**Project Task 2: Executive Summary**

Madhuri Basava

Bellevue University

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Professor: Catherine Williams

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**Executive Summary**

The following is the analysis done for our company Airbus for the Aviation Project

I considered the comparison of fatalities for our company (Airbus) to the other company (Boeing).

The following are the 8 different charts I analyzed.

1. Sum of fatalities by Location chart is a bar chart that depicts the top 7 locations where the most fatalities happened. Identifying countries with higher accident rates can help in assessing the effectiveness of their aviation safety regulations.
2. Sum of fatalities by Location and year: This visualization shows the map's distribution of accidents by location. The values can be drilled down per year.
3. The sum of fatalities by year chart is a bar chart showing the number of yearly fatalities. By analyzing this chart, we can see that the number of fatalities decreased from 2019 to 2023.
4. The sum of fatalities by month chart is a bar chart that shows ‘August’ the month that had the most fatalities.
5. The sum of fatalities by Route shows Adana, Turkey to Balad Airbase, Iraq route has the maximum number of fatalities.
6. The sum of Fatalities by Type (Boeing) is a donut chart that displays the

number of fatalities for each Boeing flight type. I have displayed the numbers inside the donut chart because it is difficult to know by just seeing the donut chart.

1. The sum of fatalities by type (Airbus) is a pie chart that displays the

Number of fatalities for each Airbus flight type. I have displayed the numbers inside the pie chart similar to the donut chart because it is difficult to know by just seeing the pie chart.

1. The Line chart trend shows that the count of accidents is decreasing over time.

I used graphs and charts that clearly and accurately represent the data, and labels to have a more Data-to-Ink ratio. Ethical consideration: Avoided visual distortions that can mislead the viewer about the severity or frequency of fatalities.

Conclusion: By analyzing the above pie chart and Donut chart, we can see the trend for the future as airline fatalities are decreasing over time.

Also, our company(Airbus) has comparatively fewer total number of fatalities than Boeing. But Airbus A330-203 and Airbus A-320-233 have more fatalities than other types of Boeing. So, we need to take more precautions to reduce the safety risks for these types.

A screenshot of a graph

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