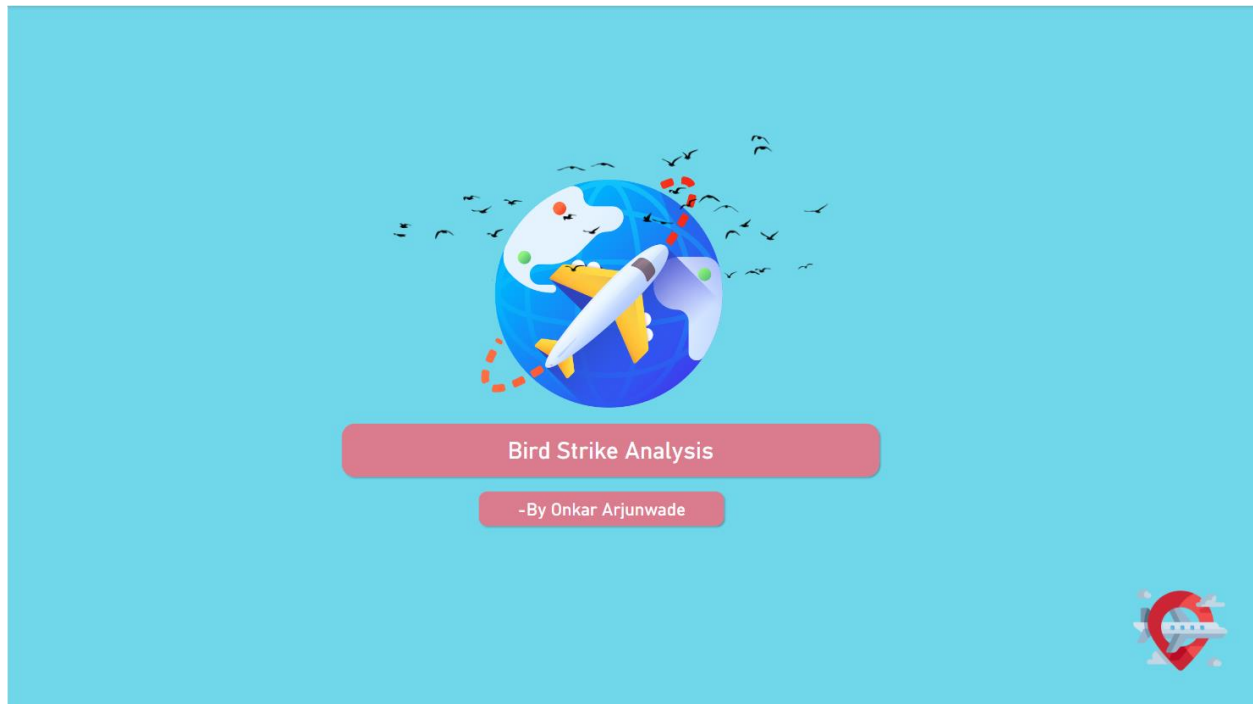


Wireframe Documentation

Bird Strike Analysis

Homepage



Problem statement

Introduction

A bird strike is strictly defined as a collision between a bird and an aircraft which is in flight or on a take-off or landing roll. The term is often expanded to cover other wildlife strikes - with bats or ground animals. Bird Strike is common and can be a significant threat to aircraft safety. For smaller aircraft, significant damage may be caused to the aircraft structure and all aircraft, especially jet-engine ones, are vulnerable to the loss of thrust which can follow the ingestion of birds into engine air intakes. This has resulted in several fatal accidents. Bird strikes may occur during any phase of flight, but are most likely during the take-off, initial climb, approach and landing phases due to the greater numbers of birds in flight at lower levels. To have a closer look the following document visually depicts the data collected on Bird Strikes by FAA between 2000-2011.

Problem Statement

Transport and communication is one of the crucial domain in field of analytics. Environmental impacts and safety are, nowadays, two major concerns of the scientific community with respect to transport scenarios and to the ever-growing urban areas. These issues gain more importance due to the increasing amount of vehicles and people. Seeking for new solutions is reaching a point where available technologies and artificial intelligence, especially MAS, are being recognized as ways to cope and tackle these kinds of problems in a distributed and more appropriate way.

Tools Used

- Excel
- SQL
- Power BI

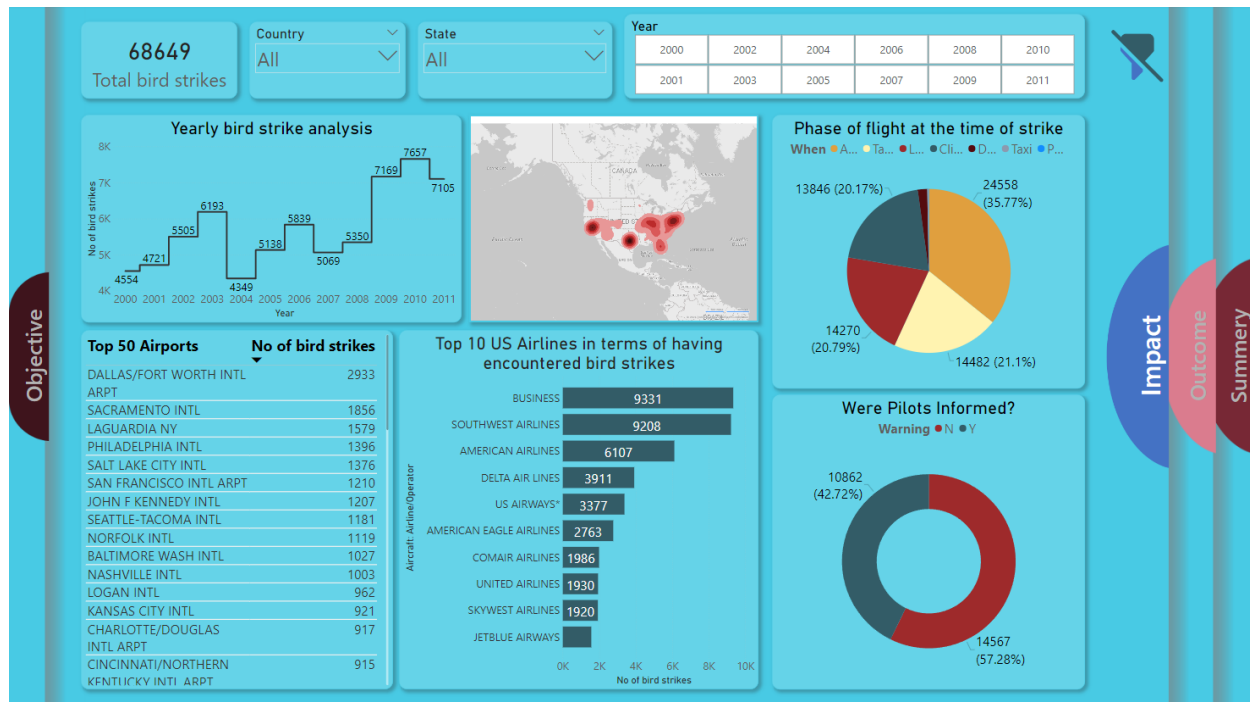
Objective

Impact

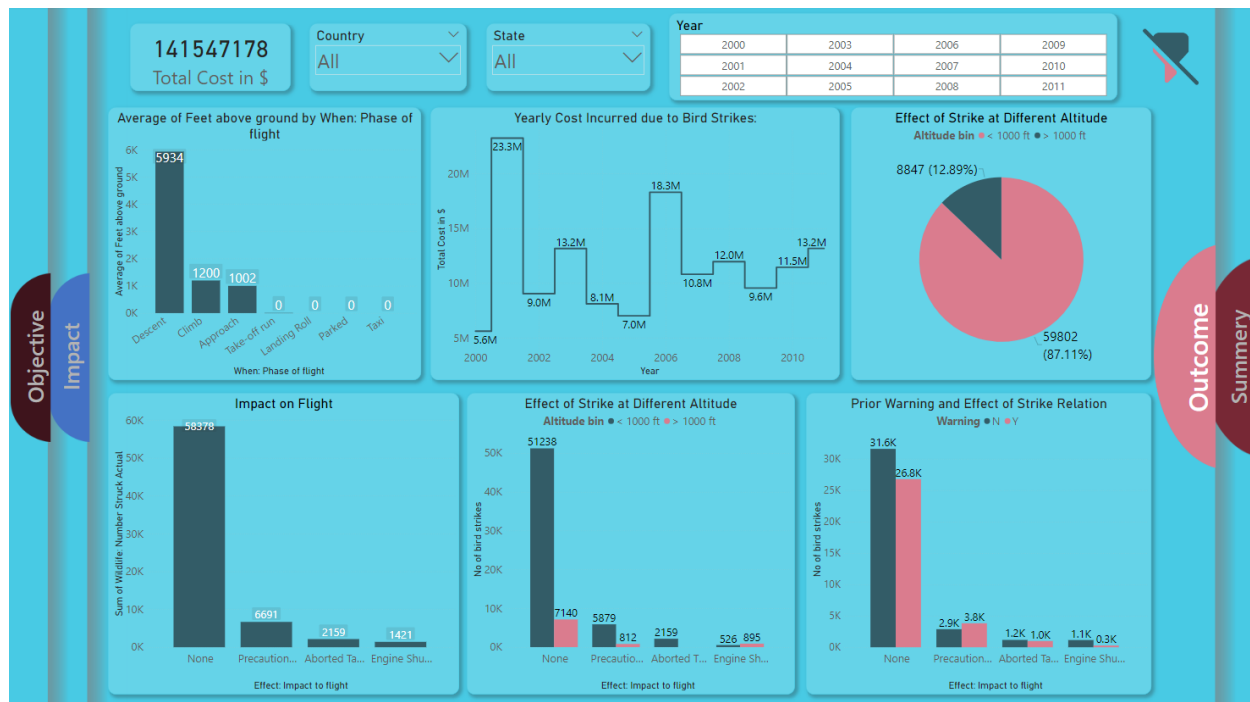
Outcome

Summary

This is my analysis on Impact



This is my analysis on Outcome



This is my summery page

Objective

Impact

Outcome



At 9299, BUSINESS had the highest No of bird strikes and was 495.33% higher than JETBLUE AIRWAYS, which had the lowest No of bird strikes at 1562.



Approach accounted for 35.73% of bird strikes.



No of bird strikes jumped from 5794 to 7073 during its steepest incline between 2006 and 2011.



No of bird strikes started trending up on 2006, rising by 22.07% (1279) in 5 years.



No of bird strikes trended up, resulting in a 56.21% increase between 2000 and 2011.



DALLAS/FORT WORTH INTL ARPT accounted for 7.22% of No of bird strikes.



Average No of bird strikes was higher for < 1000 ft (14,950.50) than > 1000 ft (2949).



At 2933, DALLAS/FORT WORTH INTL ARPT had the highest No of bird strikes and was 625.99% higher than BRADLEY INTL, which had the lowest No of bird strikes at 404.



Summery