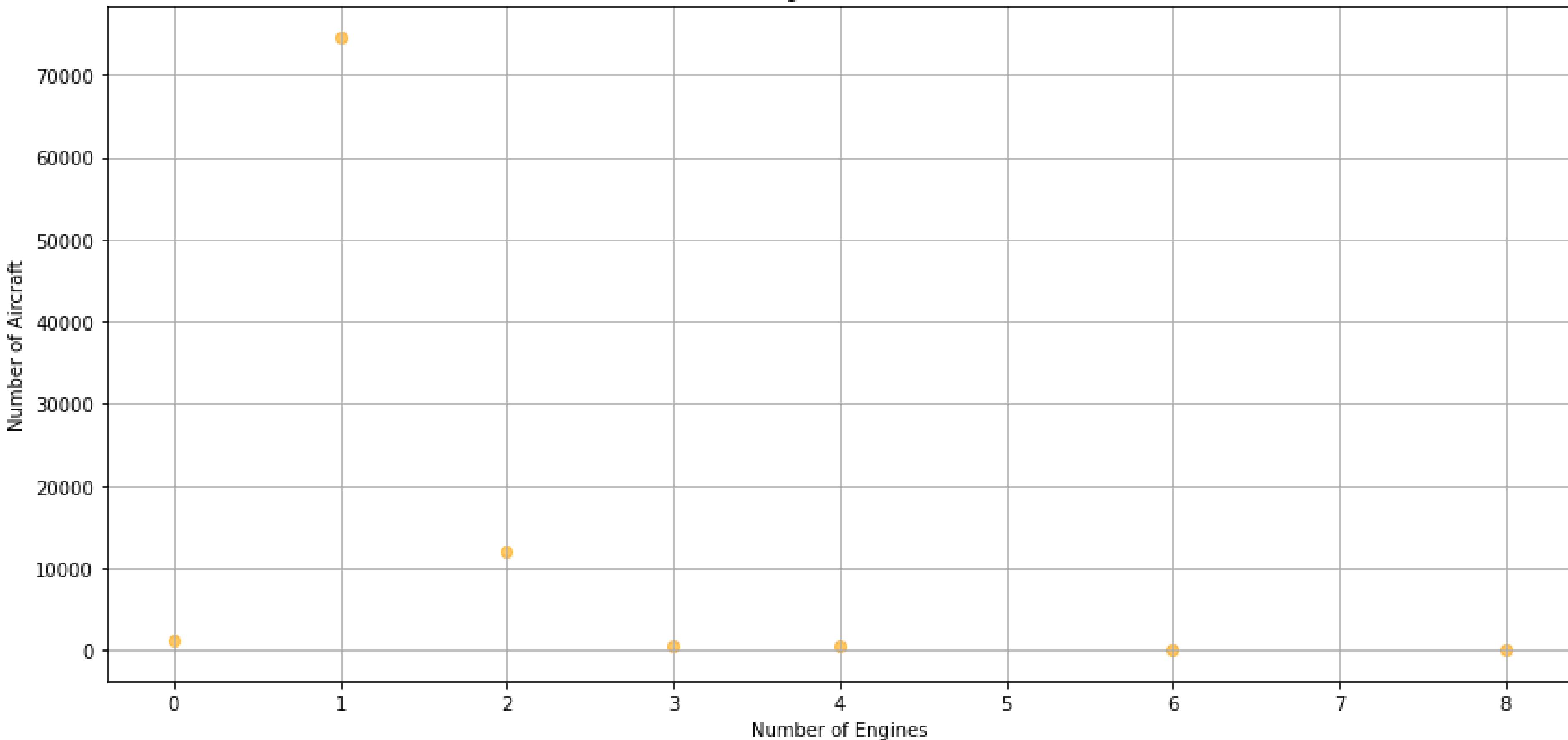
There has been a significantly continuous decrease in the number of accidents over the years.

Conclusion

From the observation made above, it is reasonable to conclude that the significant continuous decrease in the number of accidents is due to the constant growth in technology.



Number of Engines vs. Aircraft Count



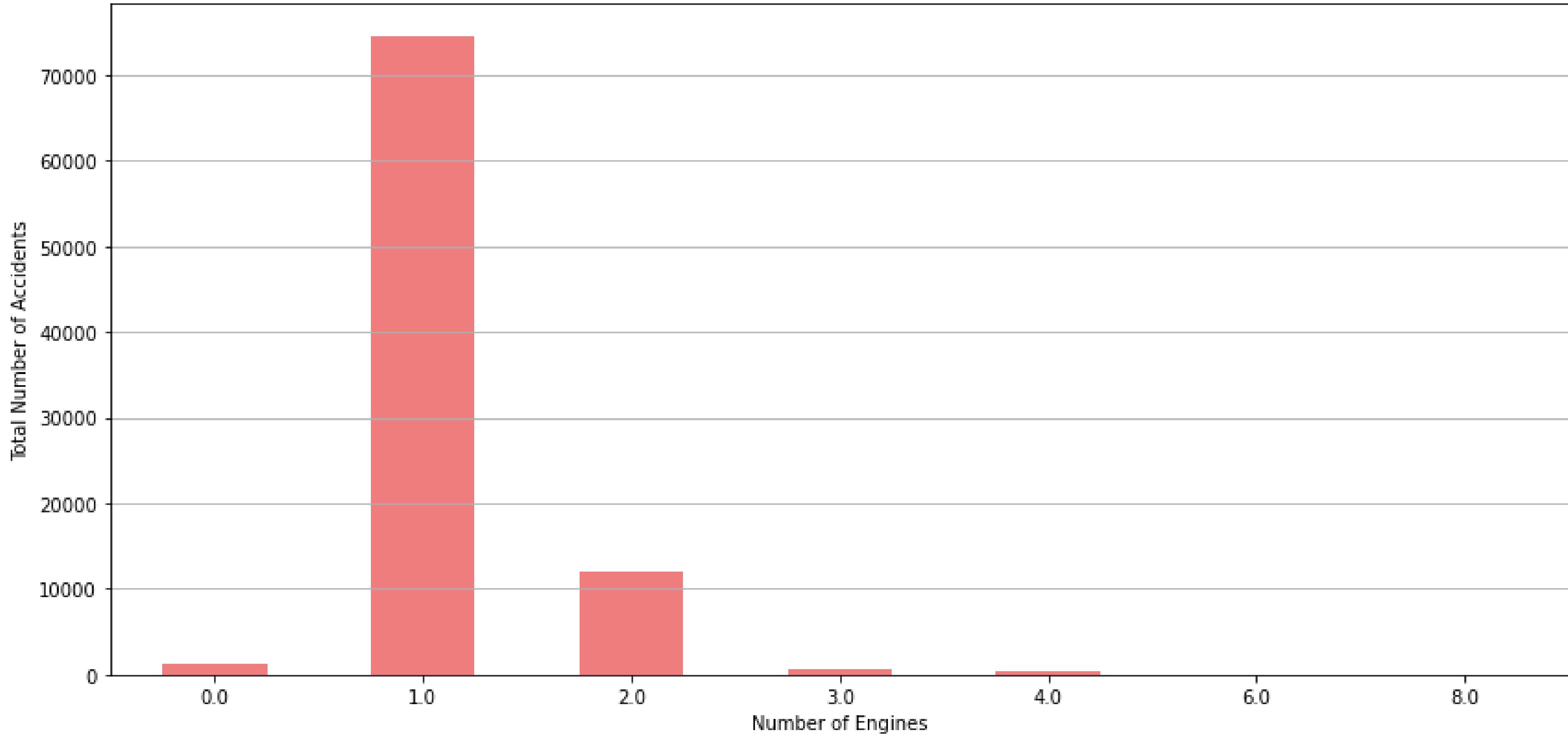
Observation

From the graph, we observe
that the one-engine aircraft has
the highest number of aircraft.

Conclusion

From the observations, it is reasonable to conclude that the high number of one-engine aircraft might be associated with the purchasing price: The more the number of engines on an aircraft the higher the purchasing price, hence some investors are limited.

Total Accidents by Number of Engines



Observation

The graph shows that the highest recorded number of accidents is associated with one-engine aircraft.

Conclusion

From the observation, we conclude that one-engine aircraft is highly vulnerable to getting into accidents.

Project vision and mission

01.

Two-engine aircraft: They have a lower accident risk and hence far much better than one-engine aircraft; they are also affordable.

02.

Modern Aircraft: Developed under modern technology and knowledge, modern aircraft ensure; the safety of the passengers and also the reputation of the company

**Thank you
very much!**