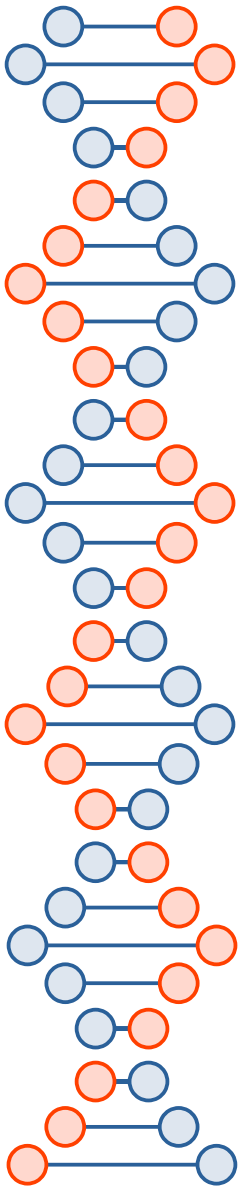
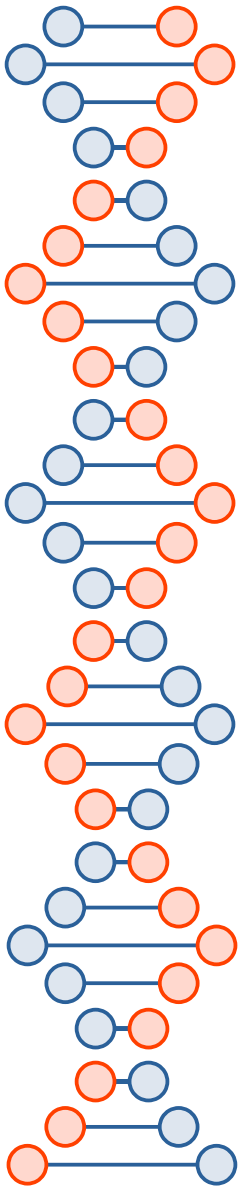


Aircraft Purchase Risk Analysis



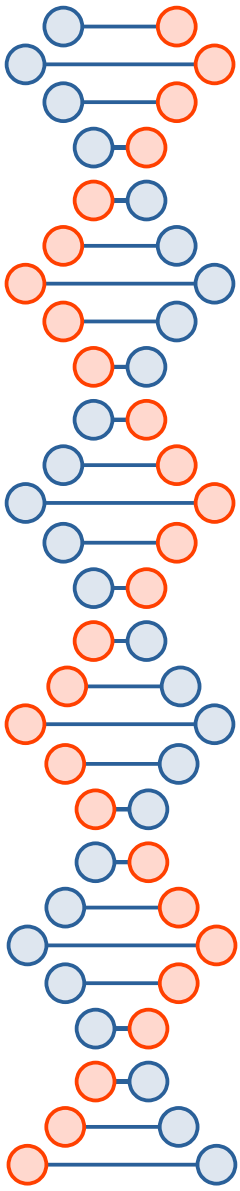
Summary

- The aim of this project is to analyze which aircraft are the lowest risk for a company to start as a new business endeavor using actionable insights derived from In-depth data analysis.



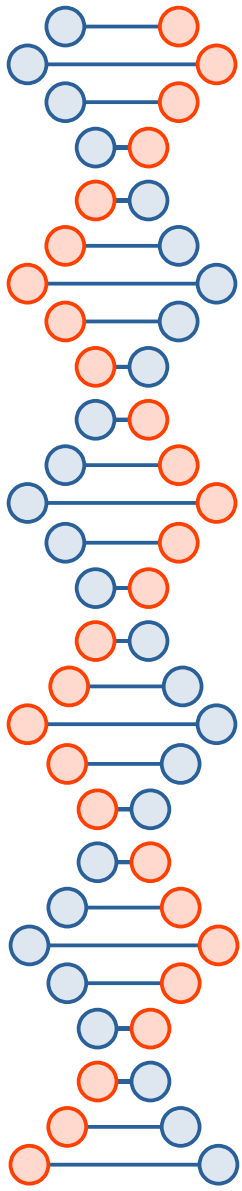
Outline

- Business Problem
- Results
- Conclusion

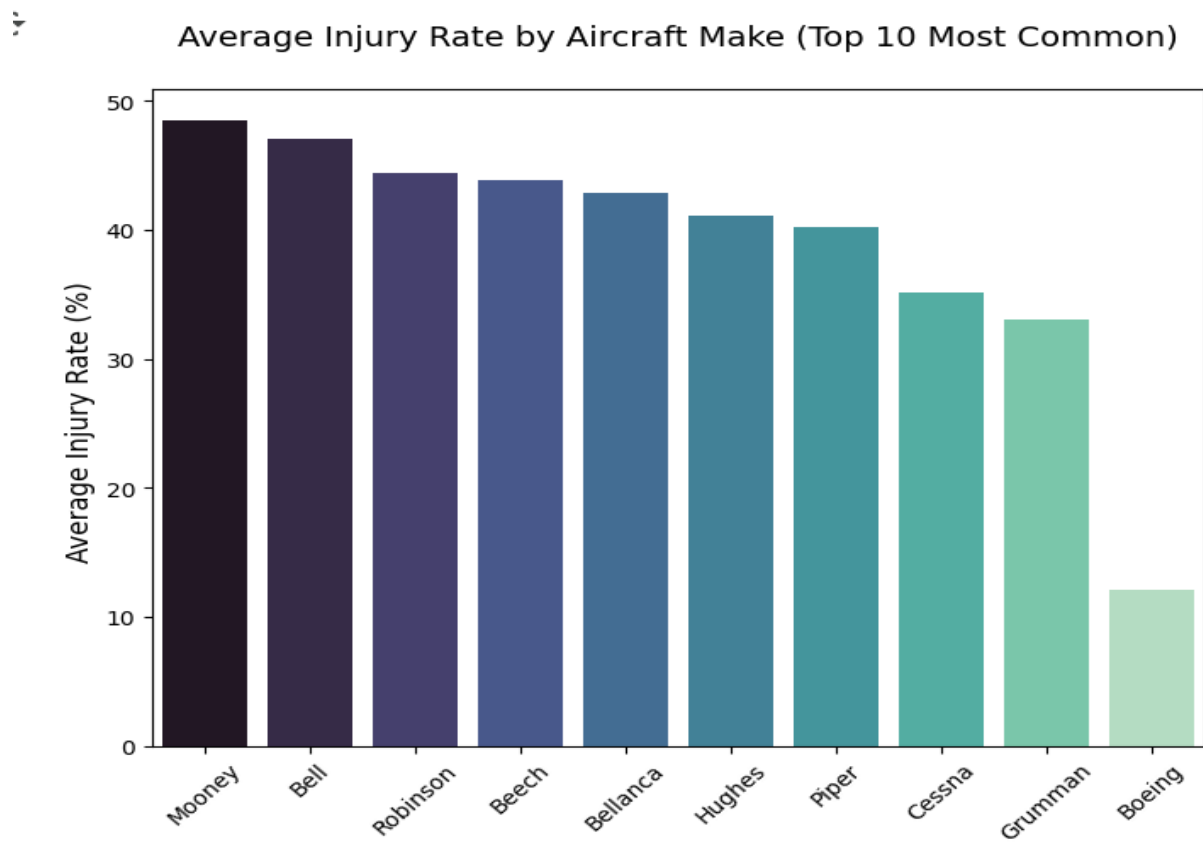


Business Problem

- To determine the safest aircraft with the lowest risk for a company to purchase when starting a new business endeavor. This decision will be guided by actionable insights from analysis

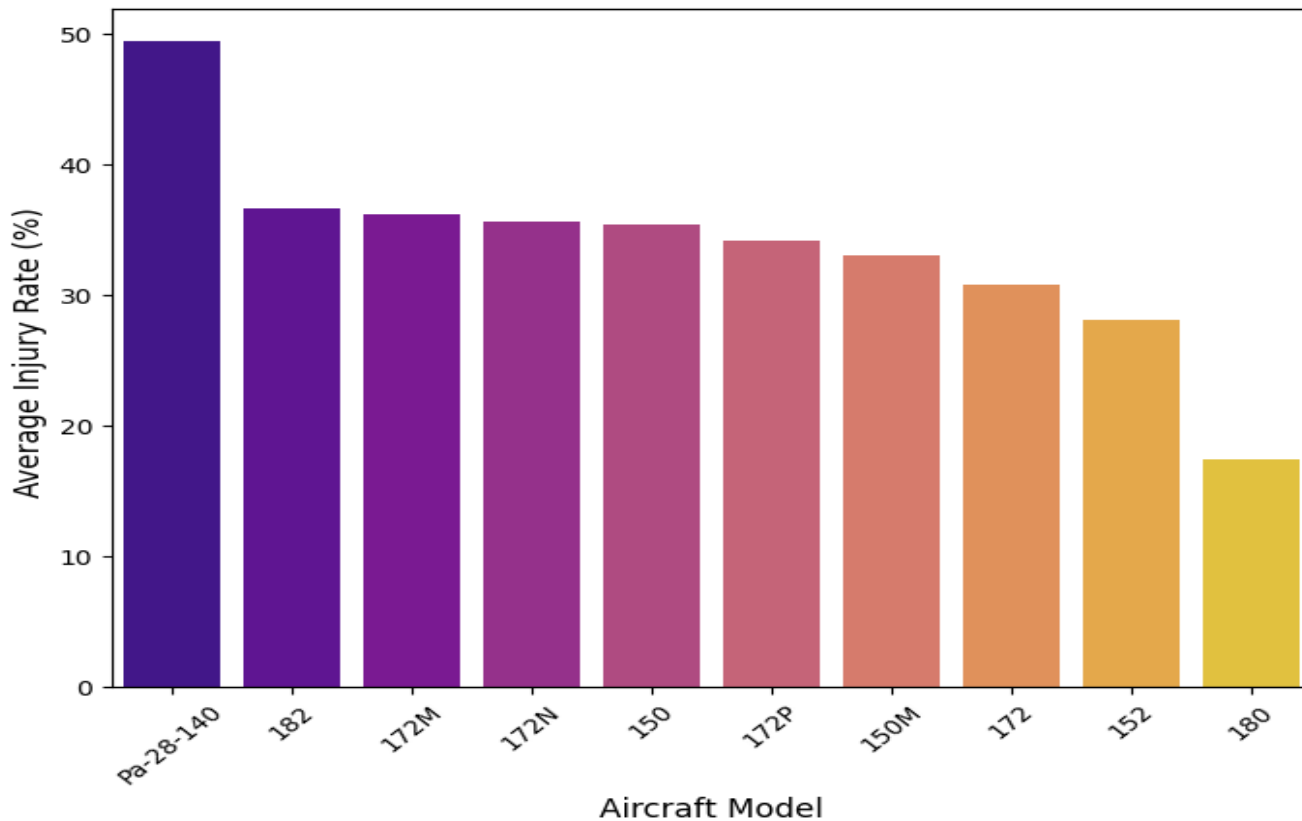


Result



Result

Average Injury Rate by Aircraft Model (Top 10 Most Common)

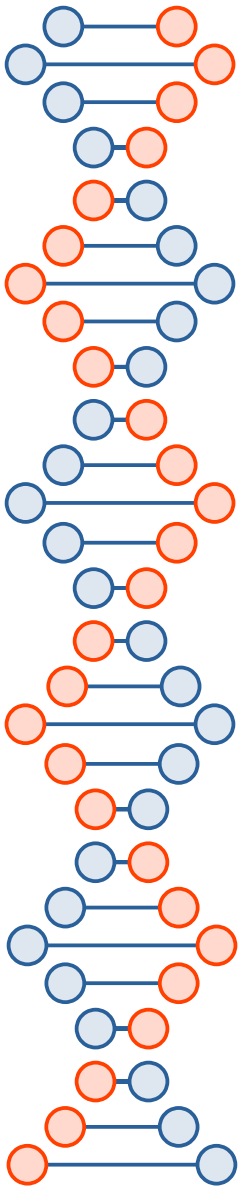




Recommendations

This analysis leads to **three Business recommendations**:

1. For a safer fleet, it is advisable to prioritize the Boeing** aircraft, as they appear to be less prone to severe accidents
2. The aircraft models 180 and 152 have shown consistently lower injury rates. Opting for these models could significantly mitigate the risk of injury
3. Aircraft with more powerful engines tend to have higher injury rates. To minimize risk, focus on aircraft powered by Turbo Fan or Turbo Jet engines, which typically offer a better balance of performance and safety



Conclusion

- Based on the analysis, selecting aircraft from manufacturers like Boeing, focusing on models such as the 180 and 152, and choosing aircraft with Turbo Fan or Turbo Jet engines, will likely reduce the overall risk of accidents and injuries.