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Project Task 2: Executive Summary

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Airlines Data Analysis- Executive Summary

What is the safest way of transportation in today's era? According to recent research study compiled by leading economist Ian Savage of Northwestern University, Savage found that it is safer to travel today than ever before, and the safest way to travel is by Air compared to any other transportation.

To analyze this theory, I retrieved data from various sources and from different time frames. I used this data to conduct airline data analysis. When Incidents, Fatal accidents and Fatalities were compared between two time frames, years 1984 to 1999 and years 2000 to 2014, I noticed that the Incidents, Fatal accidents, and Fatalities were drastically dropped in the recent time frame compared to the earlier time frame. The numbers are so significant between these two time frames, that it clearly indicates that safety measures have been taken place in recent years which helped the numbers to drop.

To analyze further, I broke down the airlines data and studied the incidents by airlines, fatal accidents by airlines, and fatalities by airlines. In general, most of the airlines showed a trend where their number of airline incidents, fatal accidents, and fatalities decreased over time.

I also compared the trends in fatalities for airline travel and automobile travel. Airline fatalities showed an increasing trend through 1972 and started decreasing drastically since then. Automobile fatalities showed an increasing trend through 1972 and started decreasing slowly since then. While there are safety measures being placed in both airlines and automobiles, the number of fatalities for airline travel were significantly smaller compared to the number of fatalities for automobile travel.

By looking at these trends, I can conclude that the airline travel is the safest way to travel.

References

<https://github.com/Shilpakolekar/DSC-640/tree/main/Week5%266>

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