



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

School of Computing Science and Engineering

Lab exercise-11

Code/Course	:	CSE3020 – Data Visualisation	Date	:	31/03/2020
Lab Experiments		Creating storytelling with dashboard using Tableau	Slot	:	L39+L40

Pre-requisite: Moderately familiar with basic concepts of Tableau, including variables options in Tableau Visualisation.

Data Set: Use BirdStrike.xlsx dataset

Lab – 11 Exercise: You need to create storytelling with respect to the story points as given below using (BirdStrike.xlsx) dataset and Show the results in dashboard.

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 at Different Height Bands.