UNIFIED MENTORS INTERNSHIP

PROJECT REPORT

TITLE:

PROJECT 1: Data Visualization of Bird Strikes between 2000 –2011
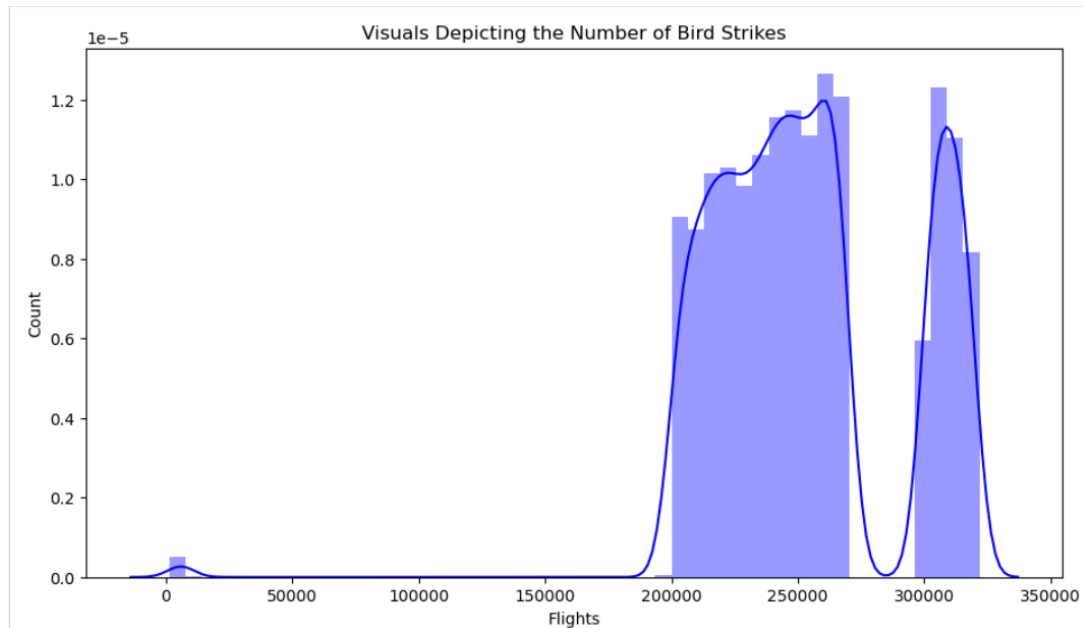
PROJECT 2: Analysing Amazon Sales data

INTERN ID (UNID): UMIP15602

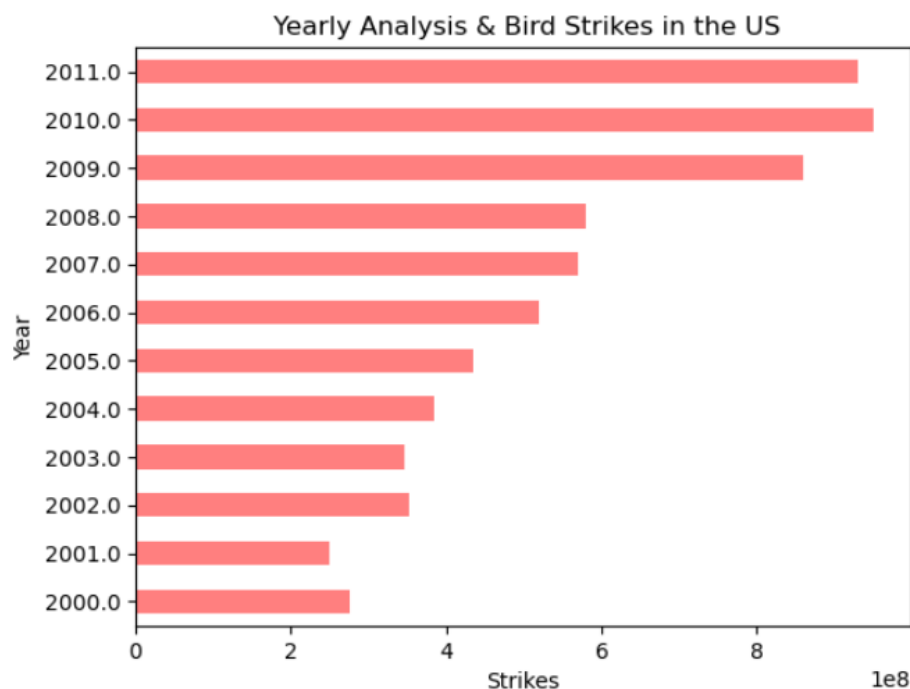**START DATE:** 5th July 2024

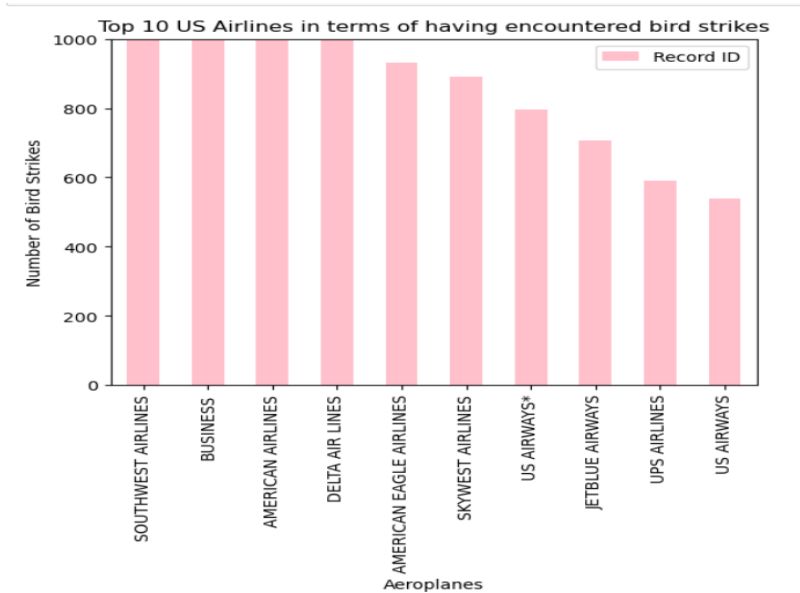# Project 1: Data Visualization of Bird Strikes between 2000 –2011

Case Studies:

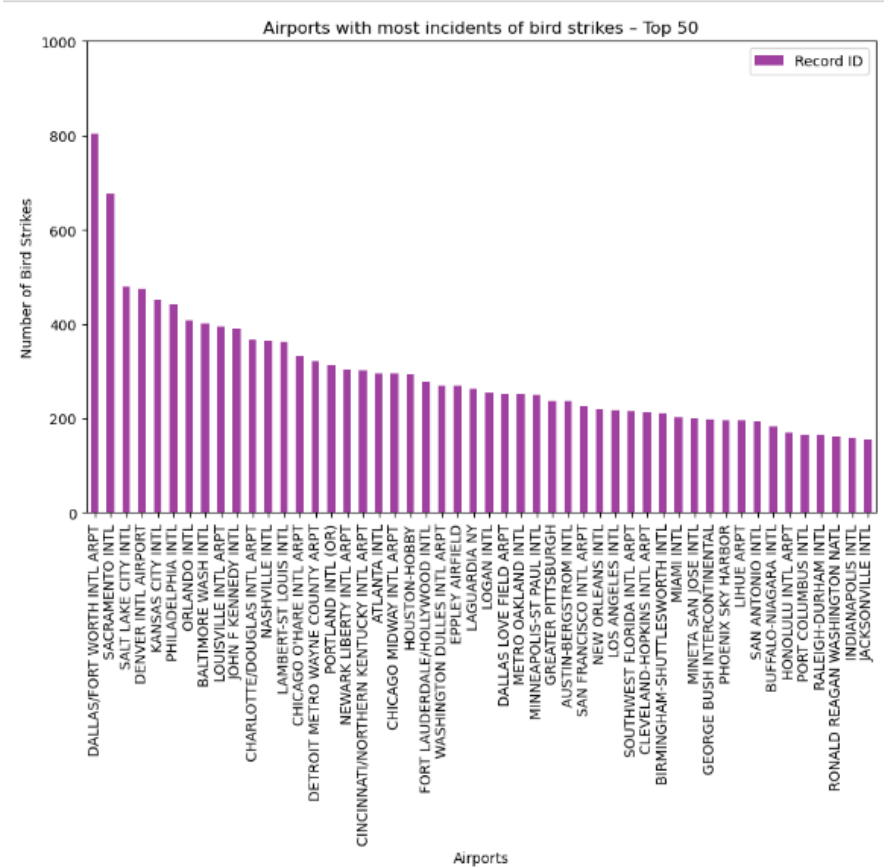- Visuals Depicting the Number of Bird Strikes

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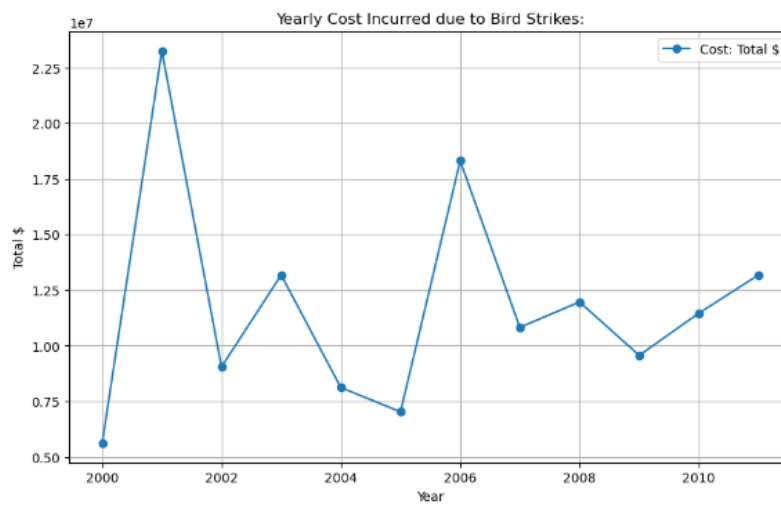- Yearly Analysis & Bird Strikes in the US

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- Top 10 US Airlines in terms of having encountered bird strikes


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- Airports with most incidents of bird strikes – Top 50


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- Yearly Cost Incurred due to Bird Strikes:

Yearly Cost Incurred due to Bird Strikes:

date	Record ID
2010-10-28	28
2009-11-01	27
2010-08-26	26
2009-09-24	26
2010-11-01	26
2009-10-25	25
2010-10-29	25
2010-08-01	25
2009-08-19	24
2008-10-01	24

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- When do most bird strikes occur?

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- Altitude of aeroplanes at the time of strike
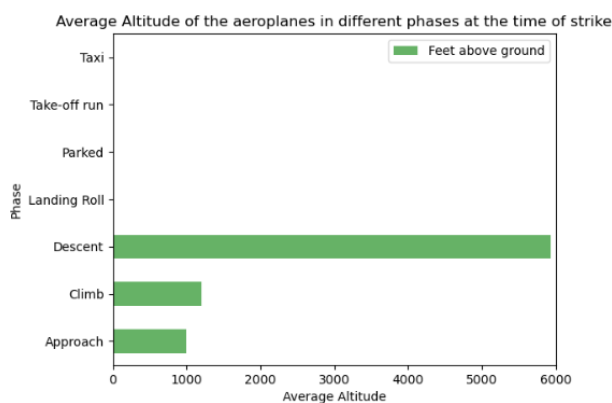
Altitude of aeroplanes at the time of strikes

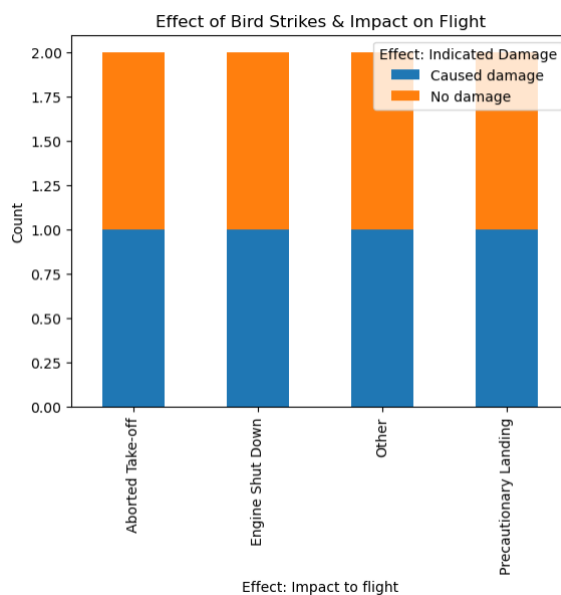< 1000 ft

80.8%

19.2%

>= 1000 ft

-
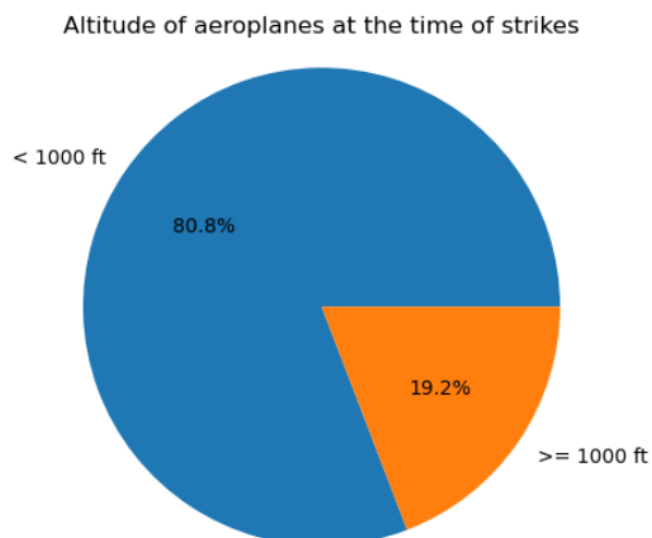
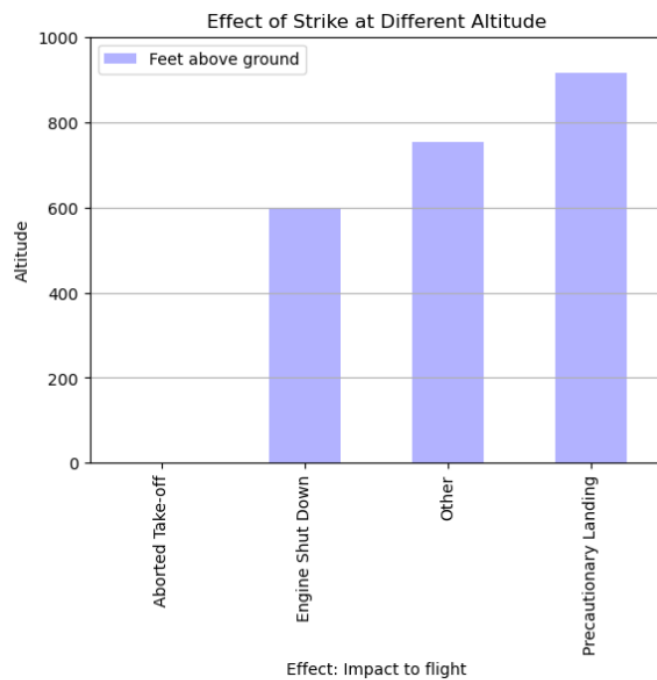- ## Phase of flight at the time of the strike.

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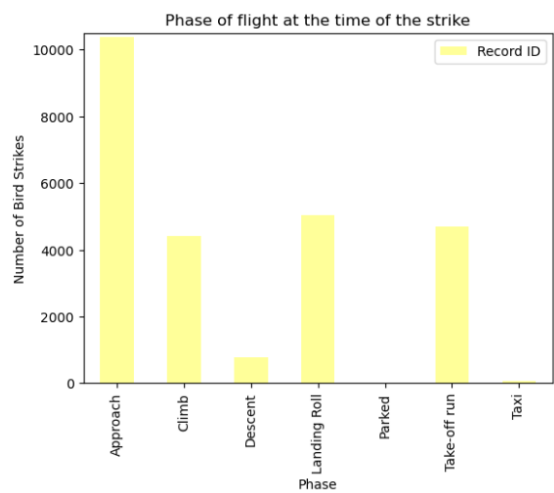
- ## Average Altitude of the aeroplanes in different phases at the time of strike
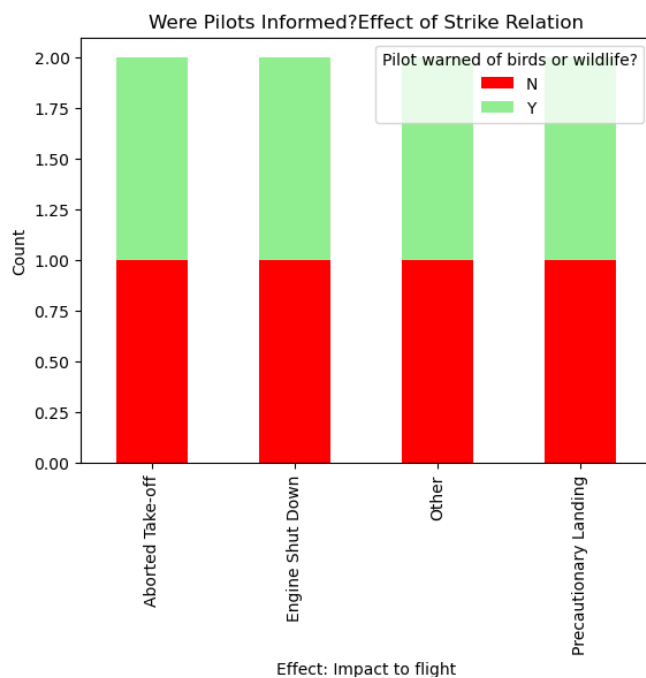

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- ## Effect of Bird Strikes & Impact on Flight

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- ## Effect of Strike at Different Altitude
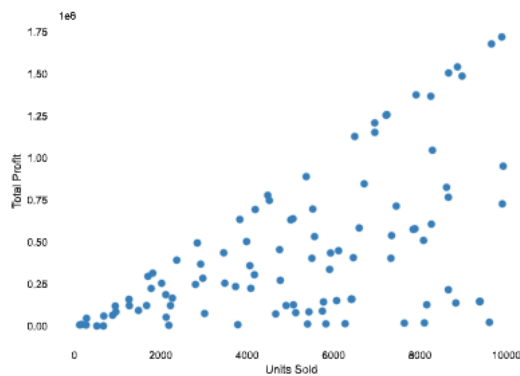

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- ## Were Pilots Informed? & Prior Warning and Effect of Strike Relation
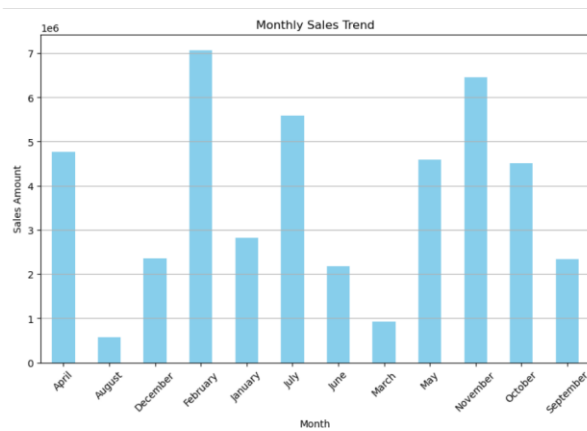

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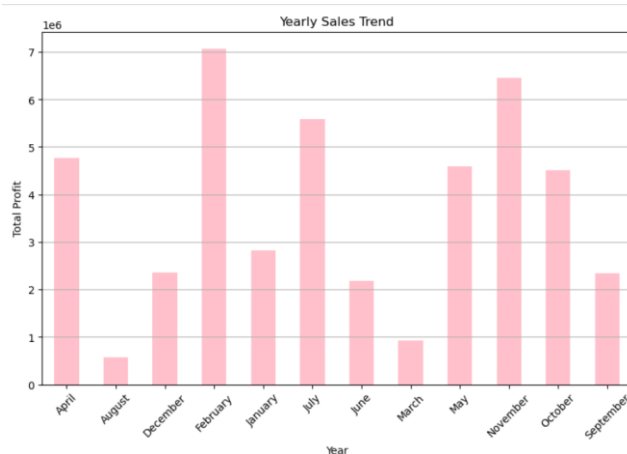# Project 2: Analysing Amazon Sales data
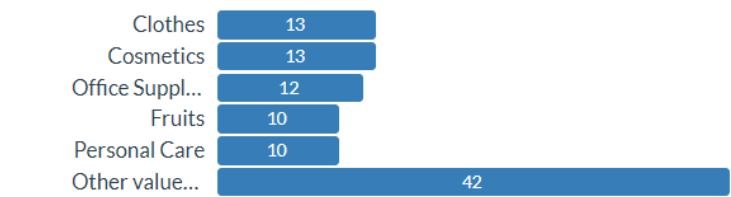
Case Studies:

- Sales-trend ->yearly_month-wise

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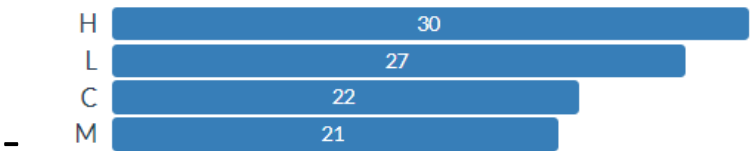- Sales-trend -> month-wise

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- Sales-trend -> year-wise

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- ## Item type

Clothes	13
Cosmetics	13
Office Suppl...	12
Fruits	10
Personal Care	10
Other value...	42

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- ## Sales channel

Offline	50
Online	50

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- ## Order Priority

H	30
L	27
C	22
M	21

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- ## Order date

Minimum	2010-02-02 00:00:00
Maximum	2017-05-22 00:00:00

2011-03-13 12:36:40   2012-10-12 05:30:00   2014-05-13 22:23:20   2015-12-13 15:16:40   2017-07-14 08:10:00

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- ## Units sold

0   2000   4000   6000   8000   10000

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