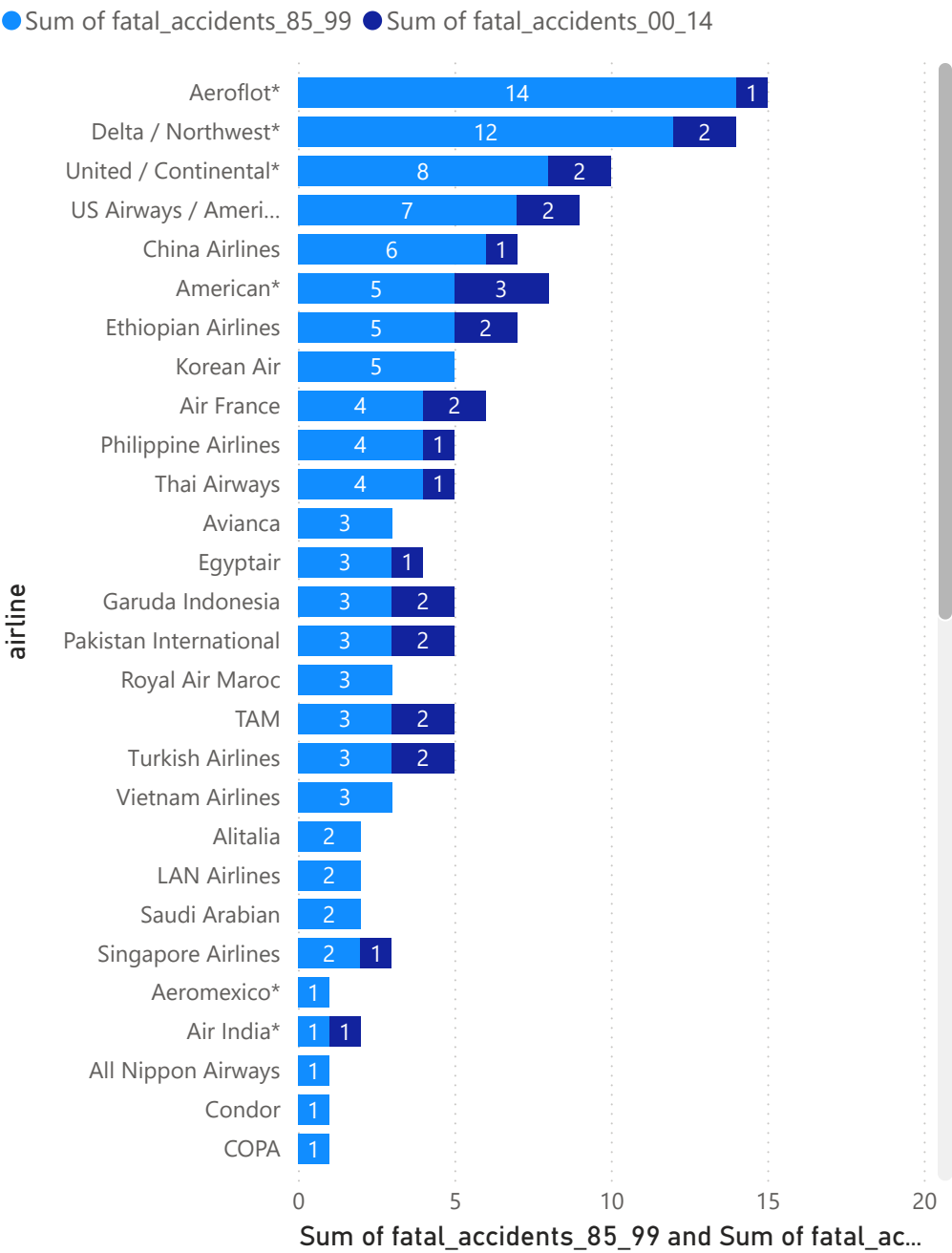


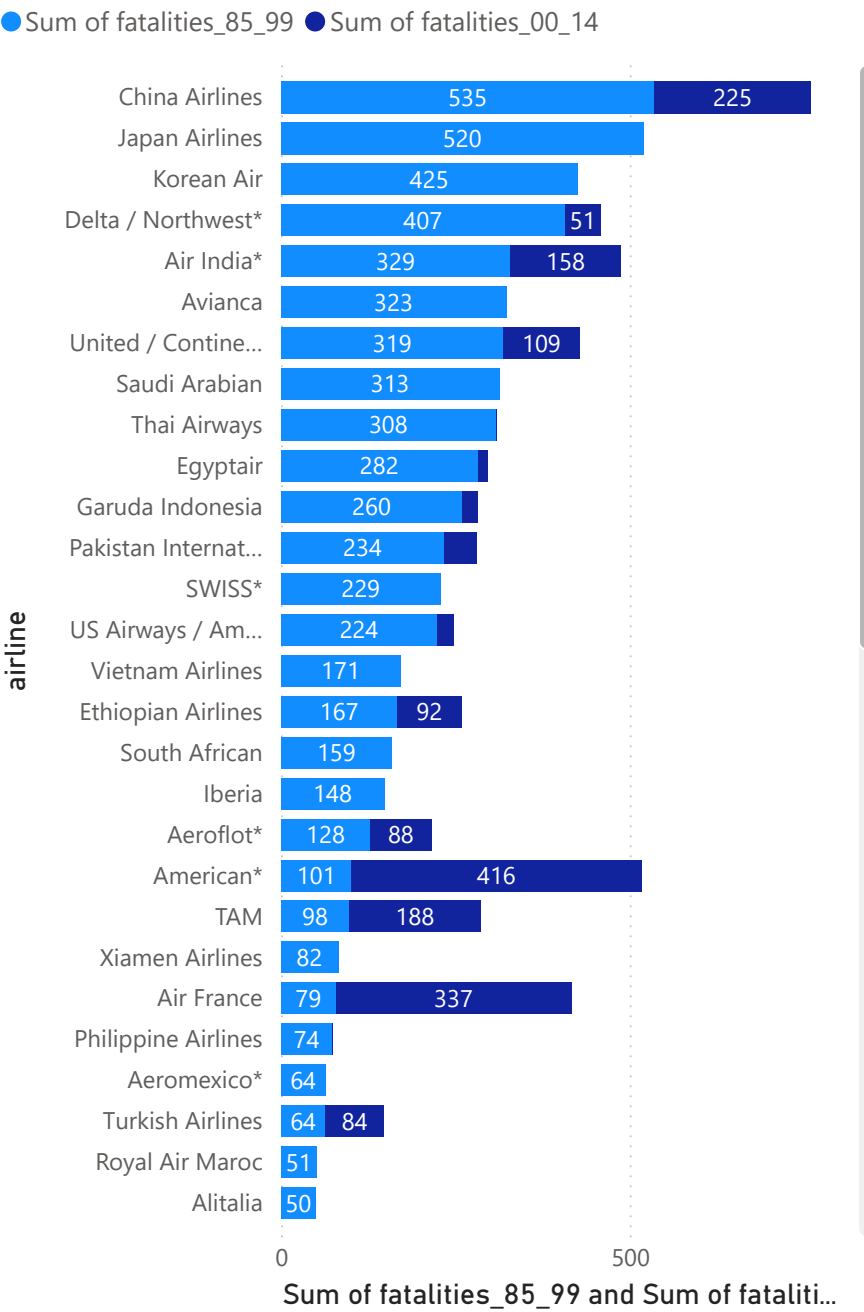
Airline Accidents and Safety EDA:

- Page 1 - Bar Chart to compare sum of fatalities and sum of fatal accidents.
- Page 2 - Scatter Plot to show the airlines with most fatalities.
- Page 3 - Shows how fatalities are distributed across 12 months.
- Page 4 - Global Location of Recent fatalities and the aircraft involved in those accidents.

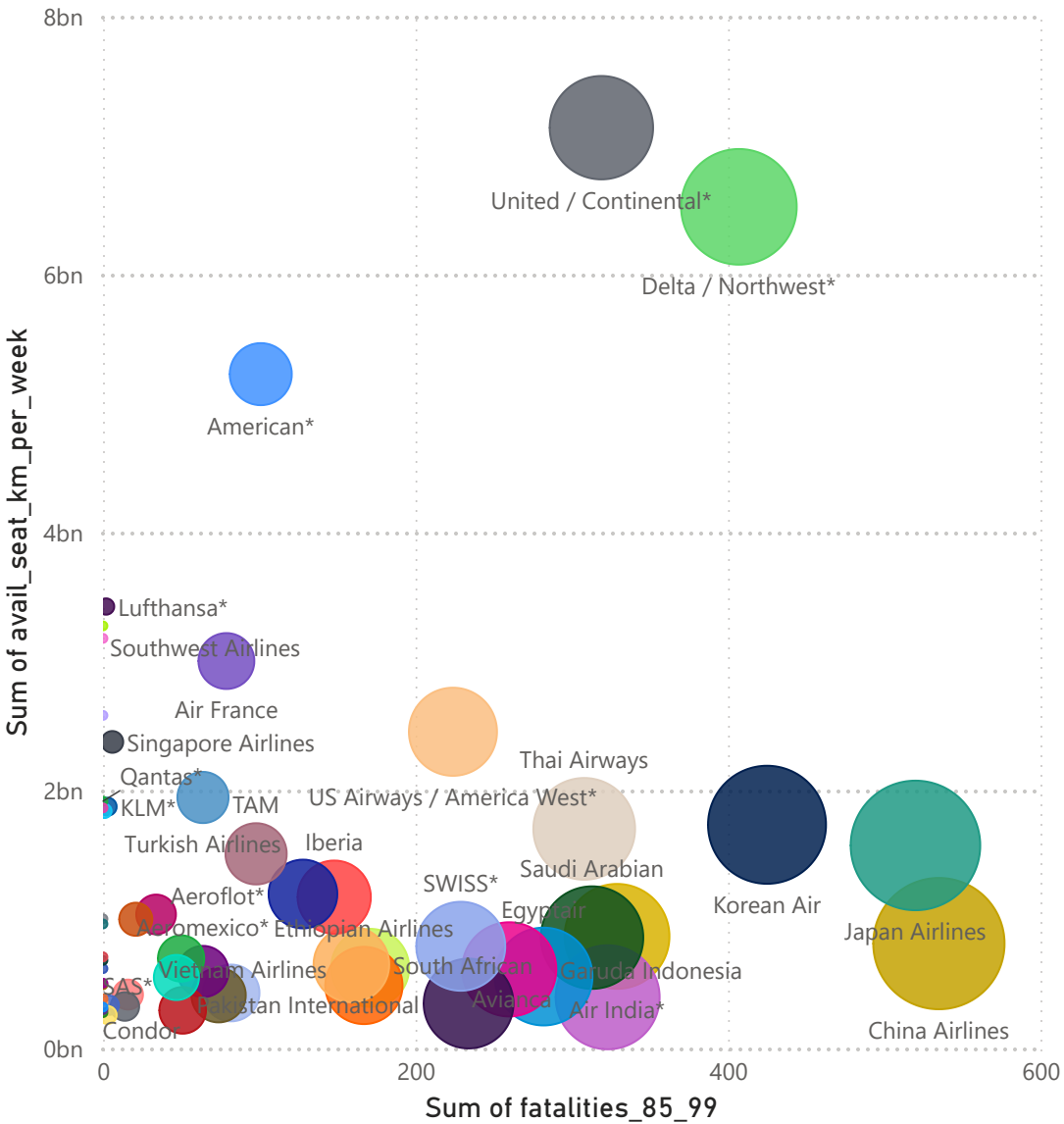
Sum of fatal_accidents_85_99 and Sum of fatal_accidents_00_14 by airline



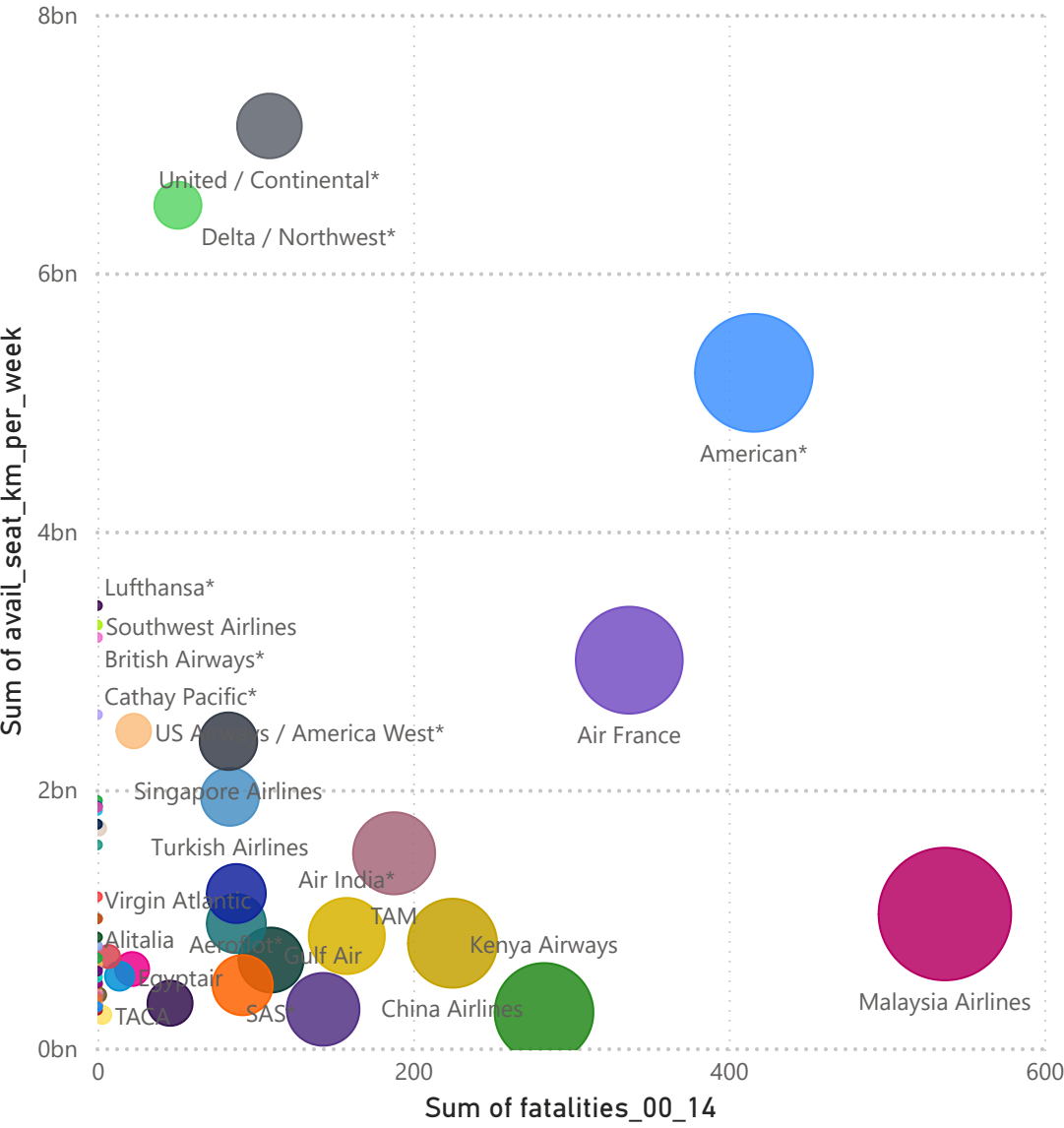
Sum of fatalities_85_99 and Sum of fatalities_00_14 by airline



Fatalities from 1985- 1999 vs Total available Seats based on Airline



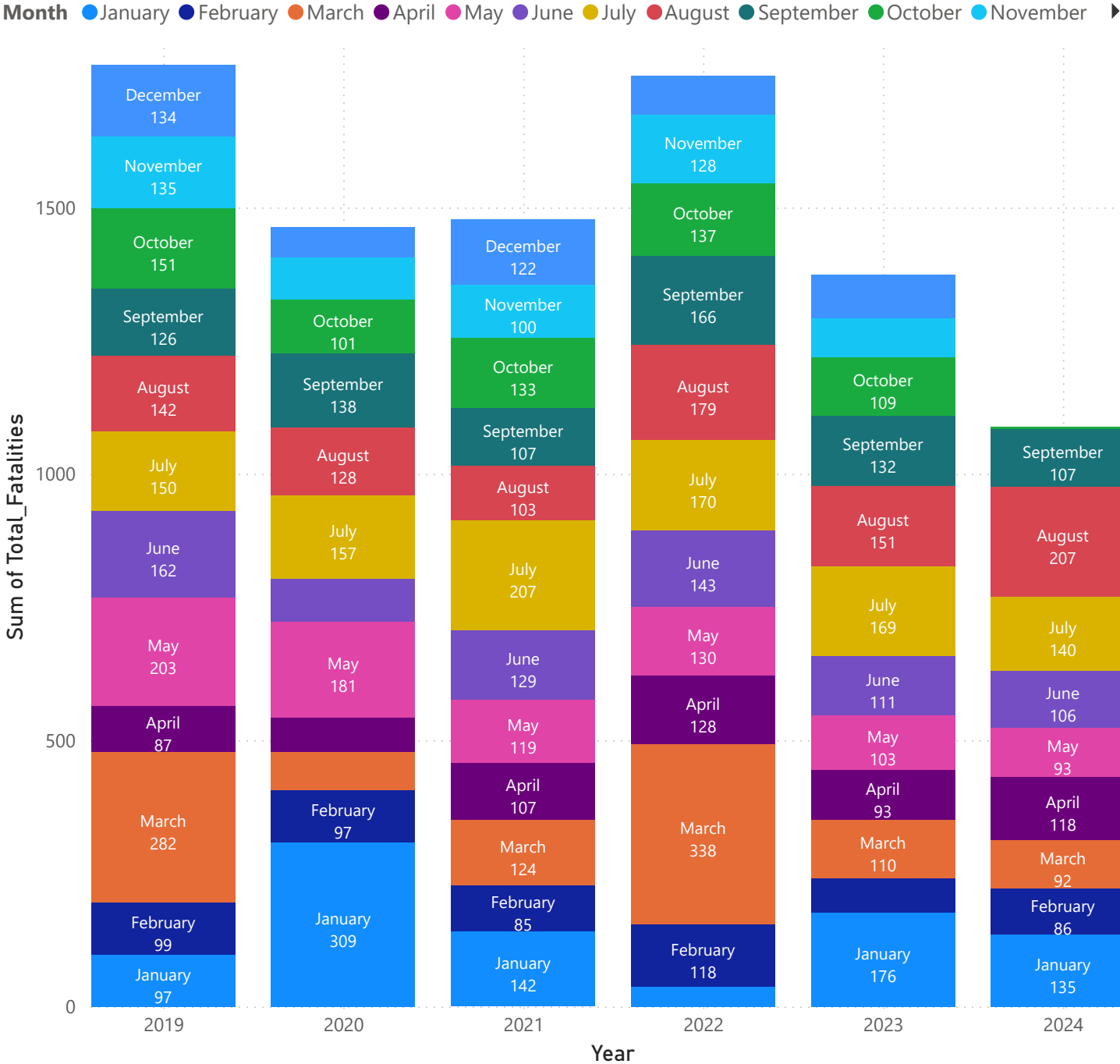
Fatalities from 2000-2014 vs Total available Seats based on Airline



Fatalities Based on Year and Months:

- Looking at the Fatalities we can see that March accounted for most Fatalities in 2022 overall.
- Second is January with most fatalities in 2020.
- According to Weather survey Spring is more prone to accidents due to changing weather conditions.
- Also monsoon seasons are second to causing uneven weather conditions.
- These finding are definitely supported by our data.

Sum of Total_Fatalities and Last Location by Year and Month



Month	Sum of Total_Fatalities
March	1018
July	993
August	910
January	896
May	829
September	776
June	731
October	635
April	597
February	550
November	516
December	465
Total	8916

Fatalities based on Location:

From this map we can infer the following information:

- Fatalities are more prominent in less developed countries.
- We can see that Tehran had the biggest fatality in 2020, where Tehran is also under US Sanctions. Plane type Boeing 737.
- Second we have Addis Ababa, Ethiopia with a fatality of 157 in 2019, plane type Boeing 737.
- Third largest airline fatality in Wuzhou, China, plane type Boeing 737.
- Commonality between all 3 major accident from 2019-2024 is the aircraft manufacturer and type - Boeing 737 series.

Sum of Total_Fatalities by Location and Year

Year ● 2019 ● 2020 ● 2021 ● 2022 ● 2023 ● 2024

