Flying Through The Years Analysis

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Summary

Descriptive analysis of data aviation accidents

- How many number of engines
- How many injury severities

Outline

- Business Understanding
- Data & Methods
- Results
- Conclusions

Business Problem

- Reduce accidents/injury
- Increase engines in each plane

Data & Methods

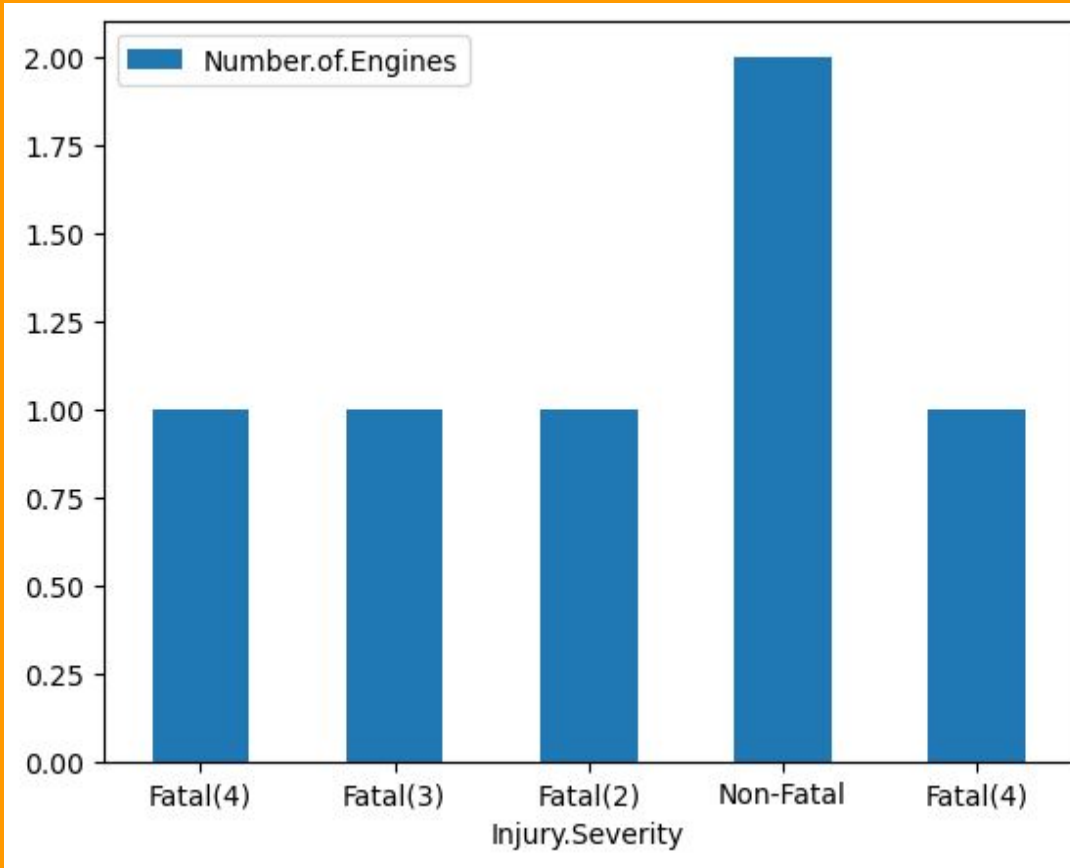
- Years of accident Reports
- The Amount of Injury Severities
- Number of Engines

	Accident Date	Injury.Severity	Number.of.Engines
0	1948-10-24	Fatal(2)	1.0
1	1962-07-19	Fatal(4)	1.0
2	1974-08-30	Fatal(3)	1.0
3	1977-06-19	Fatal(2)	1.0
5	1979-09-17	Non-Fatal	2.0
6	1981-08-01	Fatal(4)	1.0
7	1982-01-01	Non-Fatal	1.0
8	1982-01-01	Non-Fatal	2.0
9	1982-01-01	Non-Fatal	1.0
10	1982-01-01	Non-Fatal	1.0

Results

- The more engines the

  Less injury severity.



Limitations

- **How the engine failed?** No data on how the engine failed on an individual plane.

- **Was it the plane?** limiting factor if the plane was really the cause of the accident.

Conclusions

- Reduce accidents by having more engines.
- Improve each individual engine.

Next Steps:

- Further analyses could yield additional insights to further improve how many engine a plane should have to reduce accidents.
- Improve the engine quality to reduce any malfunctions.

Thank you !

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