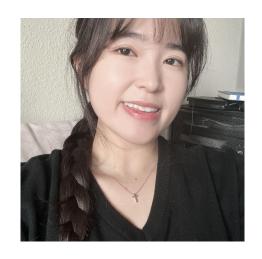


#### Meet the Team



Name: Sangyun (Yun) Thom

Role: Technical Lead

Email: sangyun.thom@gmail.com



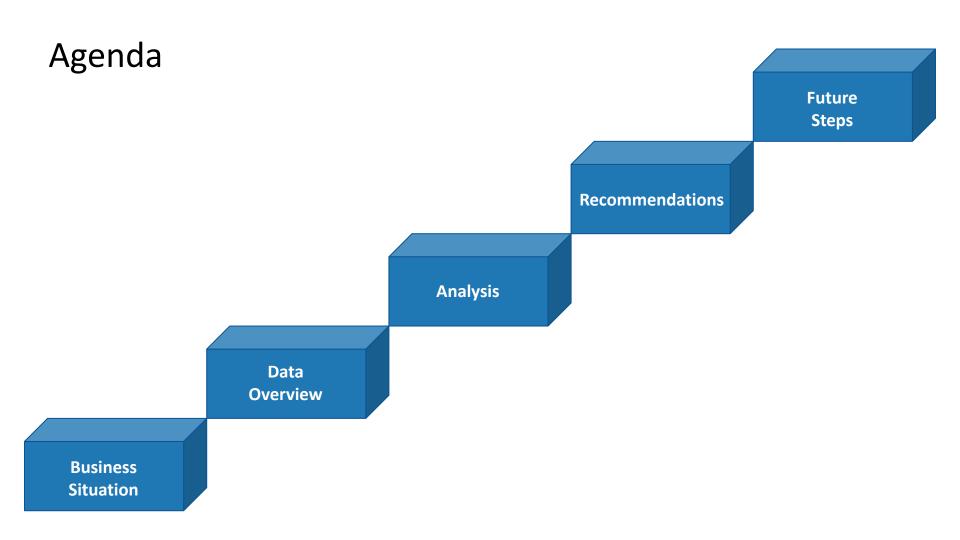
Name: Sean Harris Role: Github Lead

Email: smharris@myyahoo.com



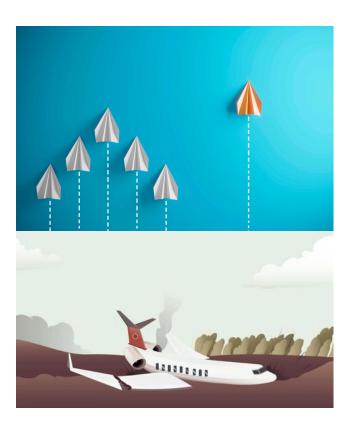
Name: Steven Hui Role: Tableau Lead

Email: stevenhui44@gmail.com



#### **Business Situation**

- Commercial air travel has recovered to pre-pandemic levels
- Aircraft production will double within the next
   5-6 years
- Evaluate the risk profile for commercial air travel
- Next steps to minimize the aviation risk profile



**Business Situation** 

#### **Data Overview**



National Transportation Safety Board

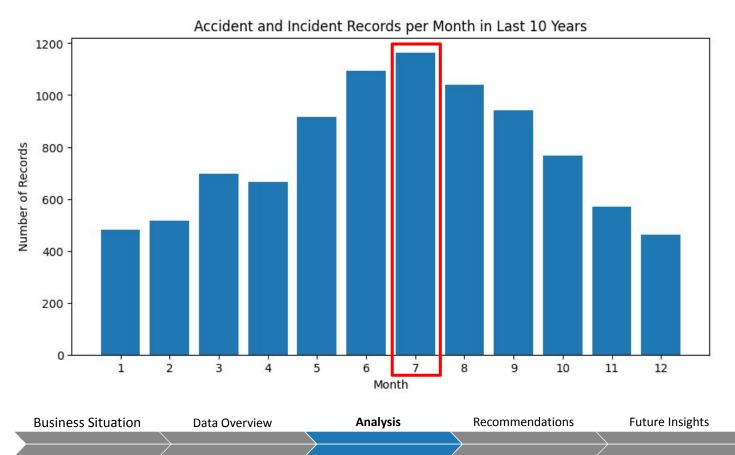
 Analyzed over 23,000 NTSB rows of data

 Accidents during last 10 years in the United States

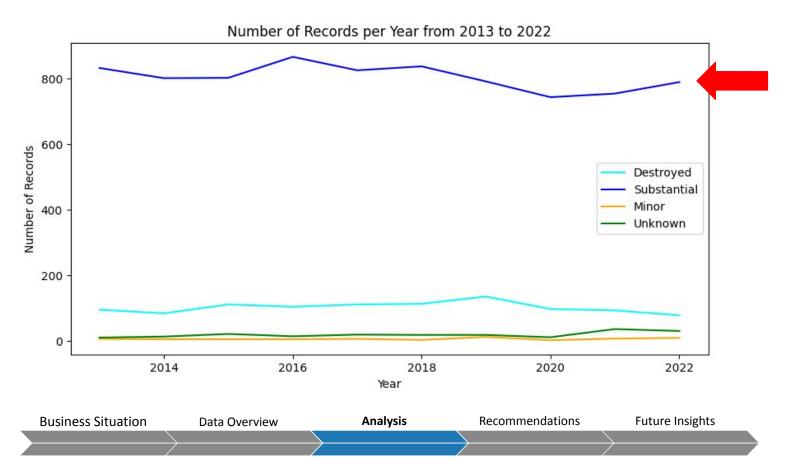
 Data does not include total flight hours or total number of flights by aircraft

Business Situation Data Overview Analysis Recommendations Future Insights

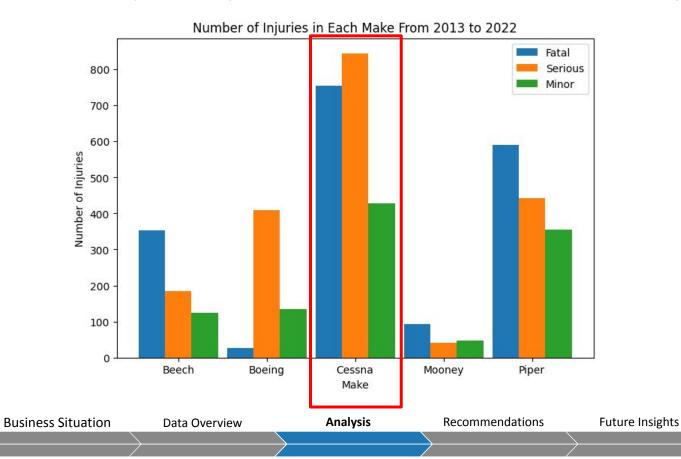
### July is the month with the most accidents



## Many accidents results in **substantial** damages



### Cessna from top 5 airplane makes have the most injuries



#### Recommendations

**Safety Training** 

**Stricter Policies** 

Selected Aircraft from Top 5 Makes





Beech
Boeing
Cessna
Mooney
Piper

**Business Situation** 

**Data Overview** 

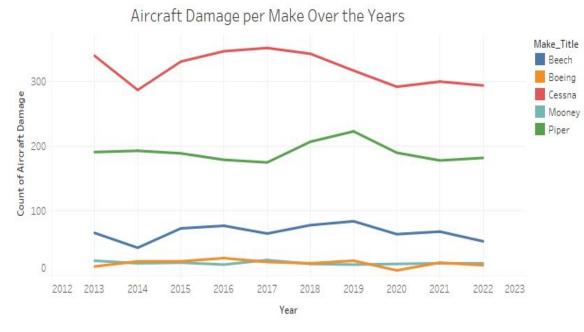
Analysis

Recommendations

**Future Insights** 

#### **Future Insights**

- Consider insurance options
- Consider engine configurations
- Develop safety policies for weather conditions

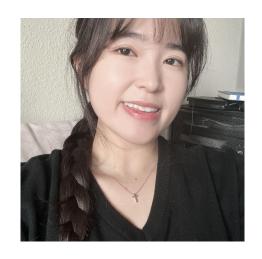


The trend of count of Aircraft.damage for Year. Color shows details about Make\_Title. The view is filtered on Make\_Title and Year. The Make\_Title filter keeps Beech, Boeing, Cessna, Mooney and Piper. The Year filter ranges from 2013 to 2022.

Business Situation Data Overview Analysis Recommendations **Future Insights** 

# Questions?

#### Meet the Team



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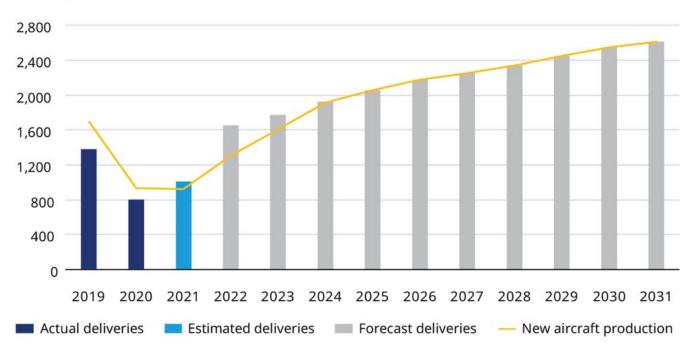
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# Appendix

# **Growth Opportunity**

#### Aircraft production and deliveries, 2019-2031

#### Annual production and deliveries



Source: Oliver Wyman analysis