**AIR LINES SAFETY ANALYSIS**

**What you did and why did you make the decisions you did?**

In conducting the analysis, the objective was to analyze airline crash and fatality data and compare the data from the periods of 1985-1999 and post-2000. The decision to focus on these timeframes was based on the availability and reliability of data during these periods. The visualizations chosen were selected to effectively communicate the trends and patterns in airline safety.

**Why did you choose the visualizations you did?**

The plan to present the findings to the executive committee involves using the visualizations and explaining the key insights derived from them. The line chart demonstrates a gradual reduction in the number of crashes from 1995 to 2022, indicating an improvement in airline safety over time. The bar chart highlights the relatively lower number of fatalities per airline during the 1985-1999 period, attributed to factors such as lower flight frequency and fewer people flown.

**What is your plan to present to the executive committee?**

The presentation to the executive committee will emphasize the positive trends in airline safety and provide insights into the specific measures taken to enhance safety. It will also address the importance of ongoing efforts to maintain and improve safety standards in the industry.

Also, Ethical considerations were considered throughout the research process. The privacy and sensitivity of the data were respected, ensuring it was used solely for research purposes. Transparency and accuracy in reporting the findings were prioritized to promote trustworthiness. The limitations and scope of the analysis were clearly communicated to avoid any misinterpretations.

**What were your overall findings?**

The overall findings indicate that airline safety has improved over time, contrary to the claims made in the media. The reduction in crashes suggests that advancements in safety protocols, technology, and industry regulations have played a significant role. It is essential to continue prioritizing and investing in airline safety measures to ensure the well-being and confidence of passengers.

**What ethical considerations came up when presenting to this audience or while you were doing your research?**

Privacy and Sensitivity of Data: It was crucial to handle the airline crash and fatality data with utmost care and respect for privacy. The data collected from reputable sources was used solely for the purpose of research and analysis. Confidentiality measures were implemented to protect the identities and personal information of individuals involved in the incidents.

Transparency and Accuracy: Ethical conduct demanded that the findings and insights derived from the data were reported with transparency and accuracy. It was important to present the information in an unbiased manner, clearly distinguishing between facts and interpretations. Any limitations or uncertainties associated with the data were honestly communicated to avoid misleading the audience.

Professional Integrity: Throughout the process, maintaining professional integrity was of utmost importance. The research was carried out with a commitment to adhere to ethical guidelines, avoid conflicts of interest, and prioritize the interests of the public and the stakeholders involved.