



BIRDS STRIKE VISUALIZATION

Year

All

Origin State

All

TOTAL BIRDS STRIKE

69K

TOTAL COST

\$142M

TOTAL INJURED PEOPLE

21

CASES PER YEAR

6K

Small

48K

Large

21K



Overview



Region Strike



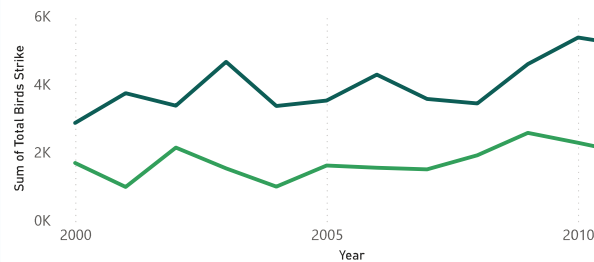
Cost Incurred



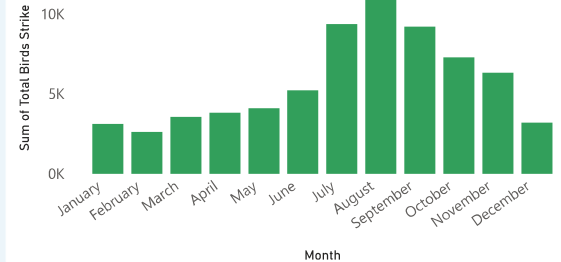
Flight Impact

Yearly Bird Strikes

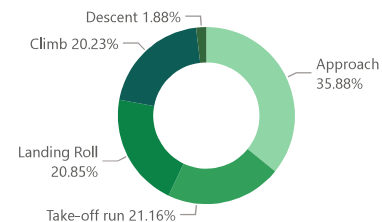
Is Aircraft Large? ● Large ● Small



Monthly Bird Strikes

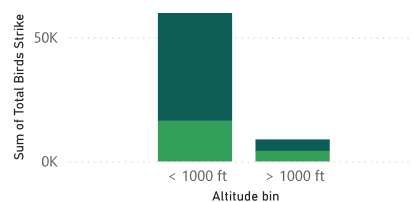


Birds Strike At Different Phase

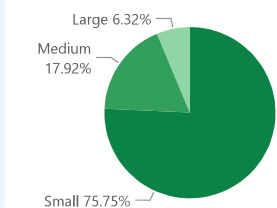


Birds Strike At Different Altitude

Is Aircraft Large? ● Large ● Small



Birds Strike By Wildlife Size





BIRDS STRIKE VISUALIZATION

Overview

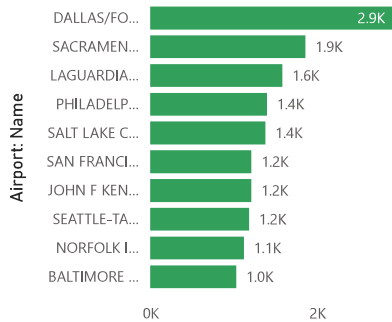
Region Strike

Cost Incurred

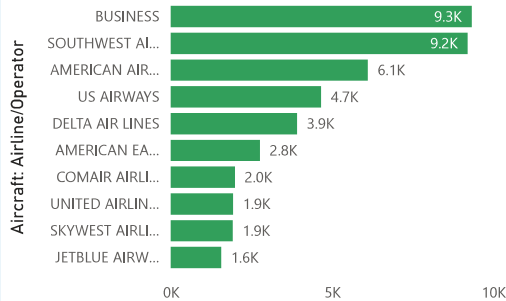
Flight Impact



Top 10 Birds Strike Airport



Top 10 Birds Strike By Airline Operator



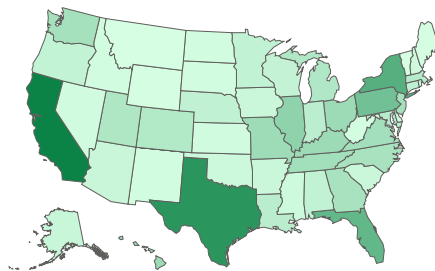
Key Insights



- **California (7K)** and **Texas (6K)** having highest number of bird strikes as compared to **USA**.
- **Canada** having lowest number of Birds strikes as compared to **USA**.
- **Business(9.3K)** and **Southwest Airlines(9.2K)** operator have highest number of bird strikes.
- **DALLAS/FORT WORTH (2.9K)** International Airport has highest number of bird strikes.

Total Birds Strike Cases Across Different Regions

USA



CANADA



Year

All

Origin State

All

When: Phase of flight

All

Is Aircraft Large?

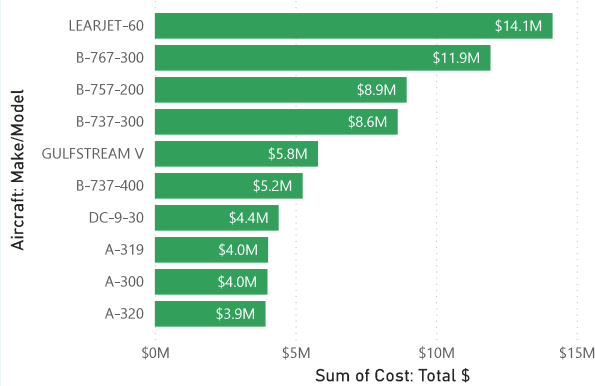
All

BIRDS STRIKE VISUALIZATION

Key Insights

- IN **2011**, the highest cost incurred (**\$18.7**) in small aircraft.
- **Small aircraft** always incur higher costs than large aircraft, but last year the pattern reversed, with large aircraft incurring the highest costs (**\$9.4M**).
- Compared to the prior year, costs rose by **18.18%** in **2011**.
- The **LEARJET-60** aircraft model has the highest cost (**\$14.1M**) when compared to other aircraft models.

Total Cost Incurred By Aircraft Model



Overview

Region Strike

Cost Incurred

Flight Impact

year

All

Aircraft type

All

Total Cost Incurred By Aircraft Type

Is Aircraft Large? ● Large ● Small



Year On Year Cost Incurred On Birds Strike

● CY_Cost ● PY_Cost





BIRDS STRIKE VISUALIZATION

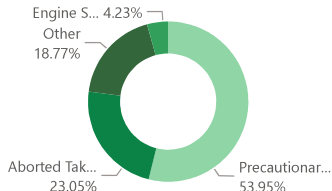
Overview

Region Strike

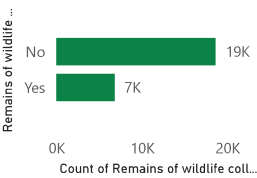
Cost Incurred

Flight Impact

Birds Strikes Impact On Flight



Number of times Wildlife Remains Collected

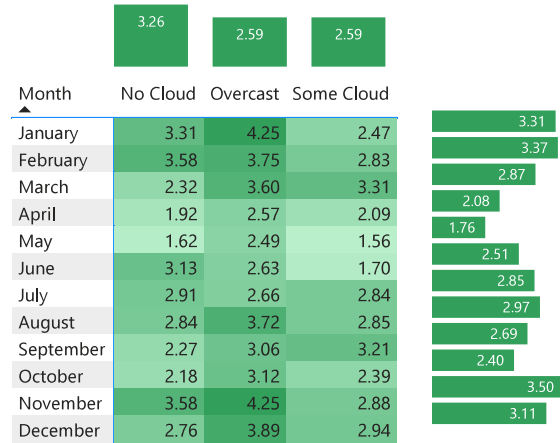


Key Insights

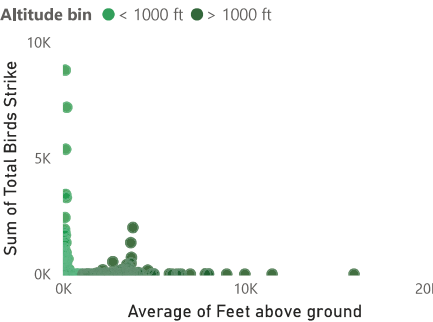


- Due to bird strikes, **Precautionary landings(53%)** have been made most of the time.
- The majority of the time, remains of wildlife have **not** been collected (**18.6K**).
- Most of the time, average altitude of phase of flight has been **descent(5.9k)**.
- The greatest number of bird strikes have happened during **overcast** sky conditions, and throughout the **winter**, there have been more bird strikes

Sky Conditions Impact on Avg. Birds Strikes Each Month



Relation Between number of bird strikes and average altitude for each airport



Average Altitude At Each Phase of Flight

