Assignment 5.3

Project Task – 4

Infographic

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Introduction

In the info graphic I have discussed about the airline fatalities from the past decades and the recent ten years. The info graphic mainly concentrates on the fatalities of the airlines and other transports, and how safe the airline travel is.

Visualizations

For the visualizations I have used annotated line plot for the number of fatalities from 1912 to 2021, indicating the highest number of fatalities recorded. I have used an annotated line plot with a trend line for showing the trend in the fatalities count between 2000 and 2021. For these plots I have selected red color indicating the fatalities. I have used the combination plot of Bar Plot in blue color for showing the fatalities of the Motor Vehicles and the Line plot showing the fatalities in Domestic Airline Passenger Flights. I have used the Bar plot for the Motor Vehicle Fatalities count and Domestic Airline Passenger Flights Fatalities. I have plotted a Bar plot for showing the Fatalities in the airlines by the flight type and the colors used are by the type of flights. I have plotted the seats availability trend in the Domestic Passenger flights over years using the Bar plot and I have used the color blue.

Infographic Summary:

Transportation role is to provide or improve access to different places around world for personal or businesses. We have different transportation means like road, rail, marine and aviation. Accidents (or incidents) can occur in any type of transportation and can result in fatalities. Any transportation management has to take precautions to predict accidents and take necessary steps to prevent accidents in future. The data sources contain the airline fatalities from 1912 to 2021, the different flight types, and phase of the flight with fatalities. I have used the Motor Vehicles crash report data, Domestic Passenger flights seats availability data for this analysis. In the analysis of the airline fatalities data Military flights

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have recorded more number of fatalities, followed by Domestic Passenger flights. The fatalities

recorded are more in Motor Vehicle Crashes than in the Domestic Passenger flights accidents. The

fatalities in the domestic passenger flights have shown a decreasing trend from the past ten years. The

availability of the domestic passenger flight seats have been increased over the past ten years indicating

that the passengers (people) believe air travels a safest travel.

Conclusion:

Any travel is not safe if the safety rules and preventive measures to avoid accidents/ incidents are not

followed. The airline fatalities have decreased from the recent ten years. The advancements made by

the latest technology makes the Airline travel a safest travel. By taking the necessary actions and

updating the technologies where ever necessary, helps in avoiding accidents in the future.

Ethical concerns:

The ethical concerns that are to be considered in handling the data are privacy, confidentiality, honesty

and fairness. While handling the data I have taken care that the data is not biased towards the airline/

airline industry. All the data is validated to ensure that the facts are not misrepresented in the

visualizations.

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References

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