



Data Visualization of Bird Strikes between 2000-2011

INTRODUCTION

- Transport and communication are in the crucial domain in the field of analytics. Environmental impacts and safety are, nowadays, two major concerns of the scientific community with respect to transport scenarios and to the ever-growing urban areas .
- These issues gain more importance due to the increasing amount of vehicles and people. Seeking new solutions is reaching a point where available technologies and artificial intelligence, especially MAS are being recognized as ways to cope with and tackle these kinds of problems in a distributed and more appropriate way.

Details of the Data

- ❖ 42.72% incidents where pilot was warned about the birds• Prior warning to the pilot reduces the risk of damage to the aircraft•
- ❖ 52.78% of incidents have happened due to some small unknown bird.•
- ❖ 72.9% incidents have happened when there is 1 bird/wildlife is struck in the airplane and caused damage.
- ❖ • 90.31% incidents caused no damage while 9.69% incidents caused damage•
- ❖ 80.84% of bird strike incidents have happened when the altitude of airplane was <1000 ft and 19.16% have happened when altitude was >1000 ft.

Main KPIs

- 80.84% of bird strike incidents have happened when the altitude of airplane was <1000 ft and 19.16% have happened when altitude was >1000 ft.
- 72.9% incidents have happened when there is 1 bird/wildlife is struck in the airplane and caused damage. • 90.31% incidents caused no damage while 9.69% incidents caused damage

Mock-up Dashboard

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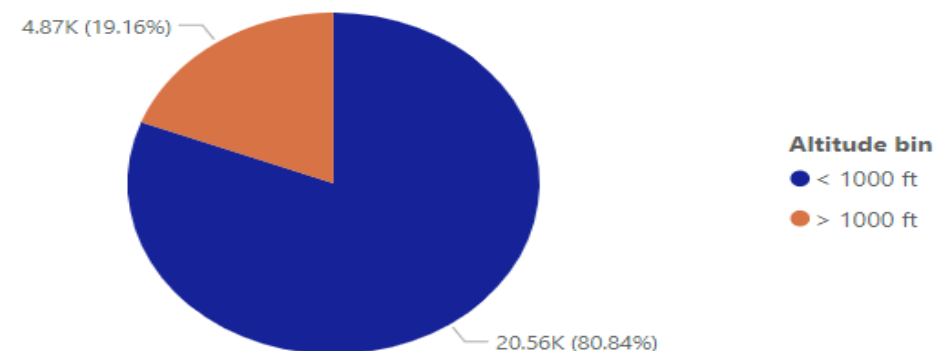
Number of Bird Strikes

24.75K

Total Cost in Repairments

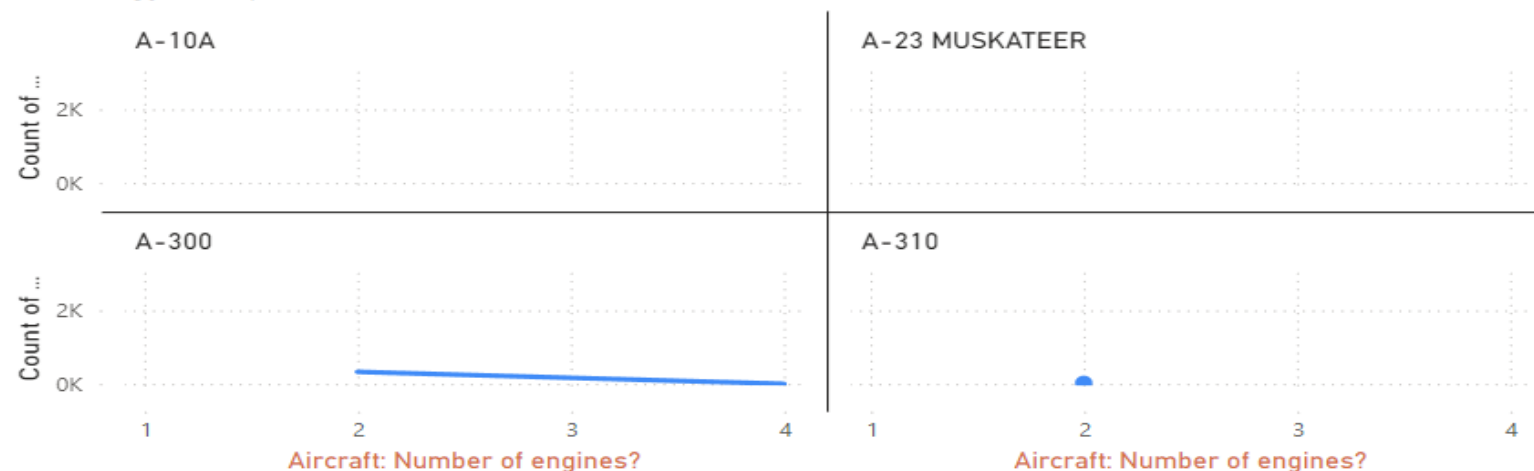
136M

Count of Aircraft: Airline/Operator by Altitude bin

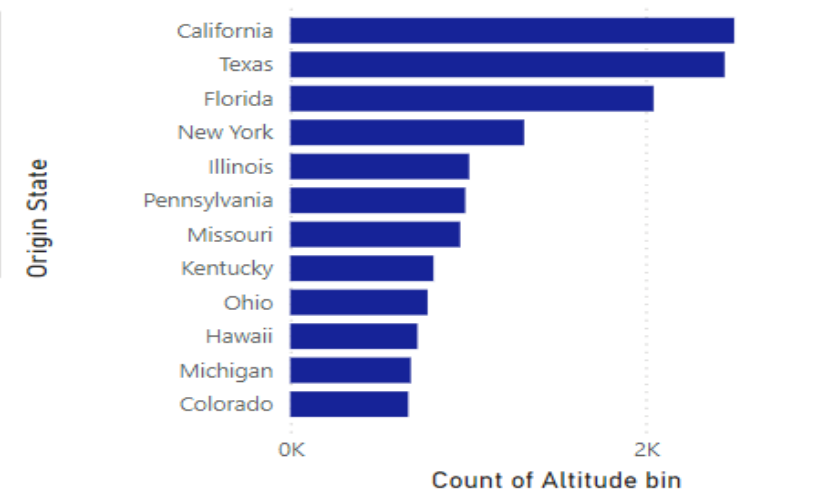


Count of Aircraft: Airline/Operator by Aircraft: Number of engines?, Aircraft: Type and Aircraft: Make/Model

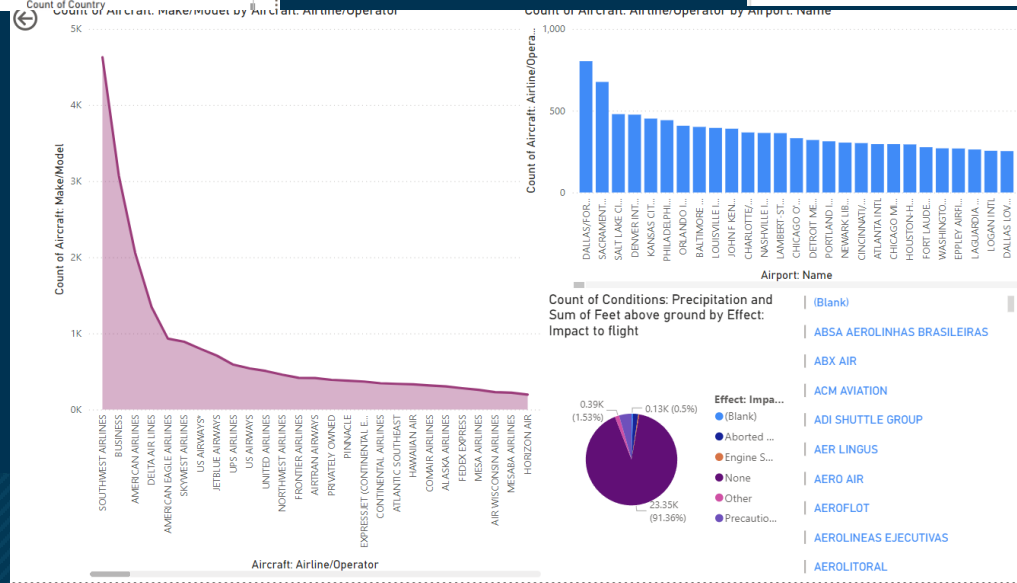
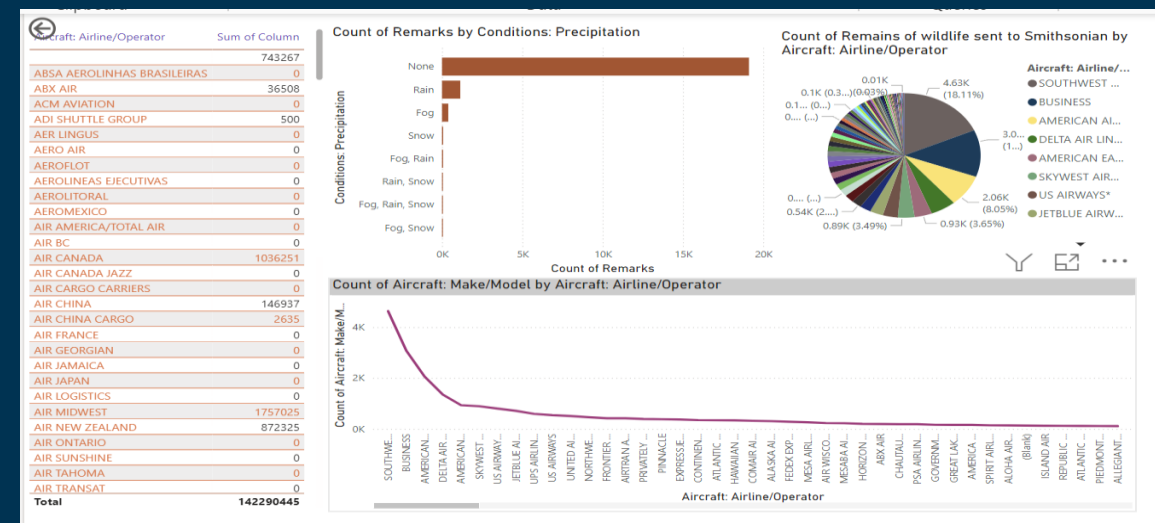
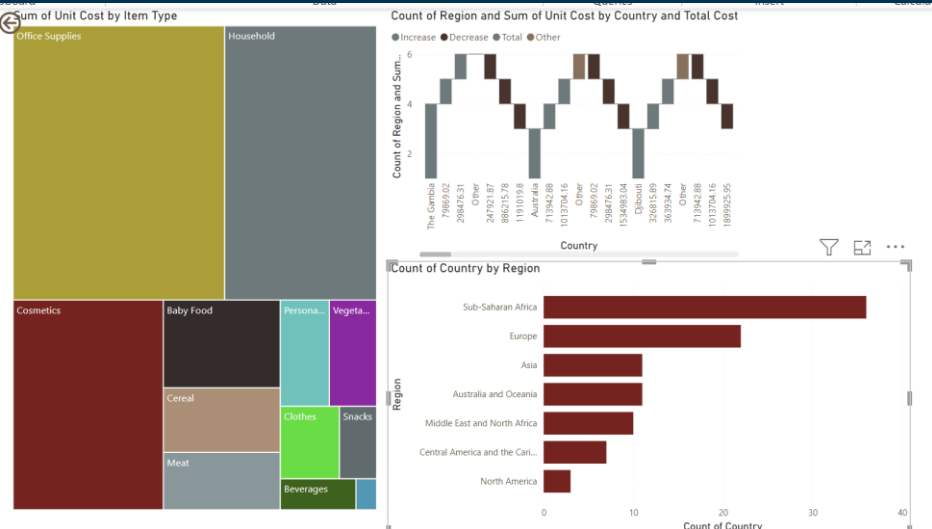
Aircraft: Type ● Airplane



Count of Altitude bin by Origin State



My Design



THANK YOU