

Airplane Safety Review

NTSB Accident Database

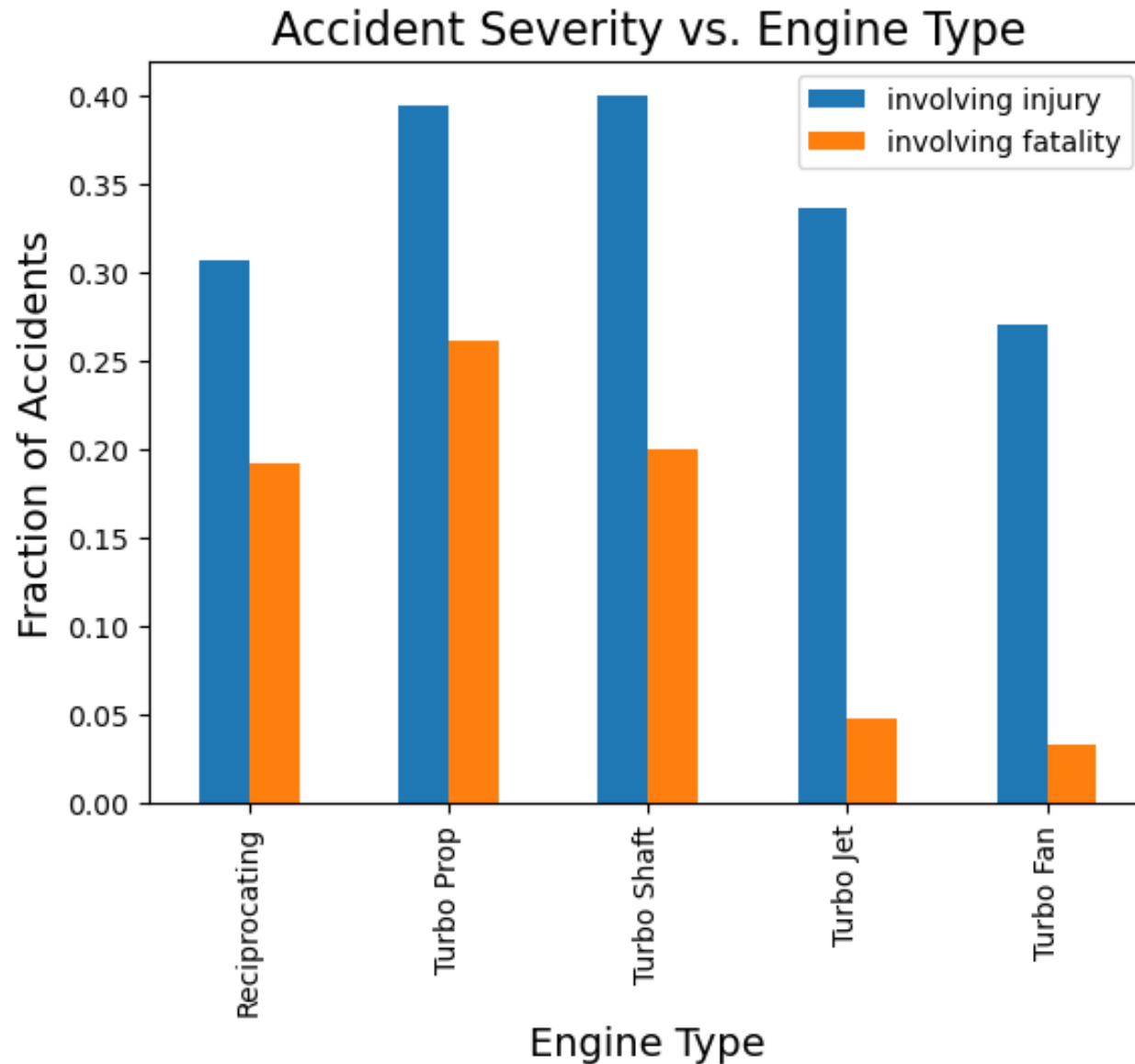
Safety Review of Aircraft

- Defining Safety of an Airplane:
 - Frequency of accidents
 - Severity of accident (serious injury or fatality)
- Airplane features to consider:
 - Engine type
 - Airplane type
 - Boeing vs. Airbus

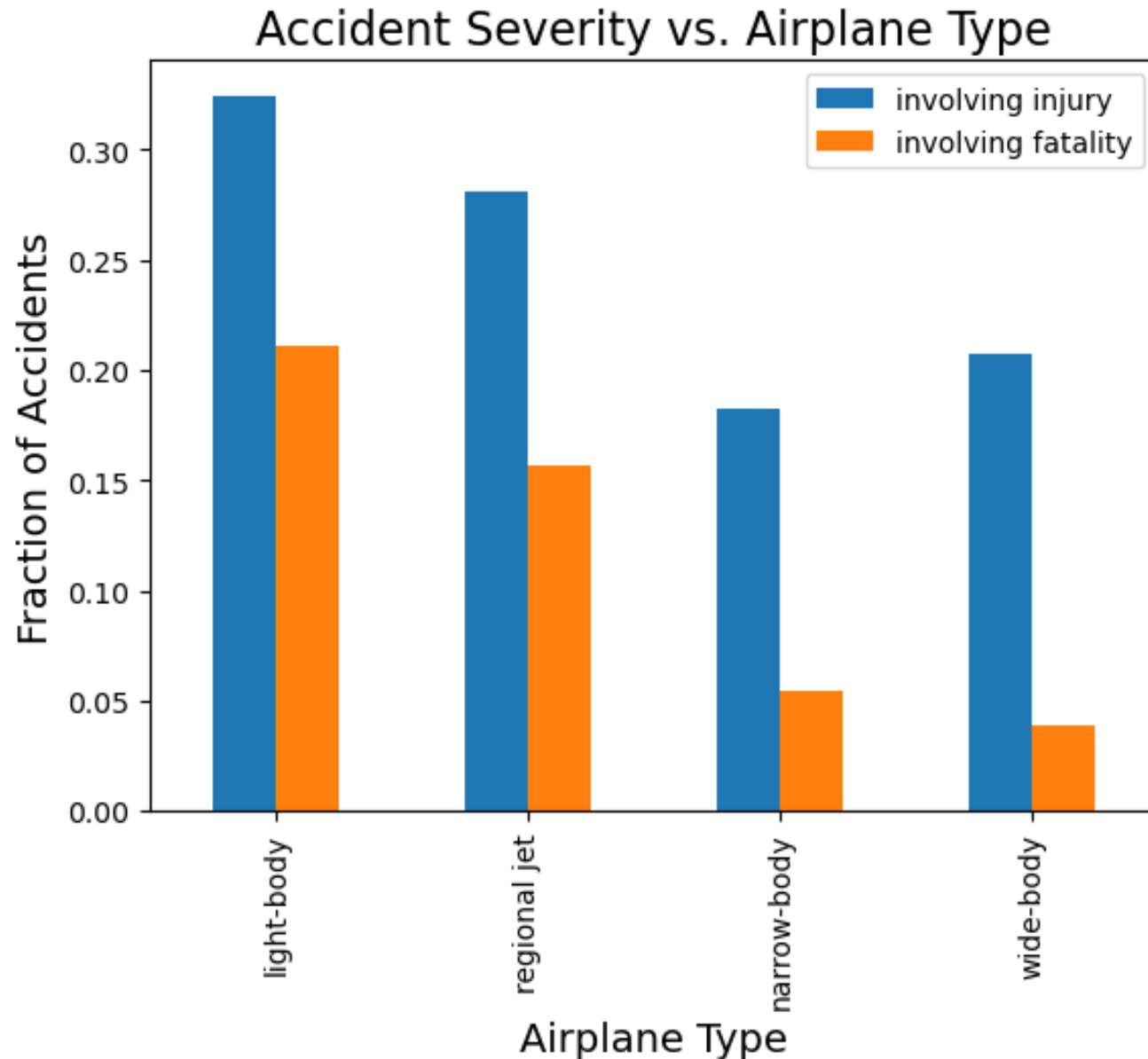
Safety Review of Aircraft

- Three questions:
 - Does the type of engine on an aircraft affect the severity of accident?
 - Does the type of aircraft affect the severity of accident?
 - Do Boeing or Airbus planes get in more accidents?

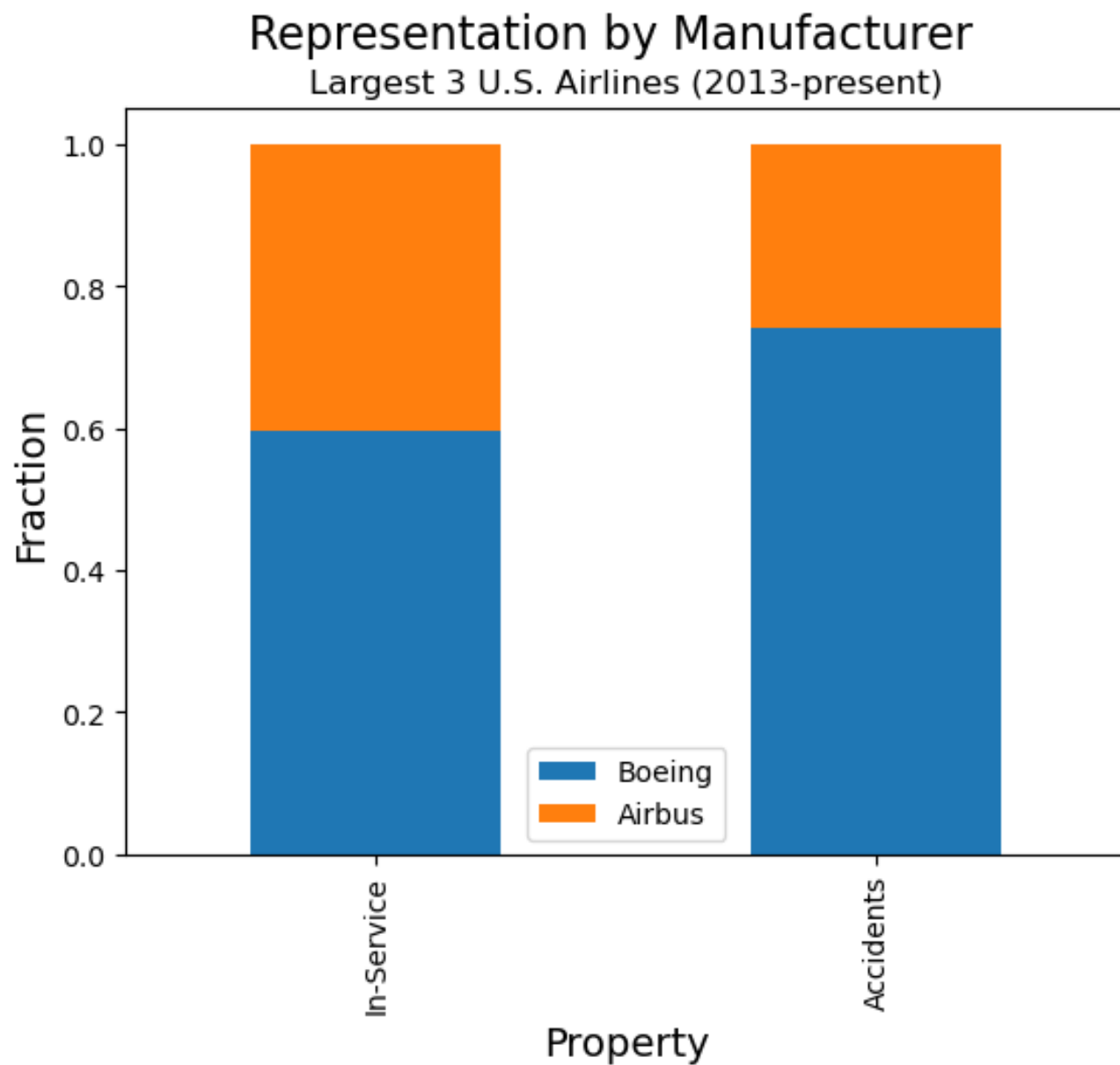
Type of Engine



Type of Airplane



Make



Conclusions

- These features can help to minimize the safety risk of an airplane:
 - **Engine Type:** Turbo Jet or Turbo Fan
 - **Airplane Type:** Narrow-Body or Wide-Body
 - **Make:** Airbus

Next Steps

- Control for different numbers of planes in field
- Determine if differences are statistically significant
- Account for accident causes

Questions?