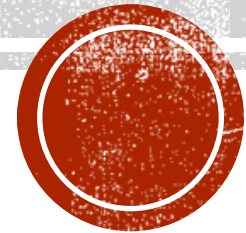


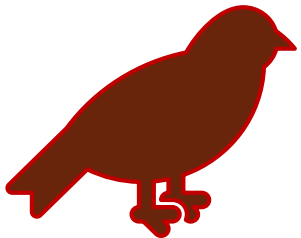


DATA VISUALIZATION OF BIRD STRIKES BETWEEN 2000 — 2011

Analyzing Bird Strikes in the Aviation Industry



Jyoeti Aanand
21 Feb 2025



INTRODUCTION

- Bird strikes are a major concern in aviation safety.
- These incidents occur when birds collide with aircraft, potentially causing damage.
- Understanding patterns in bird strikes can help improve aviation safety measures.



PROBLEM STATEMENT

- Bird strikes can lead to financial losses and safety risks.
- Identifying high-risk airlines, airports, and flight phases is crucial.
- This study aims to analyze bird strike trends and their impact on aviation.



DATASET DESCRIPTION

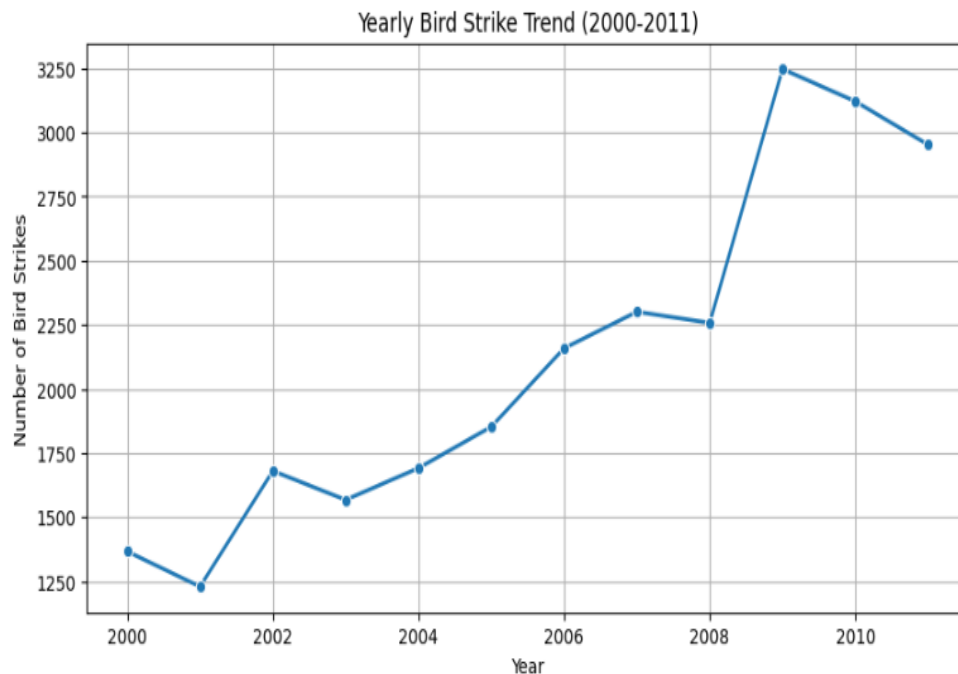
Data collected by the FAA (2000-2011)Key attributes:

- Year of incident
- Airline & Airport involved
- Cost incurred (\$)
- Altitude & Flight phase
- Bird species & Size
- Pilot warnings & strike effects

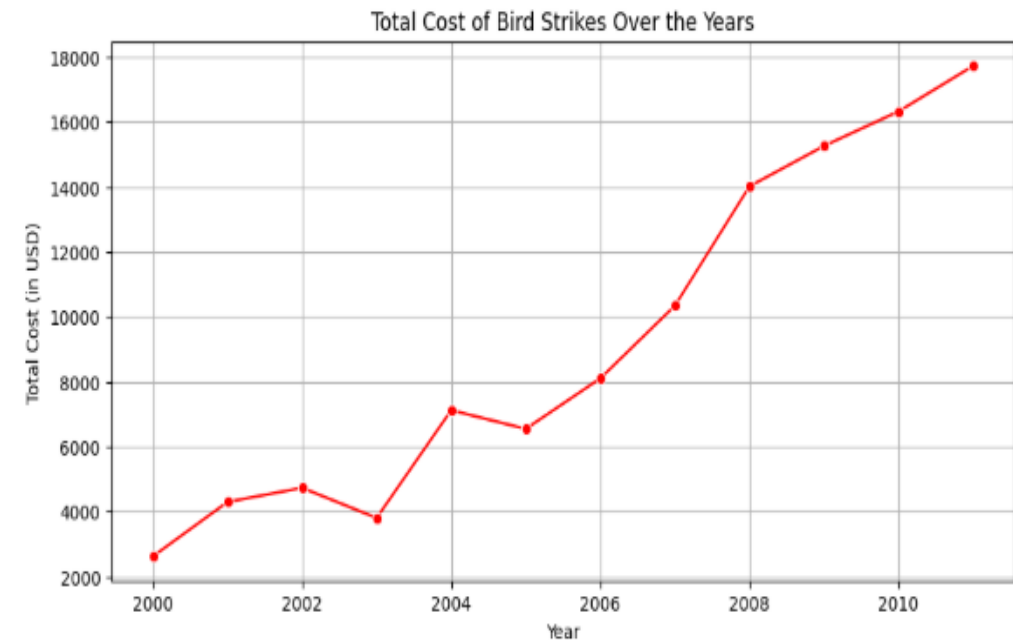


PYTHON DASHBOARD

Incident Yearly Bird Strike Trend

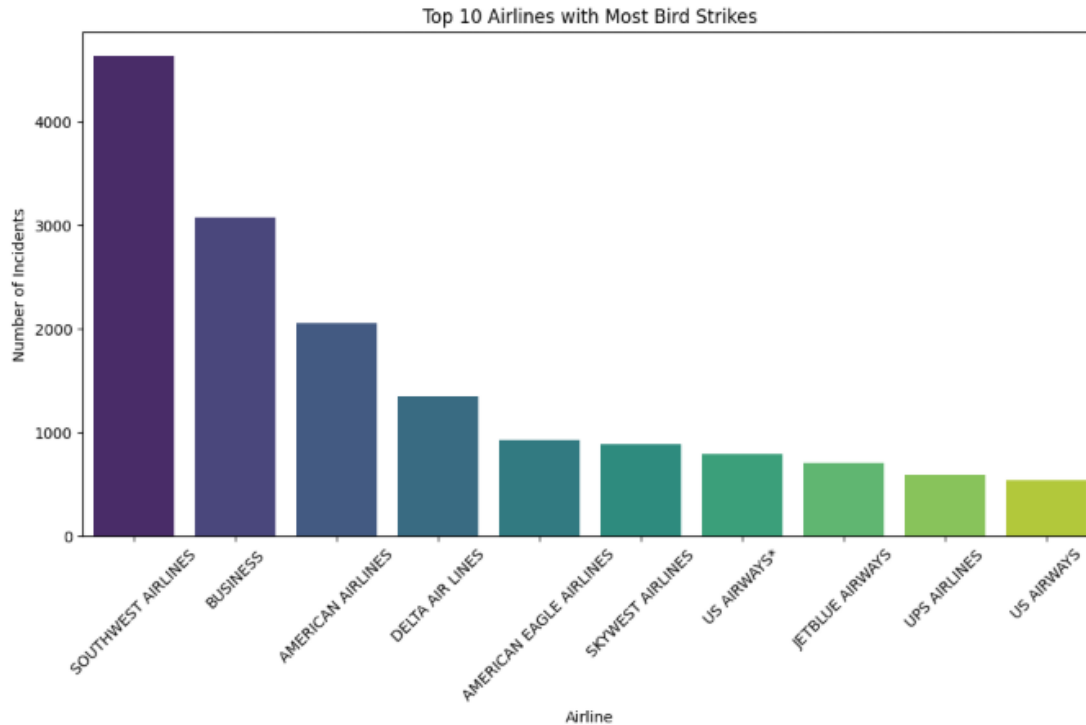


Total Cost of Bird Strikes Over the Years

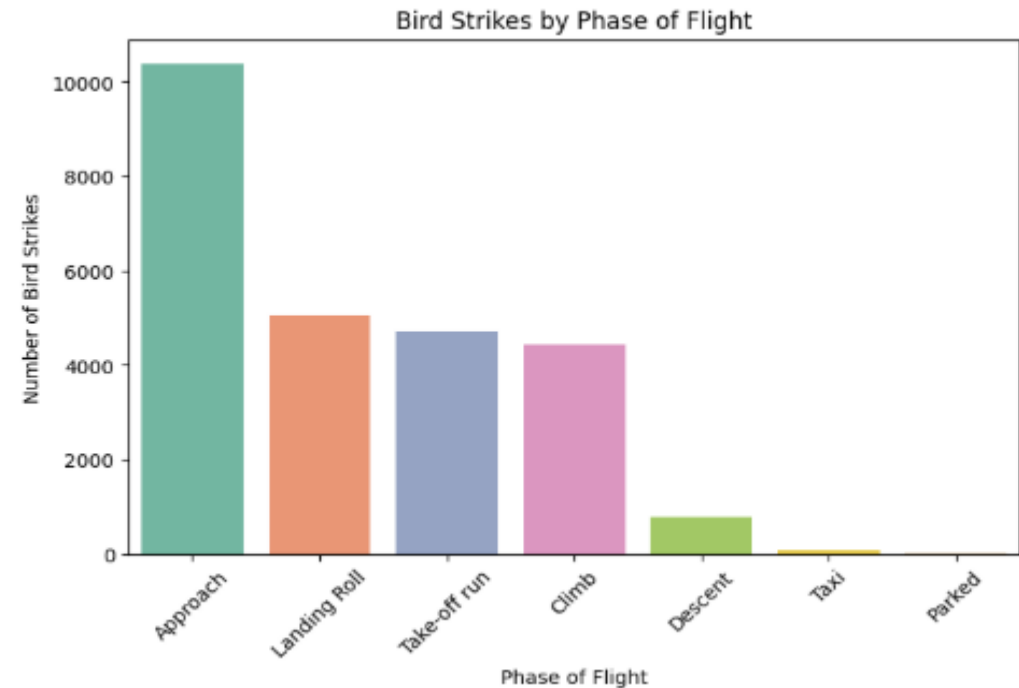


PYTHON DASHBOARD

Top 10 Airlines with most Bird strikes



Bird Strikes by Phase of Flight



DASHBOARD

Effect of Prior Warnings on Bird Strikes

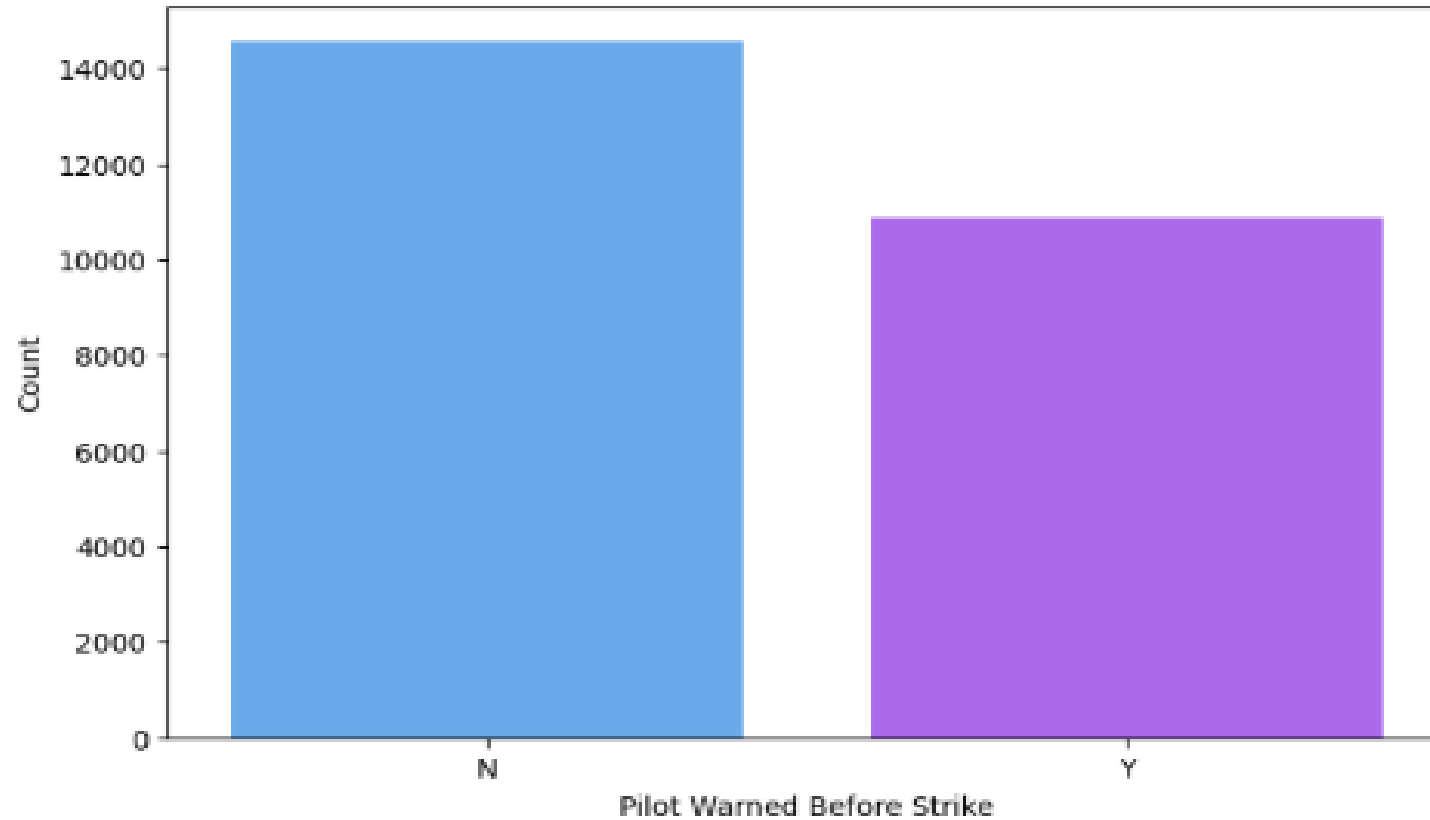
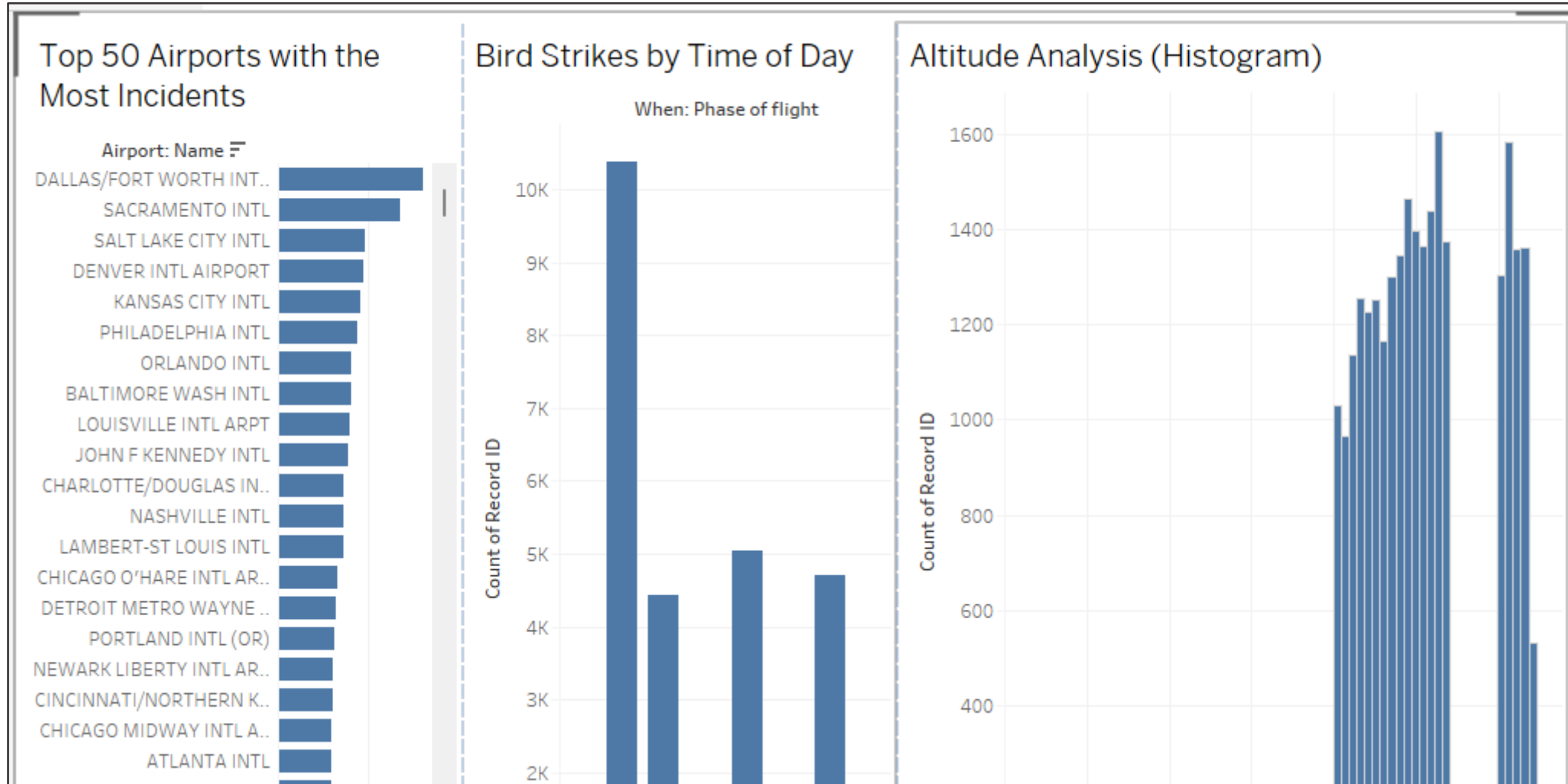


TABLEAU DASHBOARD



THANK YOU



Jyoeti

