0.0.1 Data Exploration Report

Keeping the length of this section reasonable, the exploration report shown here contains the data from 1990 (except for the data summary). The report for the rest of the data is in the appendix of the final document.

0.0.1.1 Animal Strike Data

The first summary table shows the number of distinct items for each year regarding the Airline operators, Aircraft, Aircraft types, Aircraft mass types, and Engine types, which have been reported as being affected in an animal strike. (Please note that the data for 2016 is available until 30-4-2016.)

Year	# of reports	Operators	Aircraft	Aircraft type	Aircraft mass type	Engine type
1990	1847	316	329	4	5	9
1991	2388	316	329	4	5	9
1992	2566	316	329	4	5	9
1993	2575	316	329	4	5	9
1994	2635	316	329	4	5	9
1995	2768	316	329	4	5	9
1996	2936	316	329	4	5	9
1997	3455	316	329	4	5	9
1998	3799	316	329	4	5	9
1999	5113	316	329	4	5	9
2000	6000	353	394	3	5	9
2001	5820	353	394	3	5	9
2002	6225	353	394	3	5	9
2003	6002	353	394	3	5	9
2004	6561	353	394	3	5	9
2005	7227	353	394	3	5	9
2006	7240	353	394	3	5	9
2007	7745	353	394	3	5	9
2008	7632	353	394	3	5	9
2009	9508	353	394	3	5	9
2010	9904	281	392	4	5	10
2011	10115	281	392	4	5	10
2012	10905	281	392	4	5	10
2013	11403	281	392	4	5	10
2014	13692	281	392	4	5	10
2015	13167	281	392	4	5	10
2016	1391	281	392	4	5	10

The second summary table shows the number of distinct items for each year regarding the Time of day, Airports, States, Phase of flight, weather conditions (Sky and Precipitation), and the flag for showing if the pilot has been warned or not about birds / wildlife in the reports. (Please note that the data for 2016 is available until 30-4-2016.)

Year	Time of day	Airports	States	Phase of flight	Sky	Precipitation	Warned
1990	5	1175	61	12	7	8	4
1991	5	1175	61	12	7	8	4
1992	5	1175	61	12	7	8	4
1993	5	1175	61	12	7	8	4
1994	5	1175	61	12	7	8	4
1995	5	1175	61	12	7	8	4

Year	Time of day	Airports	States	Phase of flight	Sky	Precipitation	Warned
1996	5	1175	61	12	7	8	4
1997	5	1175	61	12	7	8	4
1998	5	1175	61	12	7	8	4
1999	5	1175	61	12	7	8	4
2000	7	1499	63	12	5	9	5
2001	7	1499	63	12	5	9	5
2002	7	1499	63	12	5	9	5
2003	7	1499	63	12	5	9	5
2004	7	1499	63	12	5	9	5
2005	7	1499	63	12	5	9	5
2006	7	1499	63	12	5	9	5
2007	7	1499	63	12	5	9	5
2008	7	1499	63	12	5	9	5
2009	7	1499	63	12	5	9	5
2010	5	1497	63	12	4	9	5
2011	5	1497	63	12	4	9	5
2012	5	1497	63	12	4	9	5
2013	5	1497	63	12	4	9	5
2014	5	1497	63	12	4	9	5
2015	5	1497	63	12	4	9	5
2016	5	1497	63	12	4	9	5

The following graphs show the distributions of some of the selected distinct items summarized in the tables above.

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0.0.1.2 Flight Data

TODO