

A bird strike is strictly defined as a collision between a bird and an aircraft which is in flight or on a take-off or landing roll. The term is often expanded to cover other wildlife strikes - with bats or ground animals. Bird Strike is common and can be a significant threat to aircraft safety. For smaller aircraft, significant damage may be caused to the aircraft structure and all aircraft, especially jet-engine ones, are vulnerable to the loss of thrust which can follow the ingestion of birds into engine air intakes. This has resulted in several fatal accidents. Bird strikes may occur during any phase of flight, but are most likely during the take-off, initial climb, approach and landing phases due to the greater numbers of birds in flight at lower levels. To have a closer look the following document visually depicts the data collected on Bird Strikes by FAA between 2000-2011.

Find out answers to the following questions

1. Find out yearly trend of bird strikes?
2. Create a Geo map with US States and number of bird strike incidents per state. Use color option to highlight states with high number of bird strikes
3. Find out top 10 US Airlines which have encountered bird strike?
4. Find out yearly costs incurred due to bird strike?
5. Find out phase of flights at the time of strike? Probably create a Pie chart to represent the % values
6. Create a Dashboard and summarize your findings (You may choose to add extra graphs if you wish)