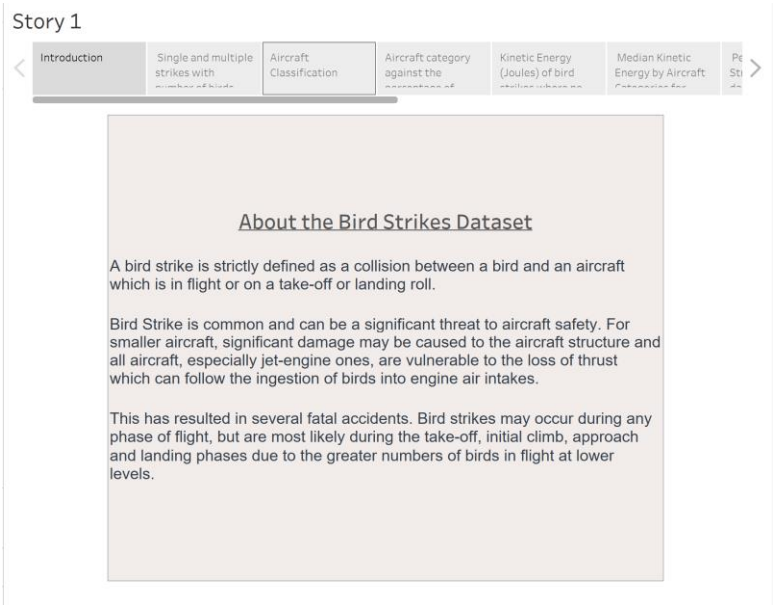
Lab 11

R. Harini

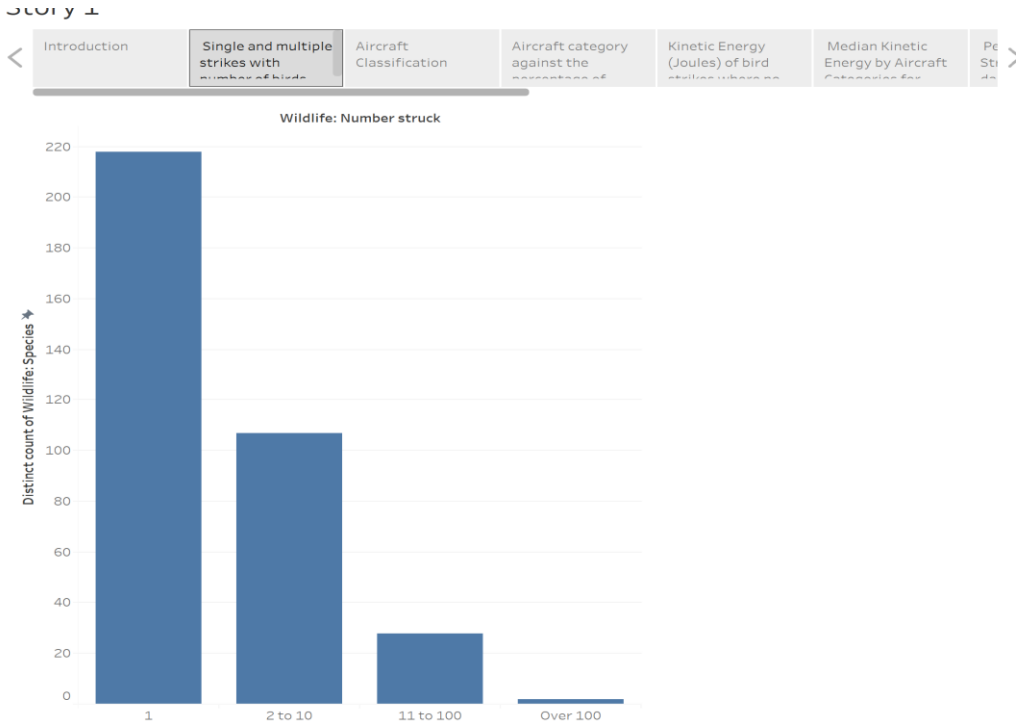
18BCE1010

Bird Strikes Dataset

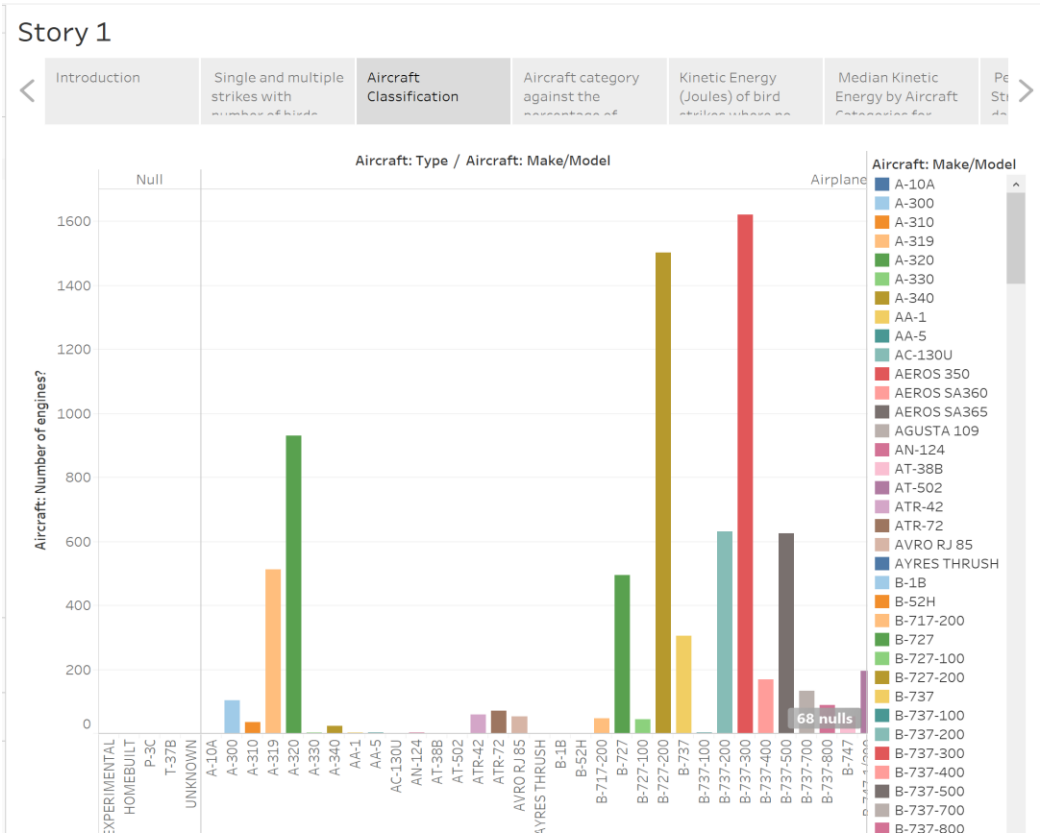
Story



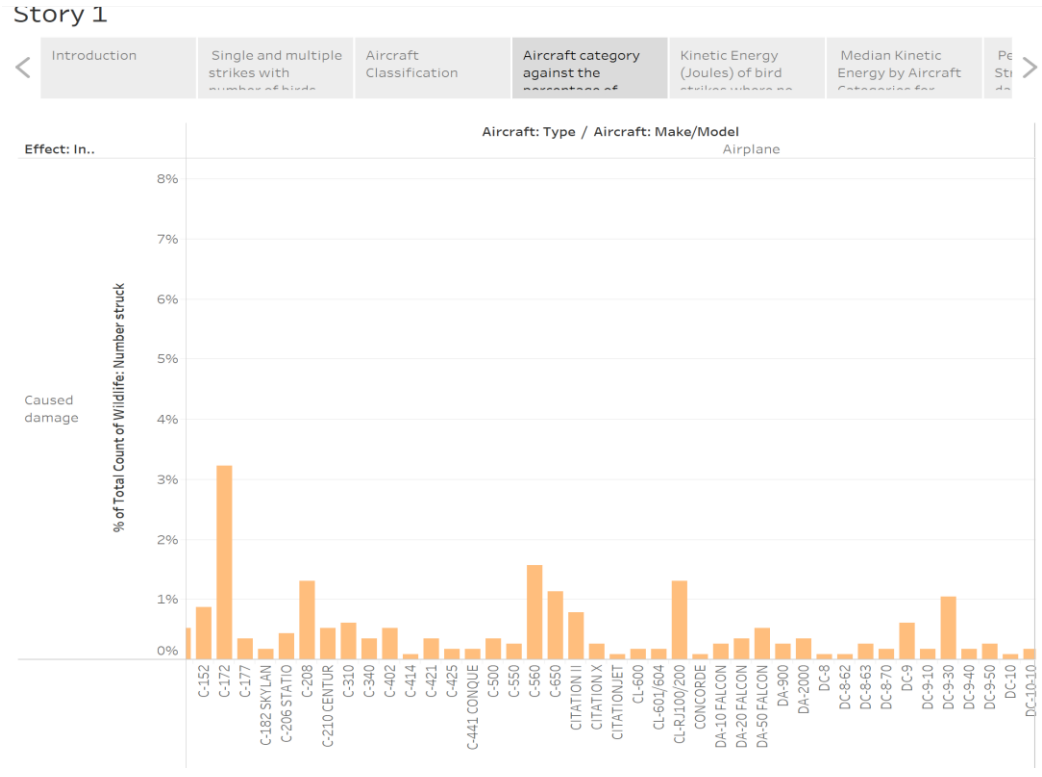
Story point 1



Story Point 2



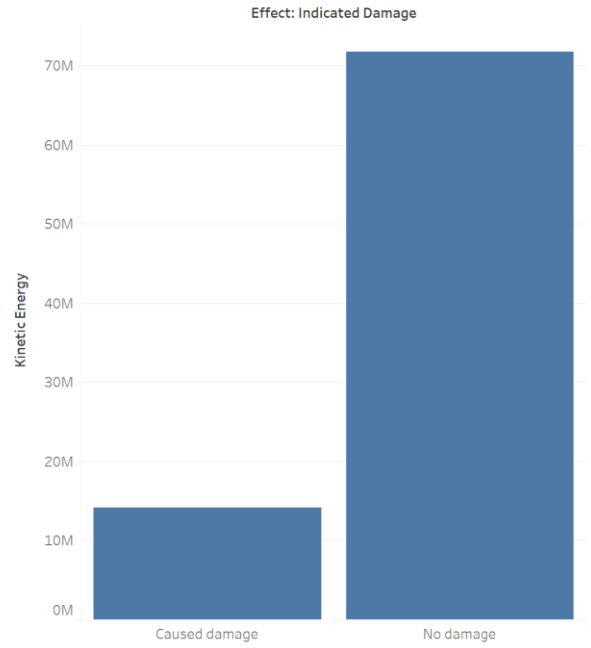
Story Point 3



Story Point 4

Story 1

Introduction | Single and multiple strikes with | Aircraft Classification | Aircraft category against the | Kinetic Energy (Joules) of bird | Median Kinetic Energy by Aircraft | Pe St

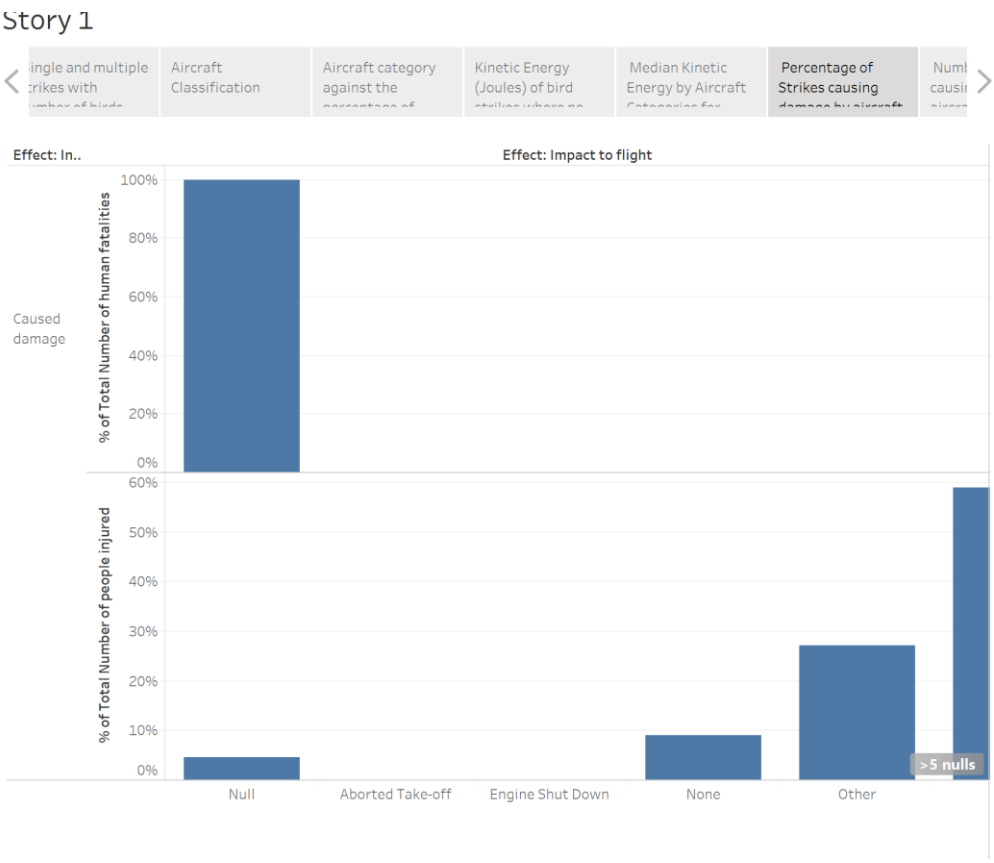


Story Point 5

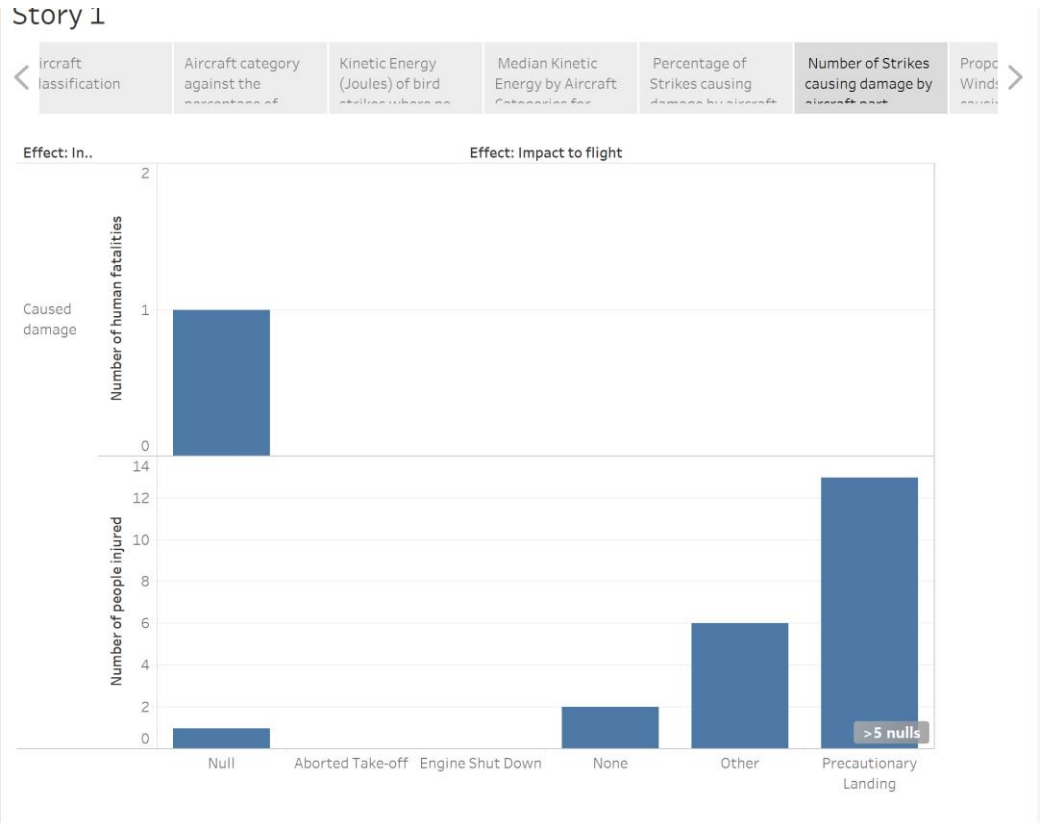
Story 1

Introduction | Single and multiple strikes with | Aircraft Classification | Aircraft category against the | Kinetic Energy (Joules) of bird | Median Kinetic Energy by Aircraft | Pe St

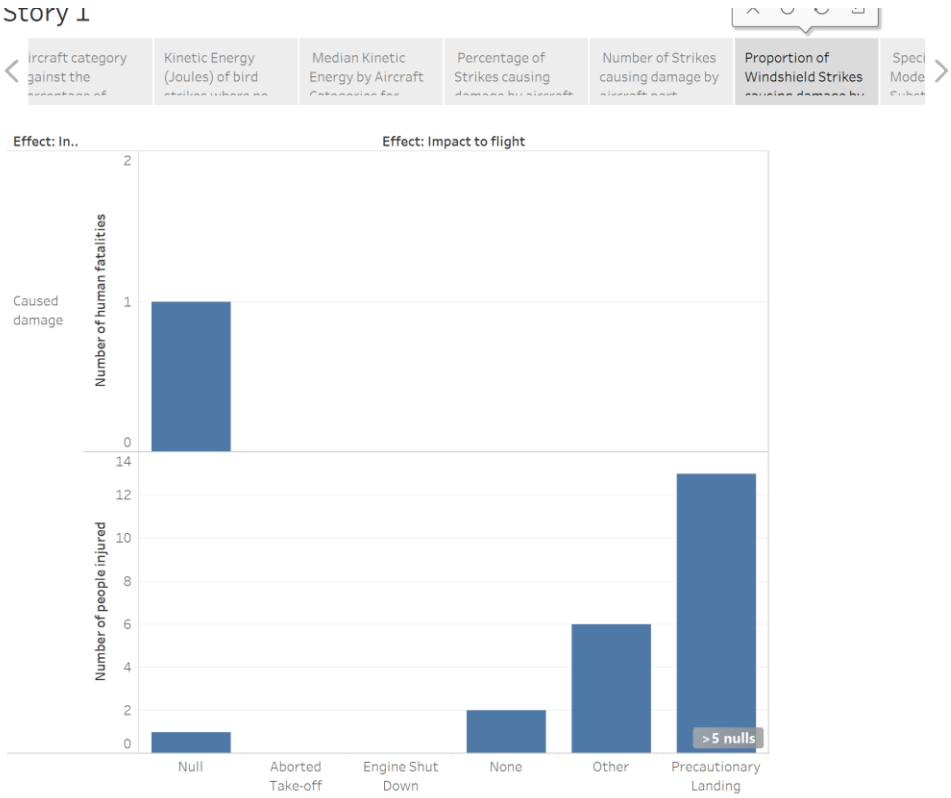
Story Point 6



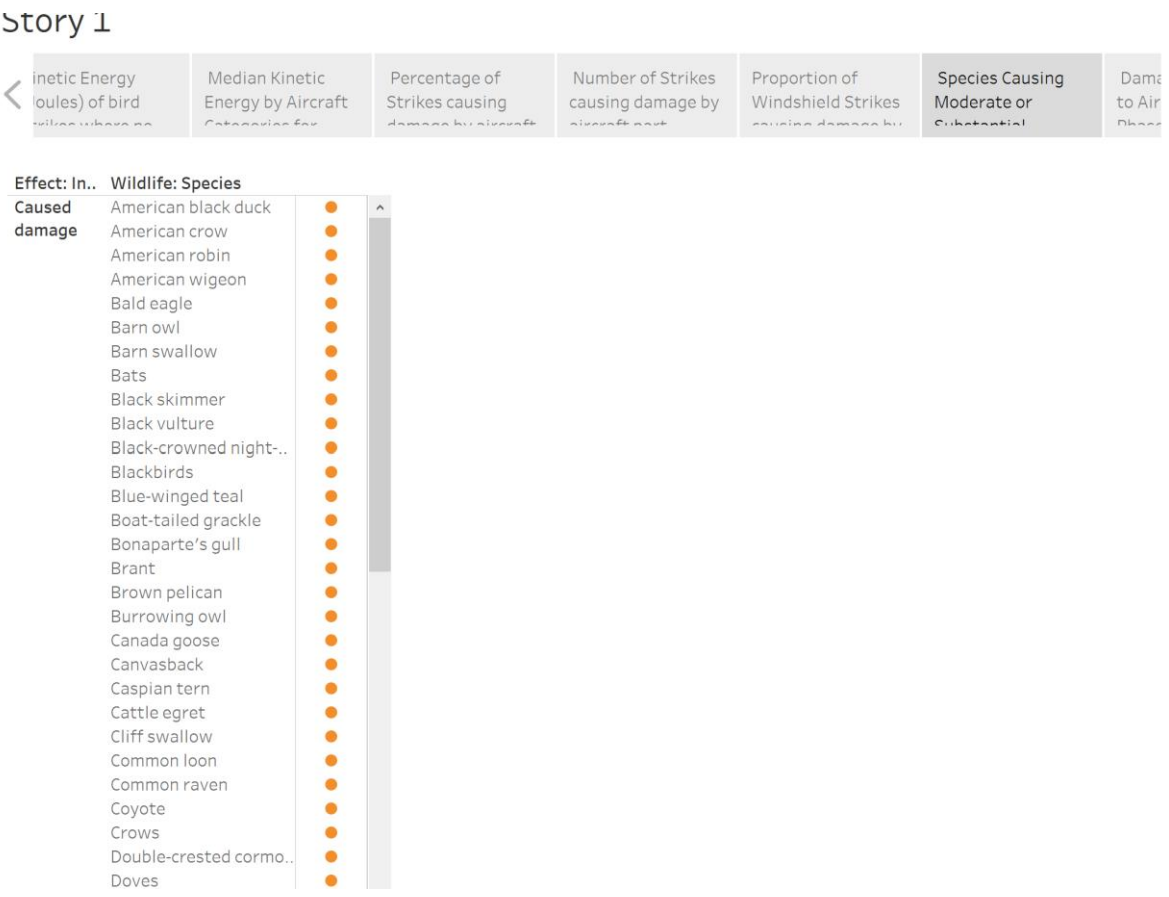
Story Point 7



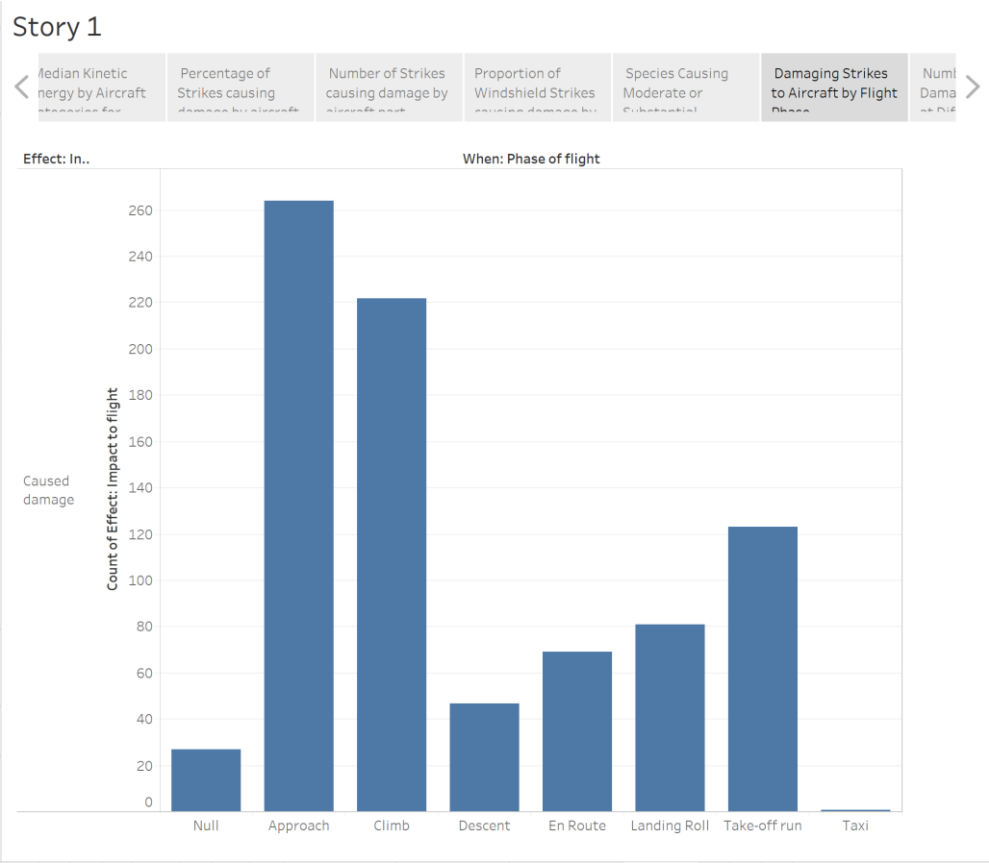
Story Point 8



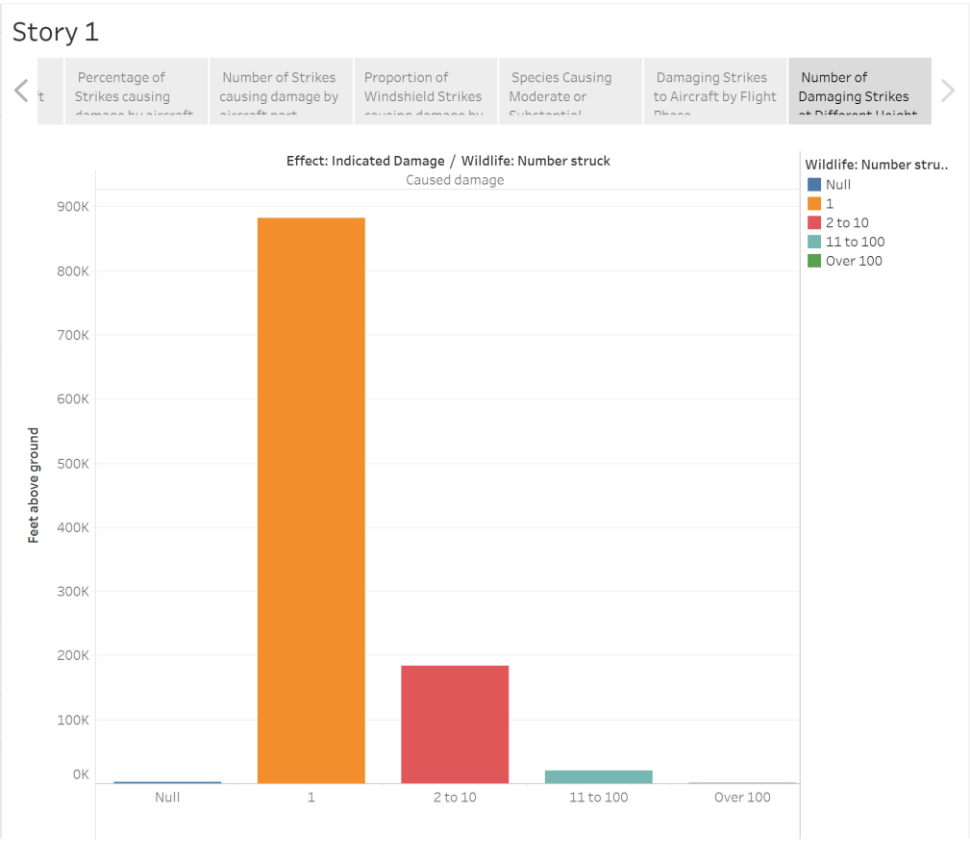
Story Point 9



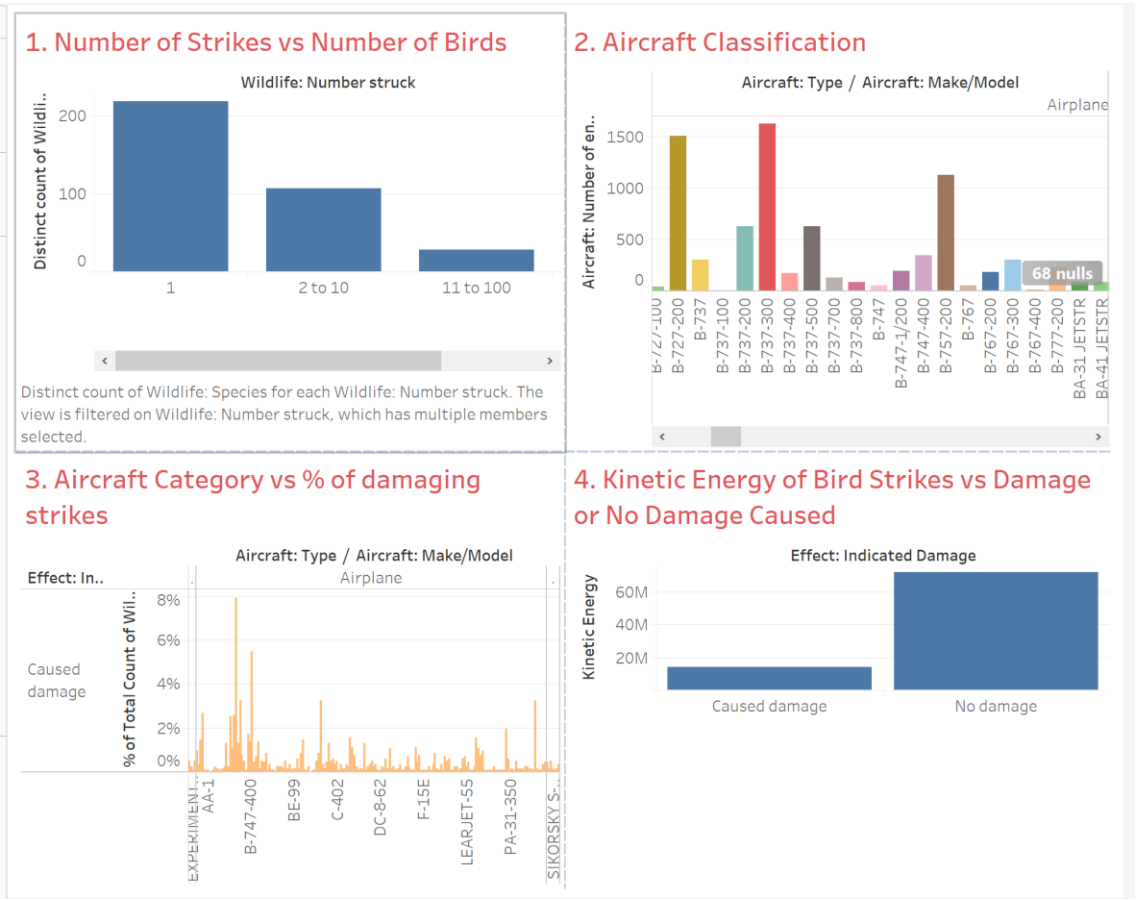
Story Point 10



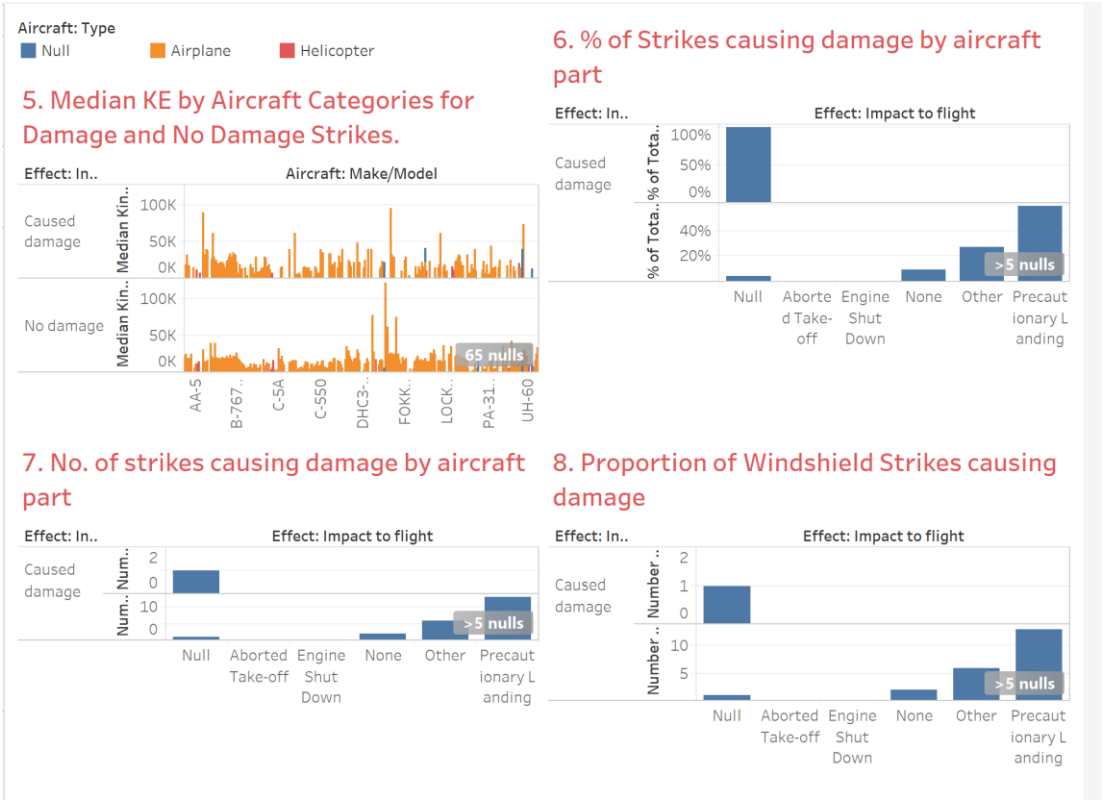
Story Point 11



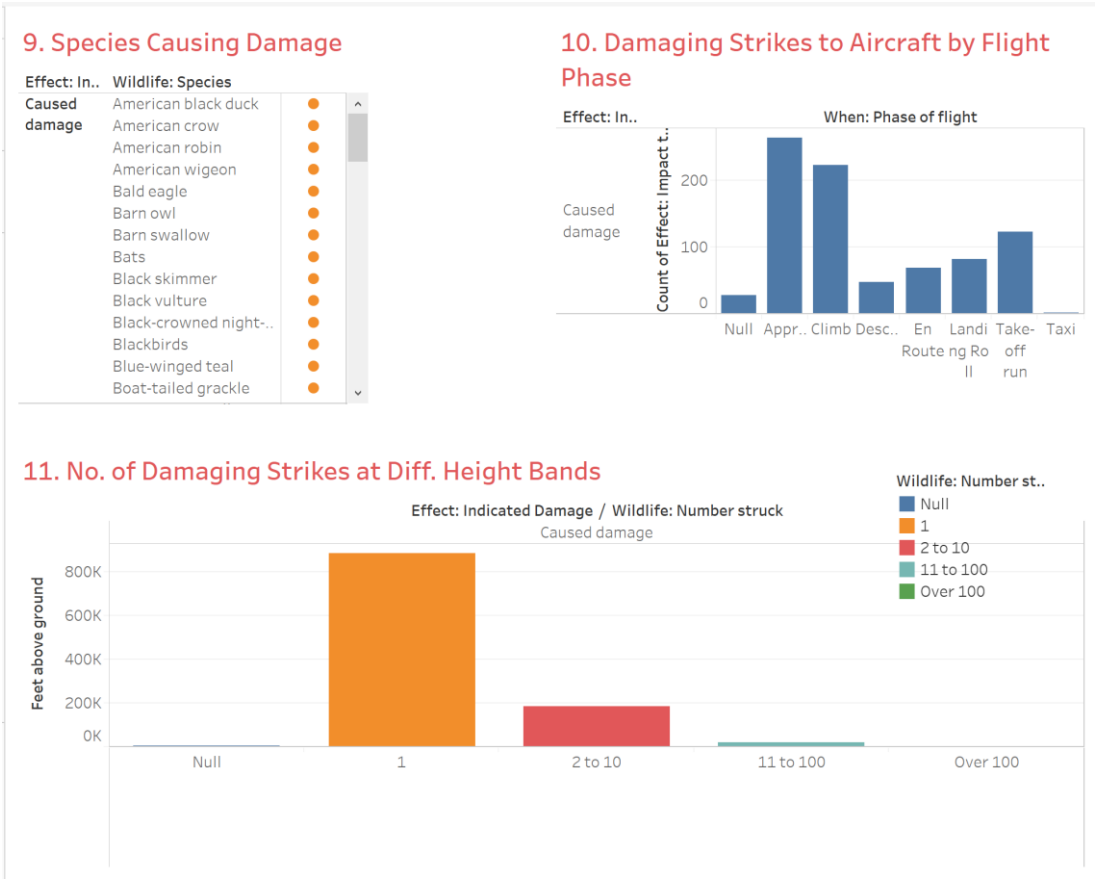
Dashboard 1



Dashboard 2


Aircraft: Type
Null
Airplane
Helicopter
5. Median KE by Aircraft Categories for Damage and No Damage Strikes.
Effect: In..
Aircraft: Make/Model
Caused damage
No damage
Median Kin..
100K
50K
0K
65 nulls
AA-5
B-767..
C-5A
C-550
DHC3-..
FOKK..
LOCK..
PA-31..
UH-60
6. % of Strikes causing damage by aircraft part
Effect: In..
Effect: Impact to flight
Caused damage
% of Tota..
100%
50%
0%
40%
20%
>5 nulls
Null
Aborted Take-off
Engine Shut Down
None
Other
Precautionary Landing
7. No. of strikes causing damage by aircraft part
Effect: In..
Effect: Impact to flight
Caused damage
Num..
2
0
10
0
>5 nulls
Null
Aborted Take-off
Engine Shut Down
None
Other
Precautionary Landing
8. Proportion of Windshield Strikes causing damage
Effect: In..
Effect: Impact to flight
Caused damage
Number ..
2
1
0
10
5
>5 nulls
Null
Aborted Take-off
Engine Shut Down
None
Other
Precautionary Landing

Dashboard 3


9. Species Causing Damage
Effect: In..
Wildlife: Species
Caused damage
American black duck
American crow
American robin
American wigeon
Bald eagle
Barn owl
Barn swallow
Bats
Black skimmer
Black vulture
Black-crowned night-..
Blackbirds
Blue-winged teal
Boat-tailed grackle
10. Damaging Strikes to Aircraft by Flight Phase
Effect: In..
When: Phase of flight
Caused damage
Count of Effect: Impact t..
200
100
0
Null
Appr..
Climb
Desc..
En Route
Landing Roll
Take-off run
Taxi
11. No. of Damaging Strikes at Diff. Height Bands
Effect: Indicated Damage / Wildlife: Number struck
Caused damage
Wildlife: Number st..
Null
1
2 to 10
11 to 100
Over 100
Feet above ground
800K
600K
400K
200K
0K
Null
1
2 to 10
11 to 100
Over 100