

# **SOARING TO NEW HEIGHTS**

Analysis of Aviation accidents

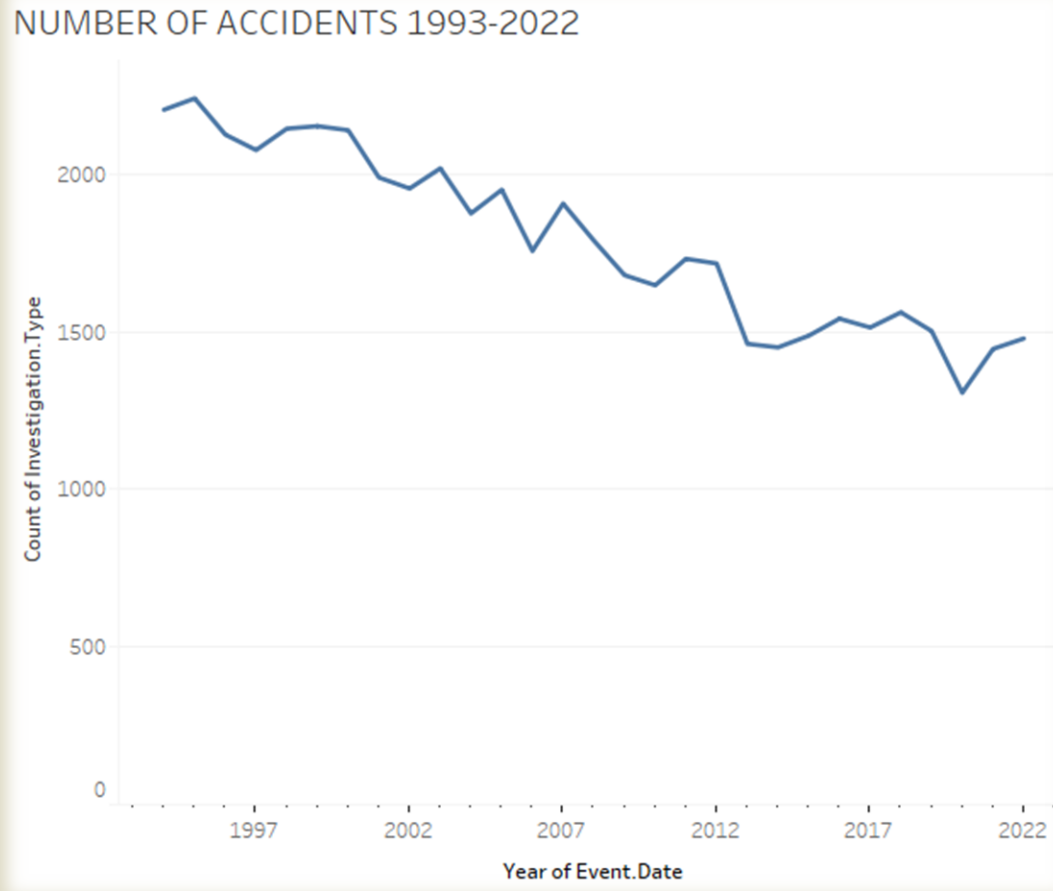
# Introduction

- In line with Our plans to diversify portfolios, by taking interest in purchase and operating aircrafts, for commercial and private enterprises. I have taken dataset from National Transportation Safety Board (NTSB) that has aviation accidents data from 1962 to 2023.

# Key areas of Our analysis

1. Number of accidents
2. Accidents from purpose of flight
3. Distribution of weather conditions and its effects on accidents

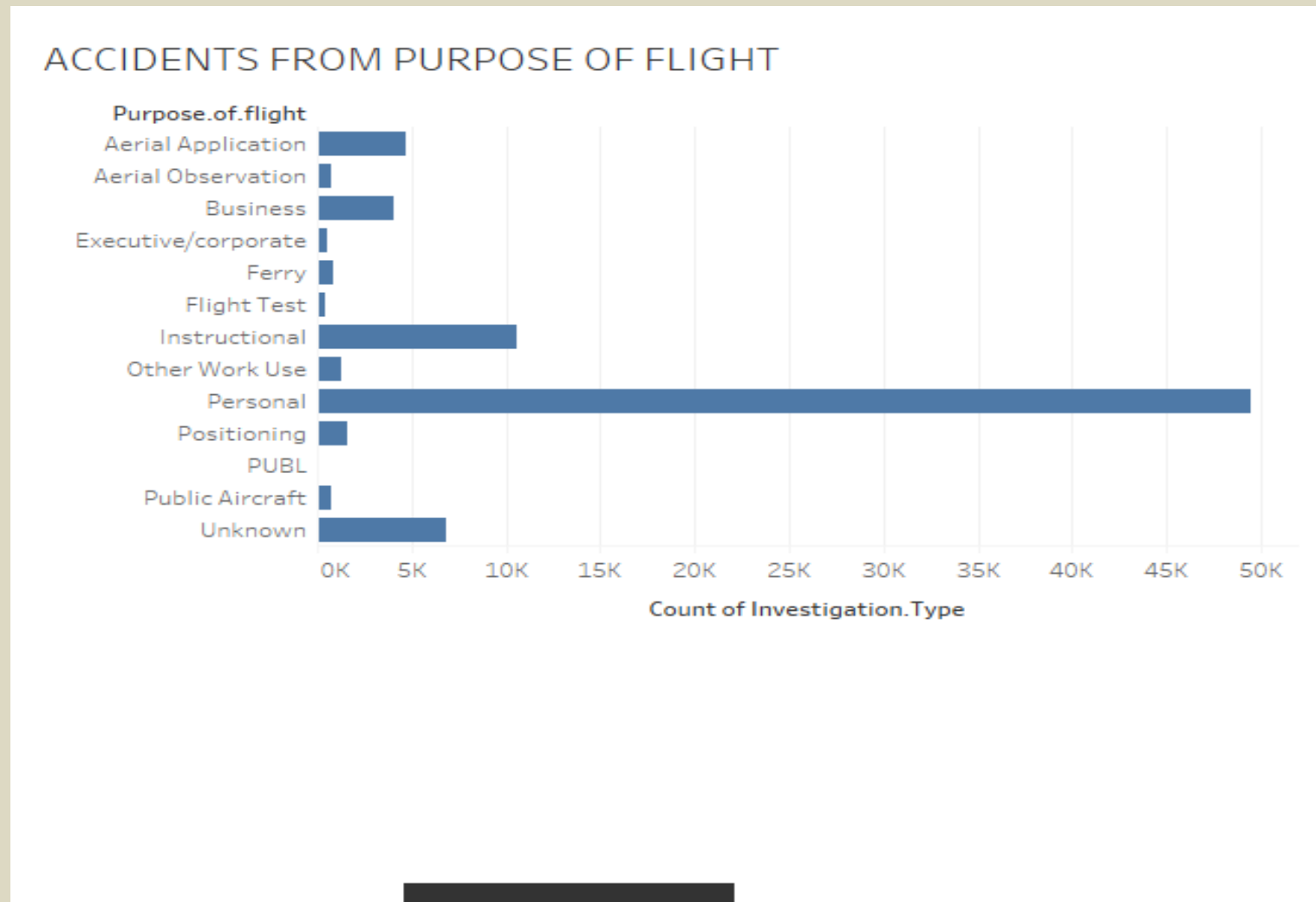
# Number of accidents from 1993-2022



# Analysis

- The number of accidents have been decline since 1993.This show a positive trajectory. This means all measures put and reviewed have been helping reduce accidents yearly

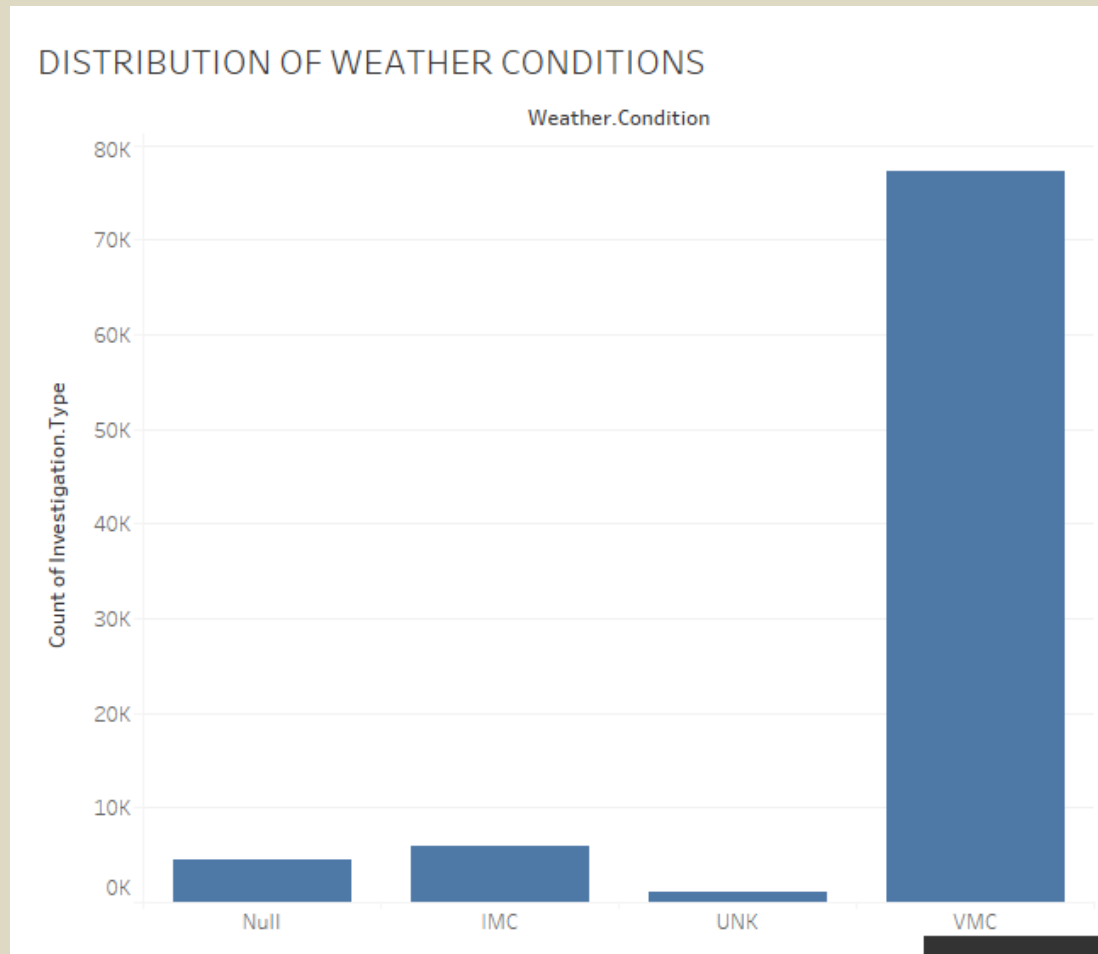
# Accidents from purpose of flights



# Analysis

- Most accidents are caused due to personal flights.
- Having trained pilots this will be minimal us we can see business flights are low accidents.

# Distribution of Weather conditions





# Analysis

- From the above, most accidents occur in VMC weather condition which is more favourable for pilots. Thus more flights are in operation during this time.
- This could be laxity and relaxation due to favourable weather. We will ensure there is frequent awareness of safety regulations across all weathers.

# conclusion

- I recommend refresher training and creating awareness to remind Pilots of safety protocols during good weather conditions.
- venturing in commercial flights gives as an edge of less accidents. Due to safety protocols and regular trainings We are guaranteed to avoid such

Thank you all