



School of Computer Science and Engineering

Lab exercise-11

Code/Course	:	CSE3020 – Data Visualisation	Date	12.04.2022
Exercise	:	Visual Analytics using Story telling	Slot	L15+L16

Pre-requisite: Moderately familiar working with Tableau, also go through the below link to learn more about storytelling.

https://onlinehelp.tableau.com/current/pro/desktop/en-us/story_example.html

Lab Exercise: You need to create storytelling visualization using given (BirdStrike.xlsx) dataset.

Analysis of Bird Strike Data: BirdStrike.xlsx dataset

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.