

Data Visualization – CSE3020
Lab 12 – Dashboard Creation and Storytelling

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Ques. Analysis of Bird Strike Data:

Damage by Single and Multiple Bird Strikes and by Aircraft Category:

The story points are given as follows:

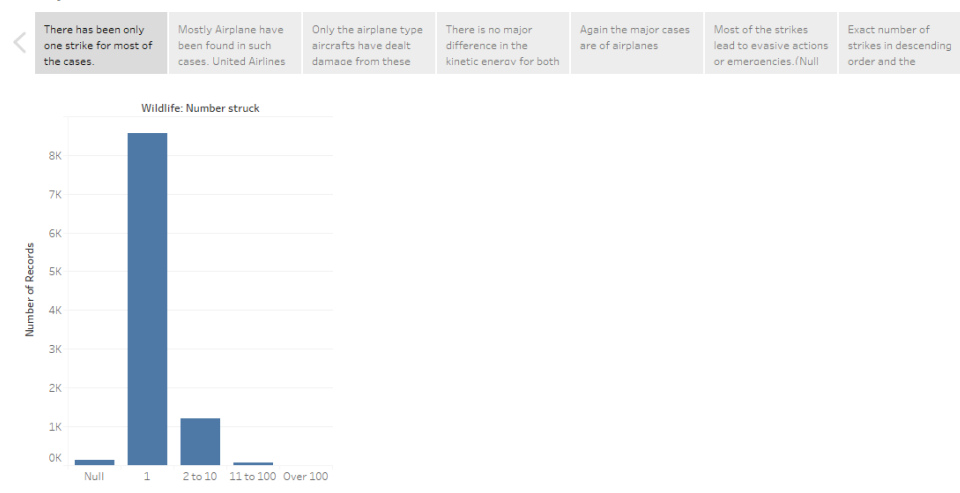
1. Single and multiple strikes with number of birds
2. Aircraft Classification
3. Aircraft category against the percentage of strikes causing damage
4. Kinetic Energy (Joules) of bird strikes where no damage or damage was caused.
5. Median Kinetic Energy by Aircraft Categories for Damage and No Damage Strikes.
6. Percentage of Strikes causing damage by aircraft part
7. Number of Strikes causing damage by aircraft part
8. Proportion of Windshield Strikes causing damage by any one
9. Species Causing Moderate or Substantial Damage
10. Damaging Strikes to Aircraft by Flight Phase
11. Number of Damaging Strikes of Different Height Bands.

Create a Storytelling with respect to above points and show the output.

Screenshot:

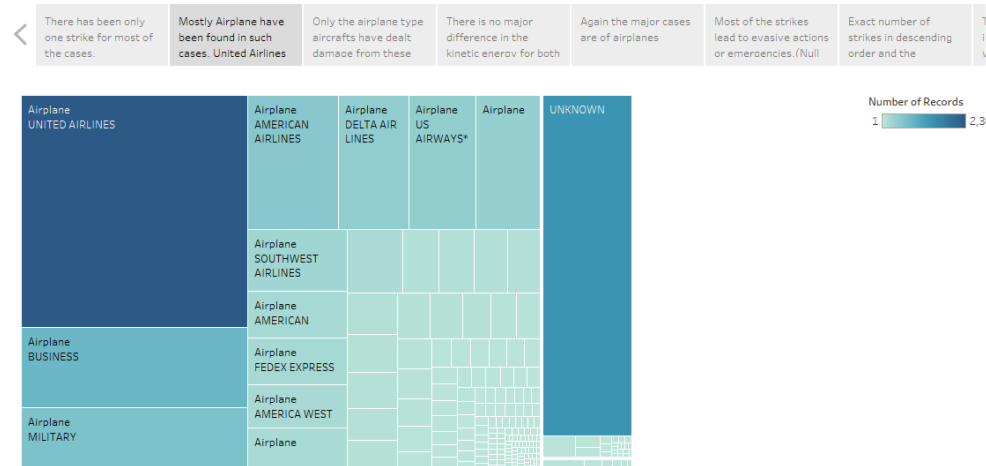
1.

Analysis of Bird Strike Data



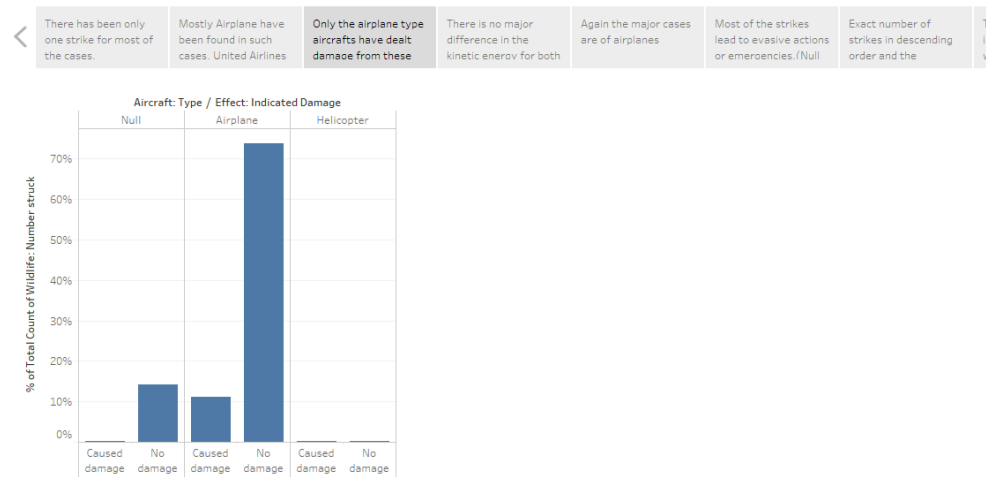
2.

Analysis of Bird Strike Data



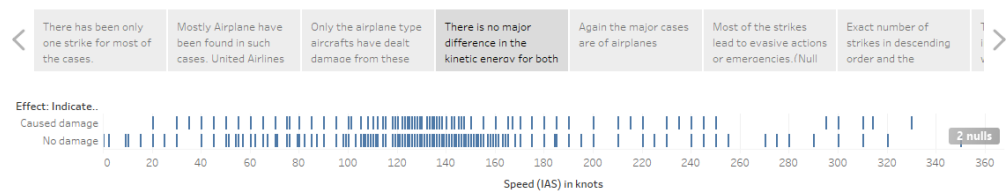
3.

Analysis of Bird Strike Data



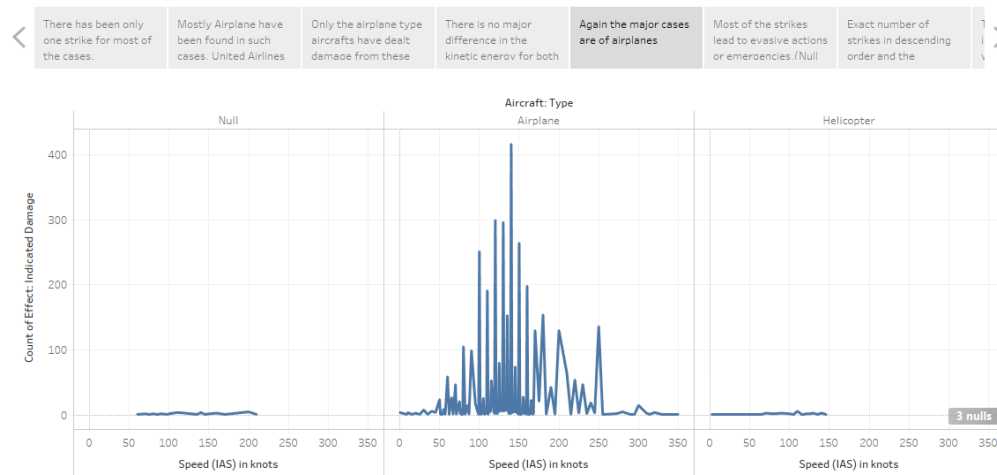
4.

Analysis of Bird Strike Data



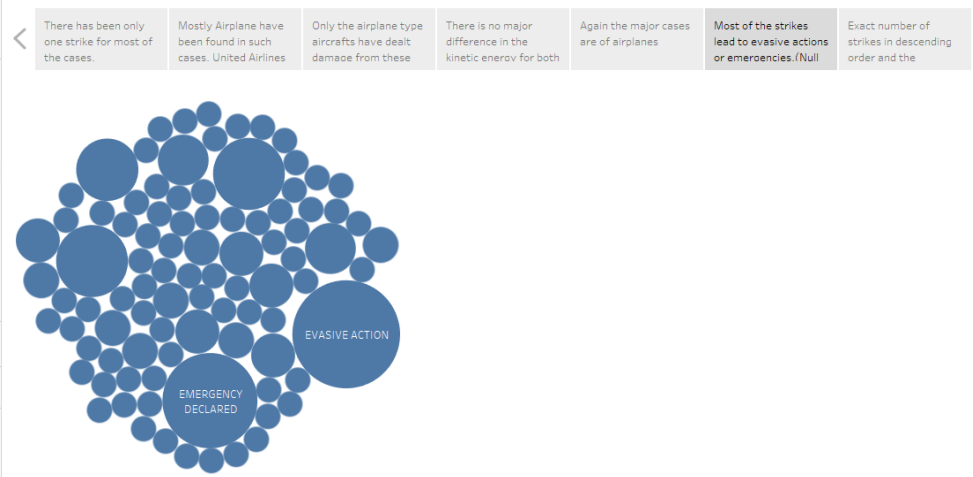
5.

Analysis of Bird Strike Data



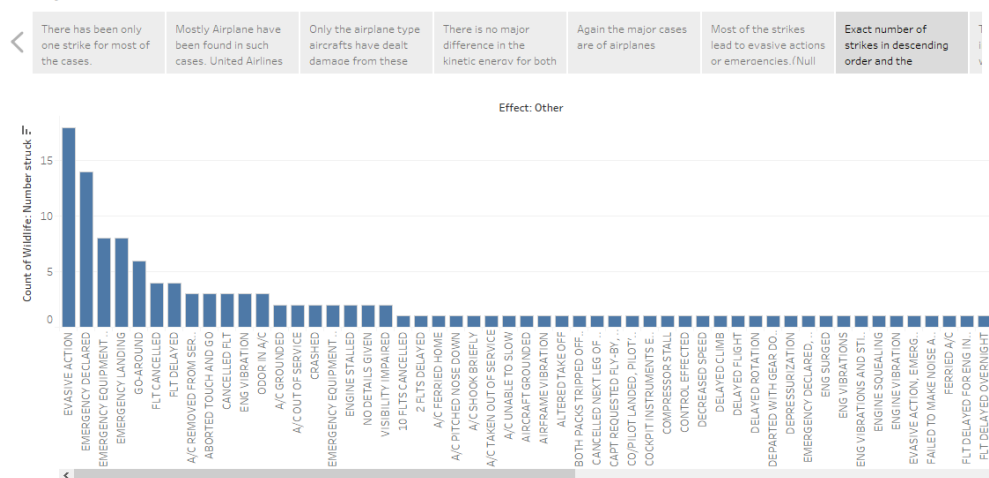
6.

Analysis of Bird Strike Data



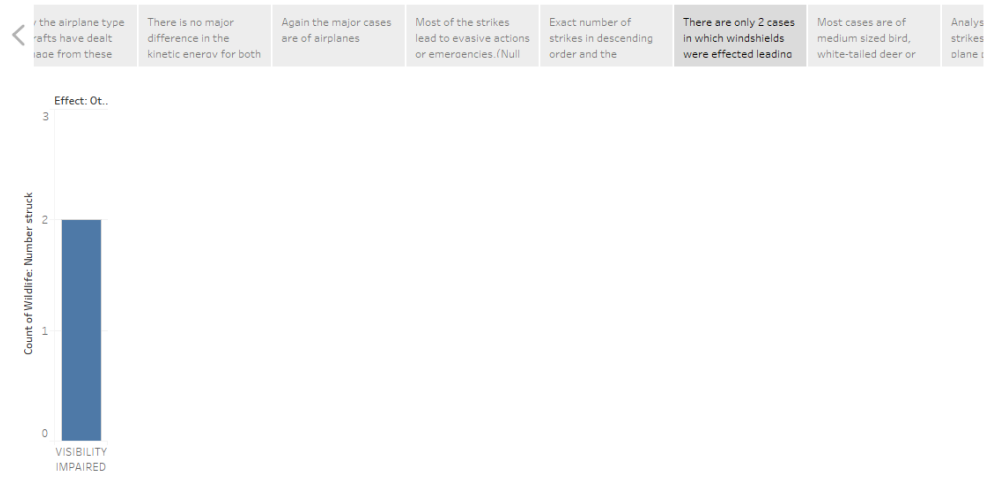
7.

Analysis of Bird Strike Data



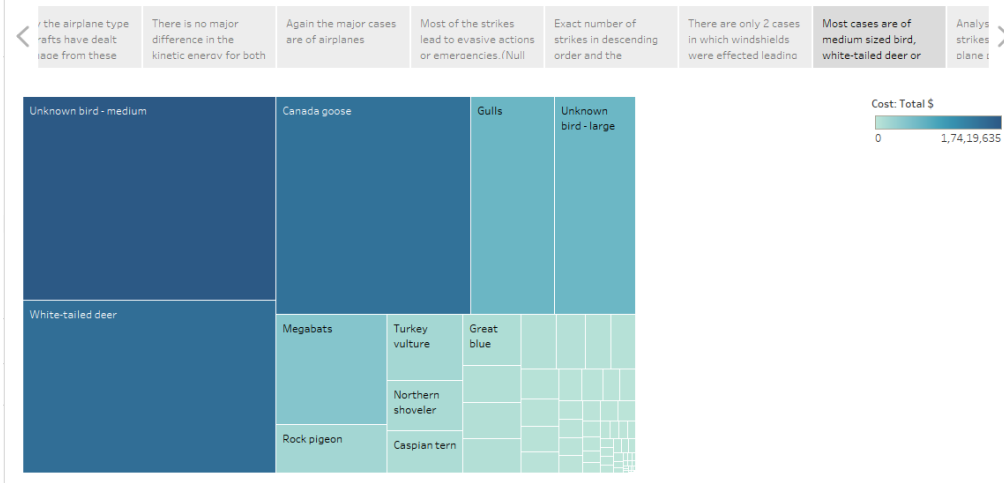
8.

Analysis of Bird Strike Data



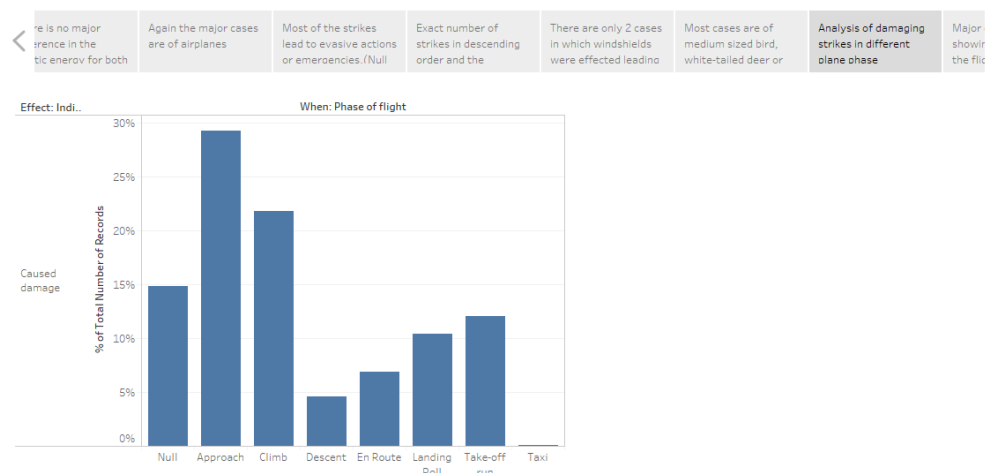
9.

Analysis of Bird Strike Data



10.

Analysis of Bird Strike Data



11.

Analysis of Bird Strike Data

<	Again the major cases are of airplanes	Most of the strikes lead to evasive actions or emergencies.(Null	Exact number of strikes in descending order and the	There are only 2 cases in which windshields were effected leadino	Most cases are of medium sized bird, white-tailed deer or	Analysis of damaging strikes in different plane phase	Major of the cases showing damage to the flihts are of	>
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