



BIRD STRIKES BETWEEN 2000 - 2011

INTERNSHIP DONE UNDER



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INTRODUCTION

Objective: Analyzing incidents of bird strikes on aircraft between 2000 and 2011.

Focus: Understanding the impact of bird strikes on flight safety and operations.

Tool Used: Power BI for data analysis and visualization.

DETAILS OF THE DATASET

Dataset: Bird Strikes Data.xlsx - Bird Strikes

Dataset Details:

Columns:

Record ID: Unique identifier for each incident record.

Aircraft: Type: Type of aircraft involved in the incident.

Airport: Name: Name of the airport where the incident occurred.

Altitude bin: Altitude range during which the bird strike occurred.

Aircraft: Make/Model: Make and model of the aircraft.

Wildlife: Number struck: Number of wildlife struck (reported).

Wildlife: Number Struck Actual: Actual number of wildlife struck.

Effect: Impact to flight: Impact of the bird strike on the flight (e.g., engine shutdown, precautionary landing).

DETAILS OF THE DATASET

FlightDate: Date and time of the flight.

Effect: Indicated Damage: Reported damage caused by the bird strike.

Aircraft: Number of engines?: Number of engines on the aircraft.

Aircraft: Airline/Operator: Airline or operator of the aircraft.

Origin State: State of origin of the flight.

When: Phase of flight: Flight phase during which the bird strike occurred (e.g., climb, landing).

Conditions: Precipitation: Weather conditions at the time of the incident.

Remains of wildlife collected?: Whether remains of wildlife were collected.

Remains of wildlife sent to Smithsonian: Whether wildlife remains were sent to the Smithsonian.

Remarks: Additional remarks and details about the incident.

DETAILS OF THE DATASET

Wildlife: Size: Size of the wildlife involved.

Conditions: Sky: Sky conditions during the incident.

Wildlife: Species: Species of the wildlife involved.

Pilot warned of birds or wildlife?: Whether the pilot was warned about birds or wildlife in the area.

Cost: Total \$: Total cost incurred due to the incident.

Feet above ground: Altitude of the aircraft above the ground.

Number of people injured: Number of people injured during the incident.

Is Aircraft Large?: Indicates if the aircraft is large.

MAIN KEY PERFORMANCE INDICATORS (KPIS)

Key Metrics:

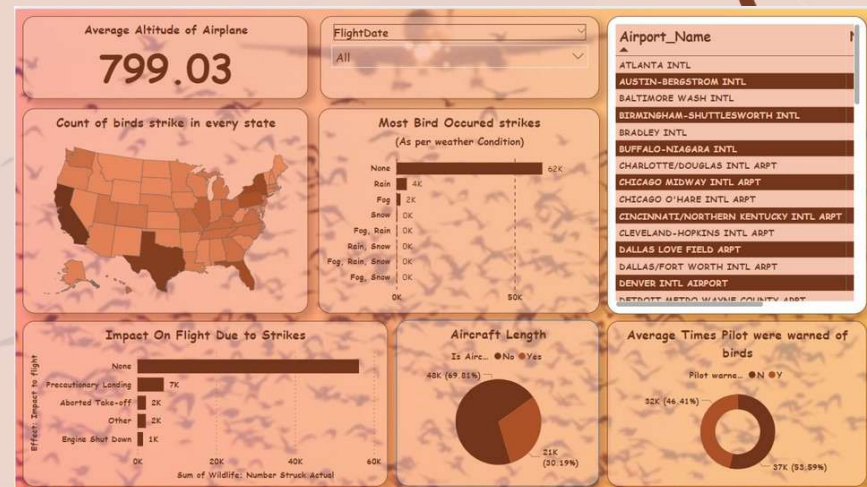
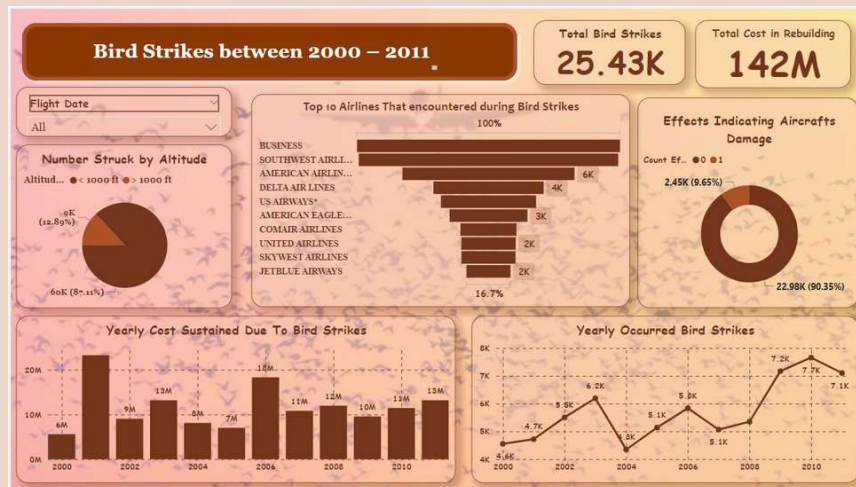
Total number of bird strikes.

Impact of bird strikes on flight operations.

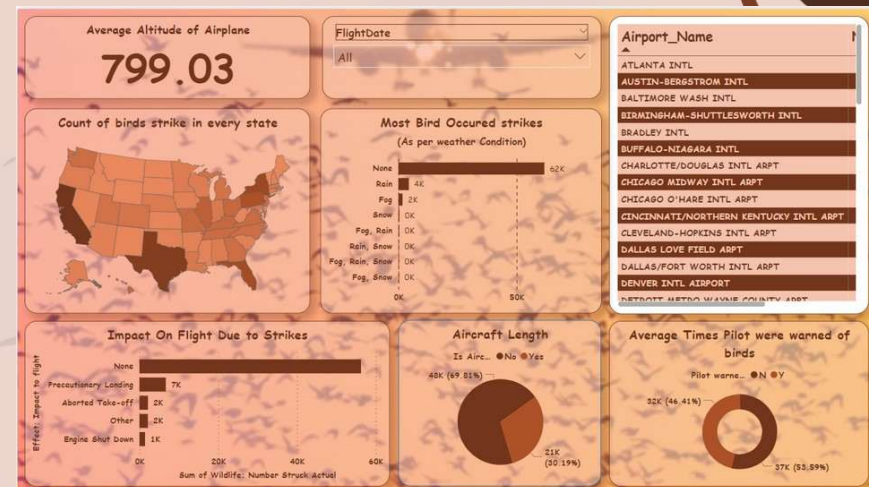
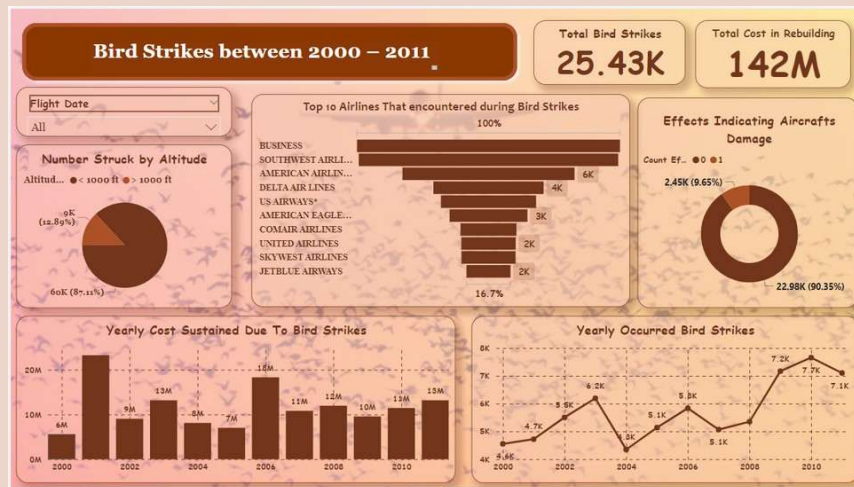
Cost of damages caused by bird strikes.

Distribution of bird strikes by aircraft type and airline.

MOCK-UP DASHBOARD



DASHBOARD DESIGN



The background of the slide features a light peach-colored gradient. Overlaid on this is a faint, stylized map of the United States. Numerous birds are depicted in flight across the scene, with some appearing as simple silhouettes and others as more detailed, light-colored birds. The overall aesthetic is clean and modern.

THANK YOU

