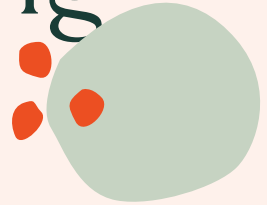


# BLACK GROUP CORPORATE

Investors in every aspect



# Business Understanding



## BRIEF DESCRIPTION

We as Black Group have decided to expand our investment into the air space industry. We want to venture in the public and private air sectors. From boeings to helicopters

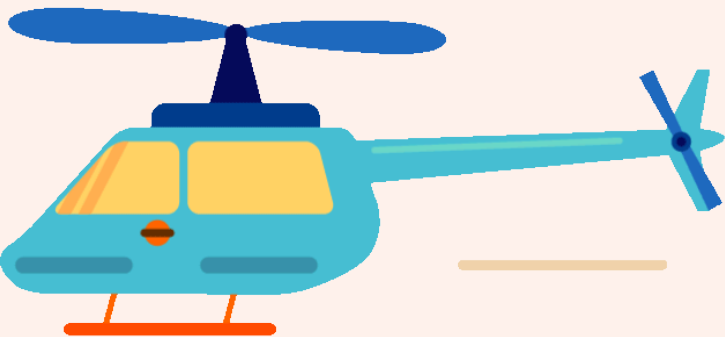


# PROBLEM STATEMENT



## OBJECTIVE

I am looking at data of previous air crashes to see which had makes and models had the least damages and injuries.





# DATA

Data from Kaggle

AviationData from the NTSB of accidents from 1962 to 2023

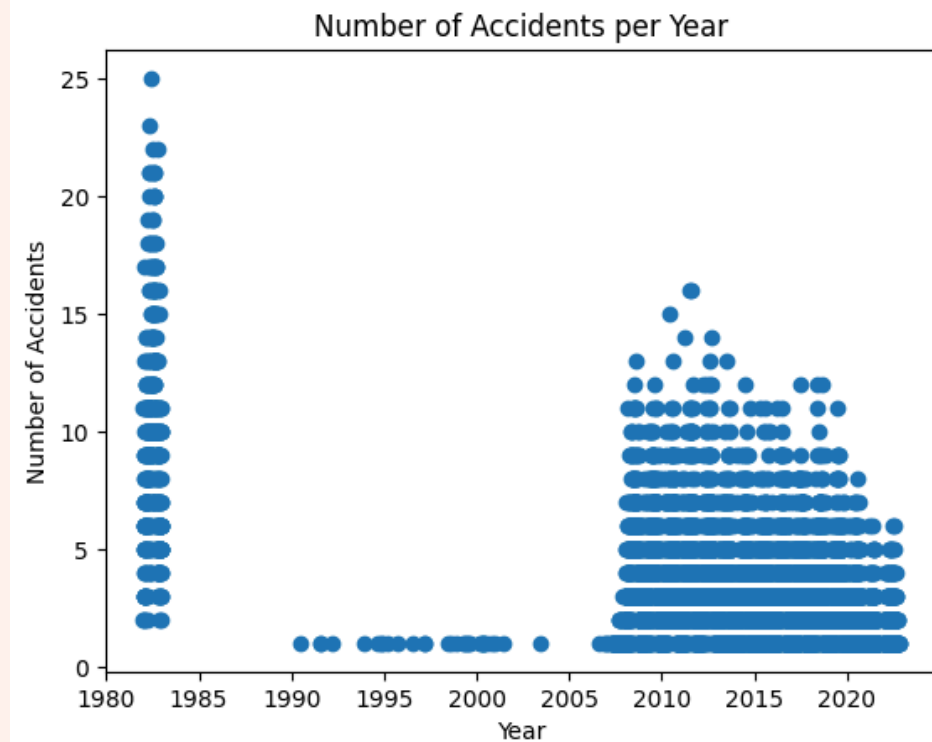
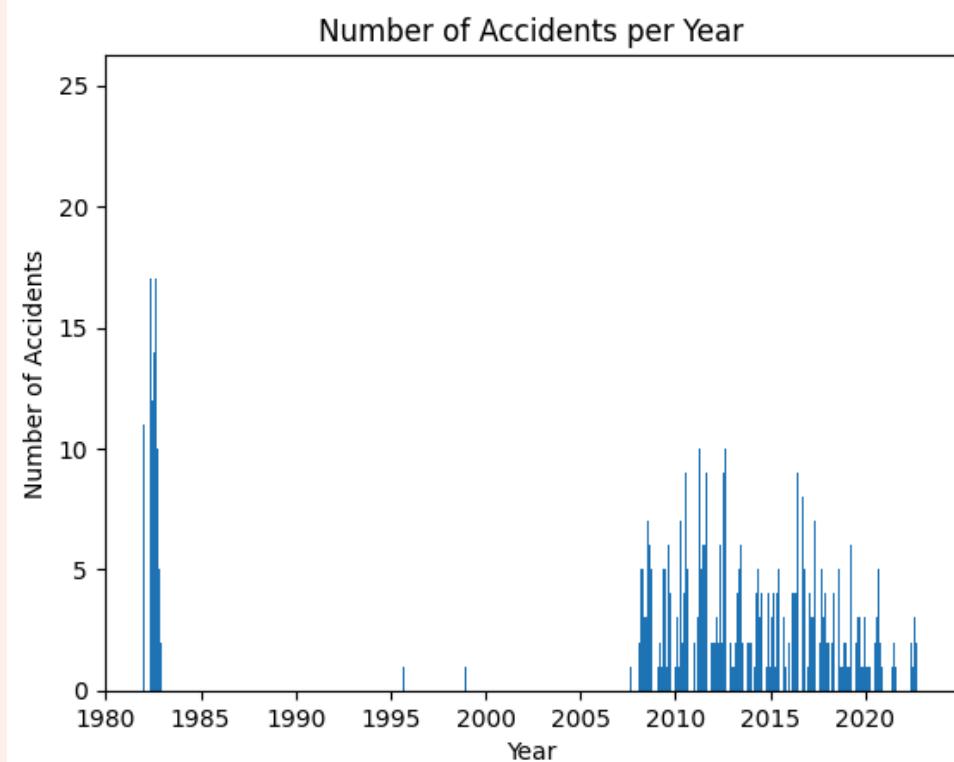


# DATA ANALYSIS

Here will be the results of the  
completed analysis.

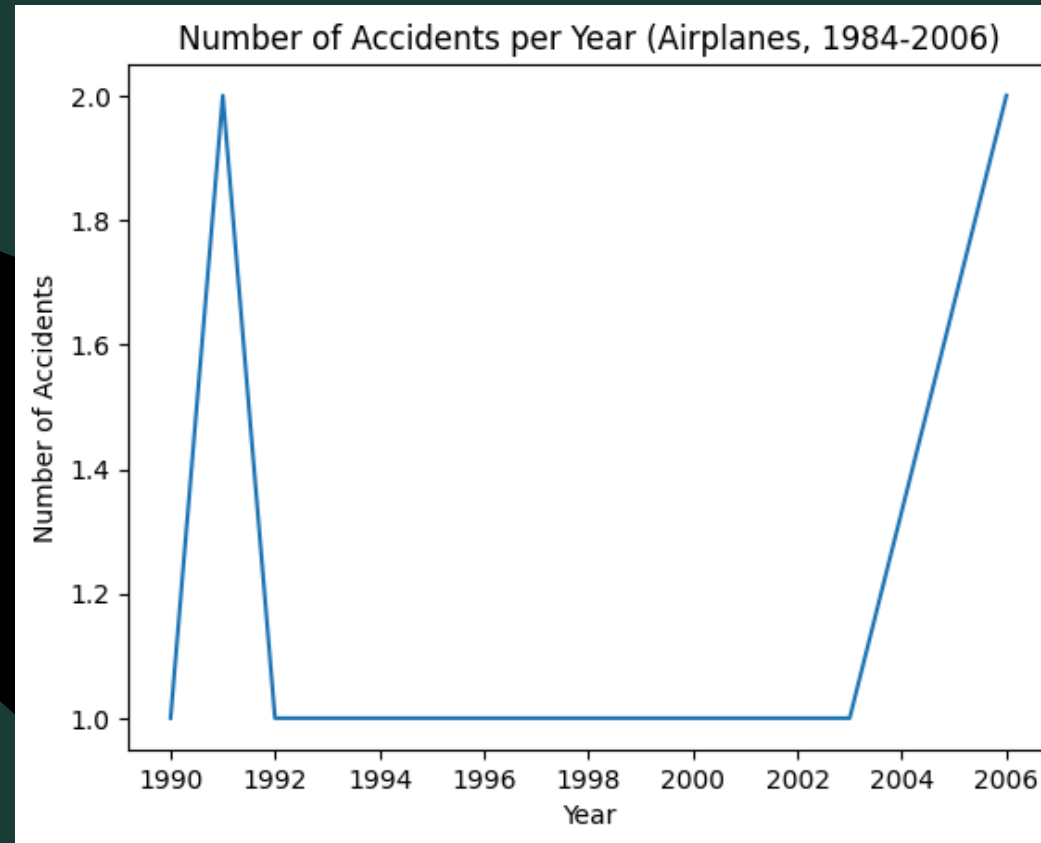


This research shows that from around 1984 to around 2007 the number of accidents were fewer but from then onwards we see the airspace accidents were kinda crazy.

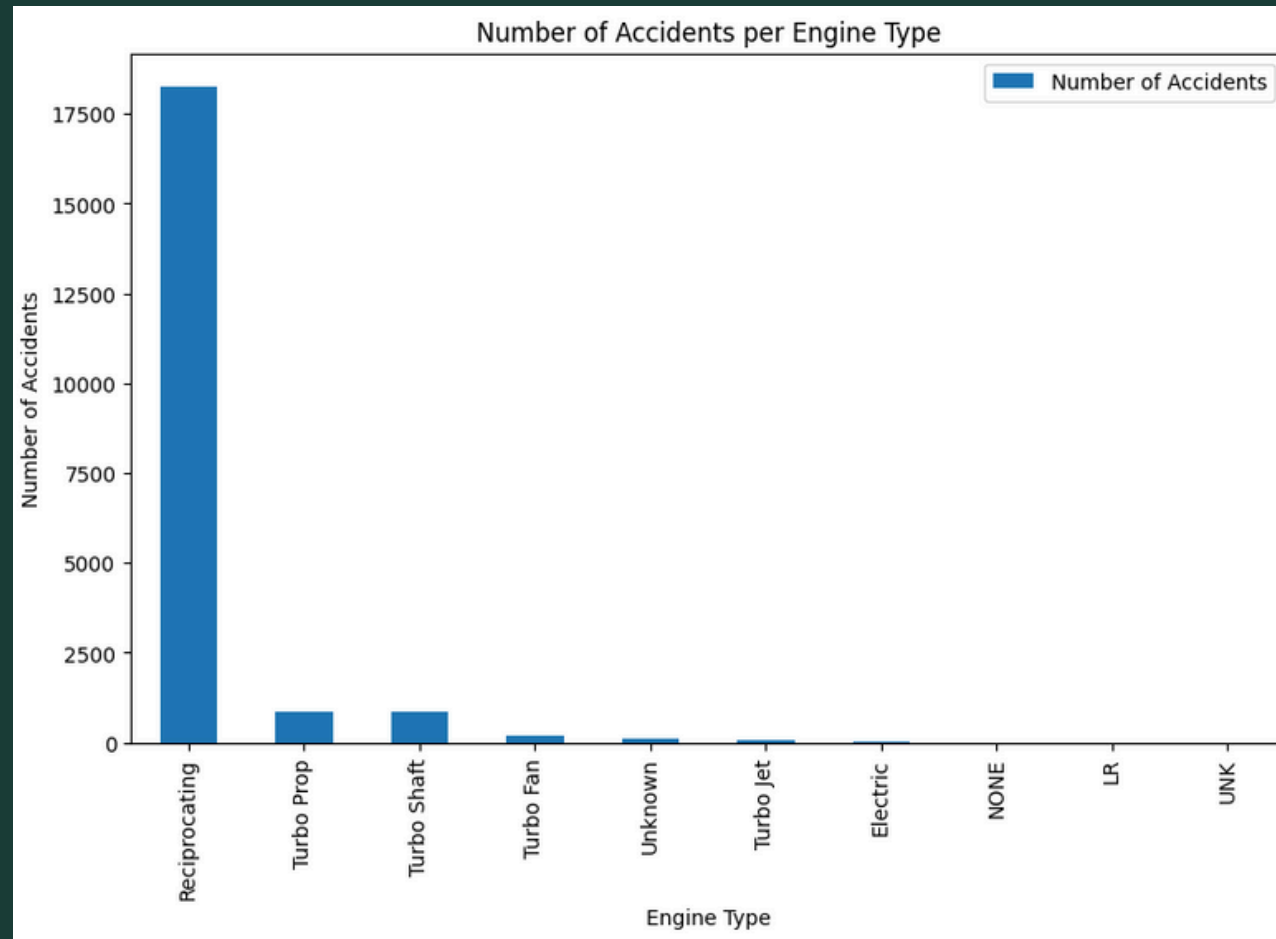


This is how the graph of some of the accidents in the duration looked like. The following were planes used during that period.

- Piper - PA-28-180
- Bellanca - 7GCBC
- Piper - PA-18
- Fokker - 28-4000
- Piper - PA-32
- McDonnell Douglas - MD-88
- Piper - PA-28-181
- Cessna - 182H
- Aircraft Mfg & Dev. Co. (amd) - CH601XL SLISA
- Mooney - M20R

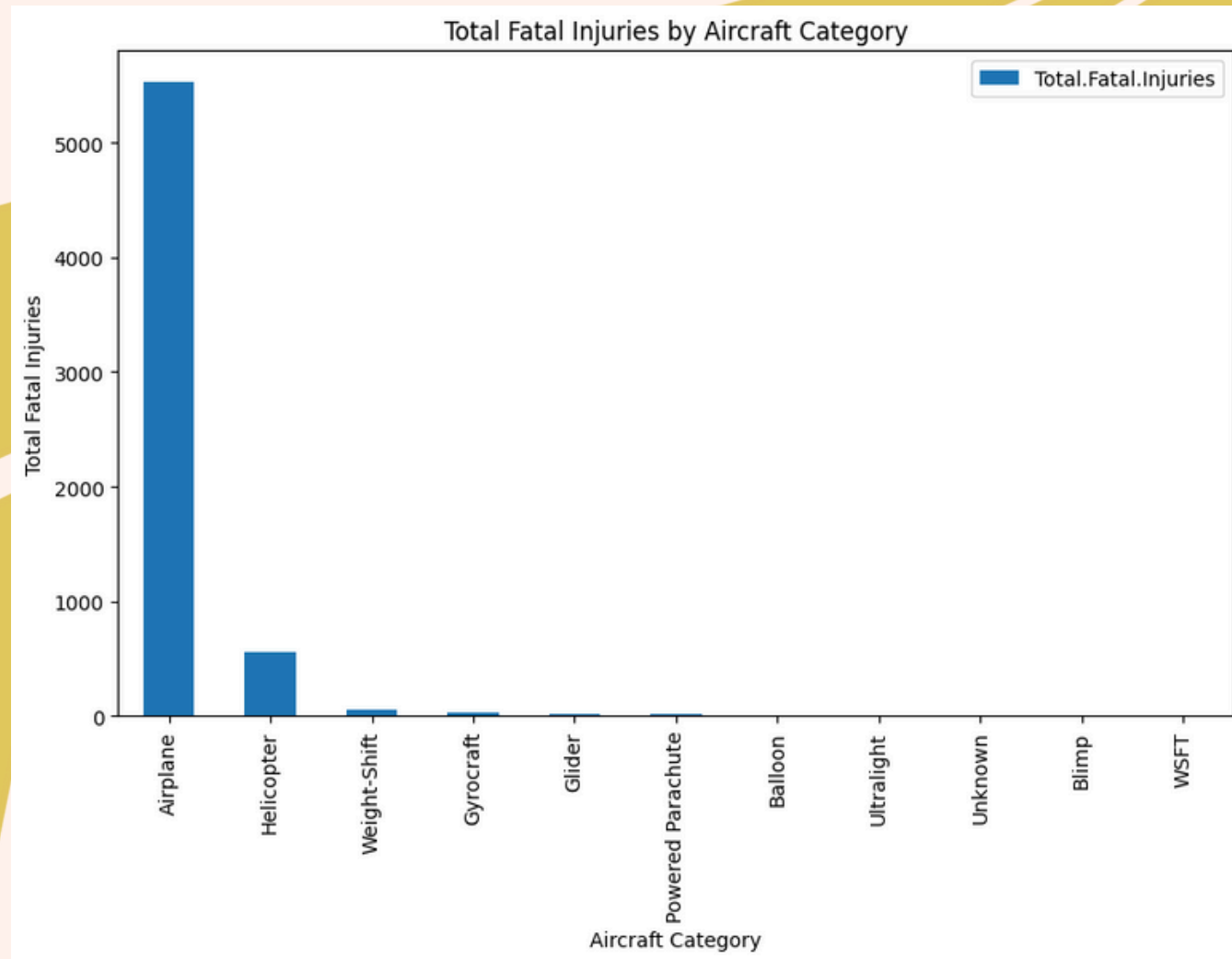


From the graph we can see that planes with reciprocating engine types were involved in the highest number of accidents. For future reference we should avoid buying planes with reciprocating engines





From the observation we can see airplanes have most number of injuries, because they may be the most common air travel option. We will have to be keen on the type of airplanes we buy to avoid fatalities with high numbers such as this one.

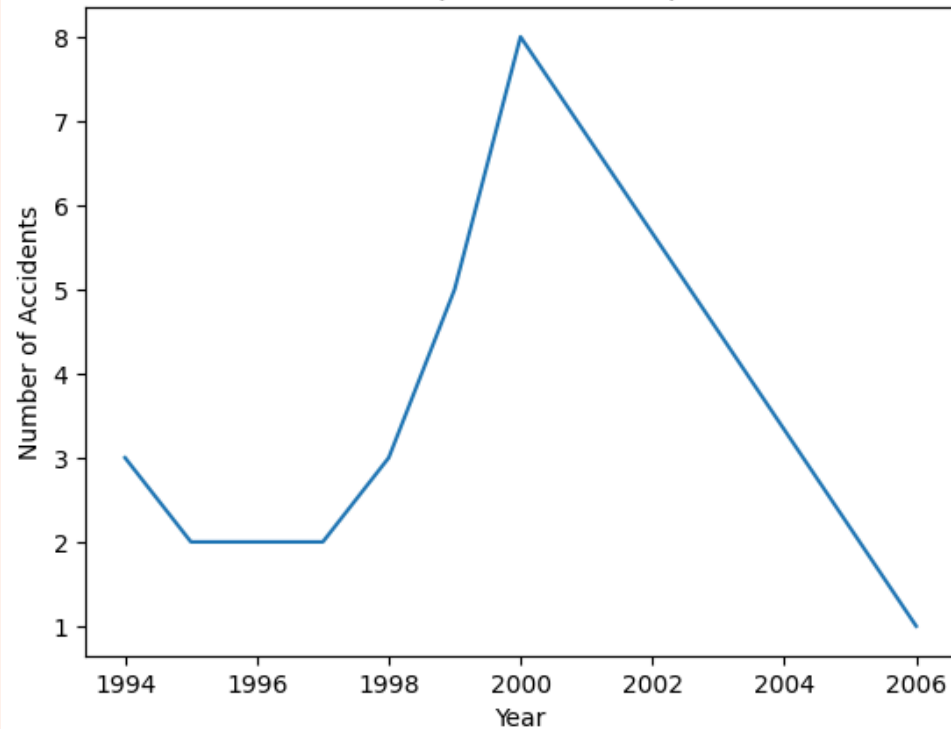


# HELICOPTERS

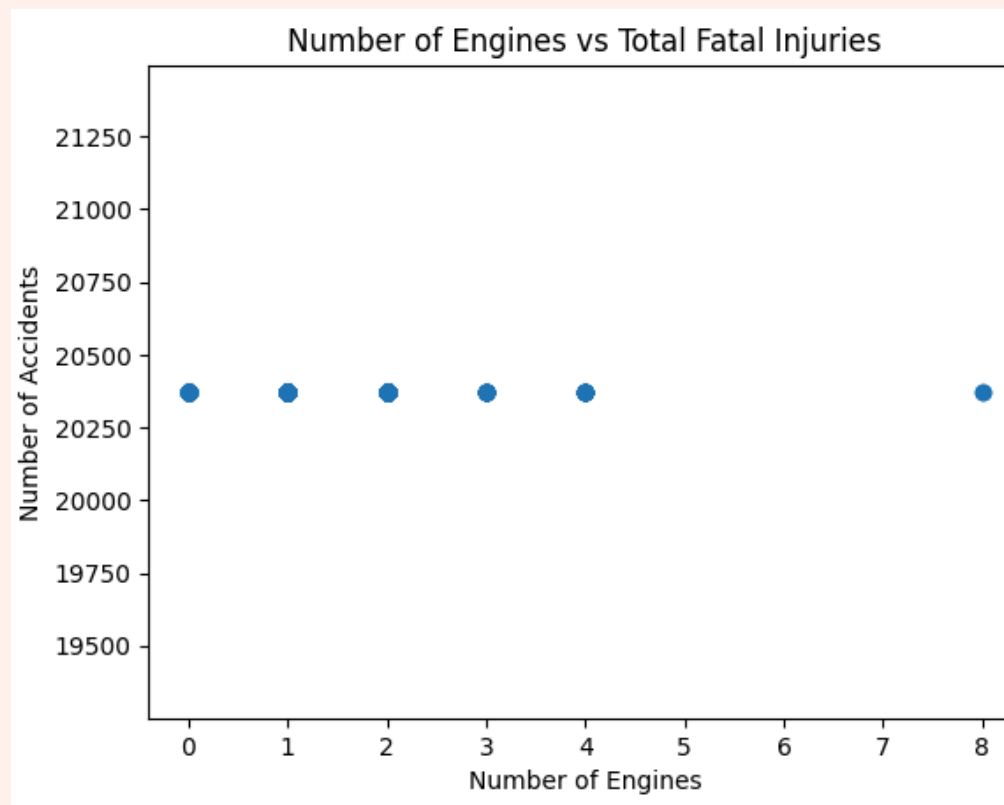
Helicopters don't have a lot of accidents. From the graph the helicopters from 1984-2006 were;

- Aerospatiale - SA316B
- B??lkow - BO-105S
- Agusta - A109A II
- Bell - 230
- Aerospatiale - AS-355F
- Mbb - BO-105S
- Eurocopter - AS350BA
- Bell - 222
- Aerospatiale - AS-350-BA
- Mbb - BO-105CBS-4
- Bell - 222UT
- Sikorsky - S-76A
- Mbb - BK-117-B2
- Bell - 206L
- Bell - 412
- Bell - 222U
- Eurocopter - BK117-A3
- Eurocopter - BK-117-A4
- Eurocopter - AS350B2
- Bell - BH-222-U
- Aerospatiale - AS-355-F2
- Bell - 206-L3
- McDonnell Douglas Helicopters - 369E

Number of Accidents per Year (Helicopter, 1984-2006)



as seen and as per contrary opinion the number of engines on a plane does not affect the number of accidents, so number of engines shouldn't be a factor to consider when buying an aircraft





# Recommendations

First of all we must avoid planes with a reciprocating engine.

Secondly from the lists I have made in the previous slides I would recommend those aircrafts as they have deemed effective and safe.

# INFO



Lead analyst~ Brandon Kanyi Mwangi

## EMAIL

kanyibrandon@gmail.com  
brandon.mwangi@student.mo  
ringa.com

## LINKEDIN LINK

WWW.LINKEDIN.COM/IN/BRANDON-KANYI-  
51267223B

## PHONE

123-456-7890

