Project Task-2

This document will illustrate the approach used in depicting the airline safety.
The ppt created has various plots and each plot shares some information which is explained below

- **Slide 2 -** Executive Summary- Touch Points
  - This will showcase the high level aspects of the presentation which makes it easier for executives to visualize the series of presentation.

- **Slide 3 -** Chart Showing Total Airline Fatality Per Year
  - The line chart shows airline fatalities past years which arise a question on the safety of air travel for passengers.The line chart gives a good visual on the trend.

- **Slide 4 -** Chart Showing decreasing Airline Fatality Counts per Million Flights during last Decade
  - The chart here shows Fatal accidents per million departures which looks like a very less number
  - The line chart depicts the moving trend effectively

- **Slide 5:** Chart Showing Total Road Fatality
  - A waterfall chart to show the total counts of Road fatalities in all states in the USA for the year 2019
  - Bar chart shows the Motor vehicle fatalities data for previous years
- **Slide 6:** Chart Showing Delta Airline Vs other Airlines decade long revenue
  - If someone from Delta Airline is looking at these trends and they can see how Delta has improved over the years
  - A multi-line chart showing the revenue of various airlines with Delta in highlighted color
- **Slide 7:** Post Covid Revenue
  - How aviation was impacted during Pandemic and a line chart showing the increasing trend post pandemic
- **Slide 8:** Costing Pressure
  - This colorful TreeMap Chart to showcase multiple components and their percentage contribution on 2023- Q4 operational cost
- **Slide 9:** Conclusion
  - This can help anyone see how industry needs little more safety precautions and it can become the best means of trvel for everyone.

Why did you choose the visualization you did?
- I used line charts for trends as that helps in showing moving trends
- I used bar chart as it helps in showing the gradient easily
- I used Tree Map as it shows how each category is distributed
- I also used waterfall chart as it shows factor responsible for change easily

What is your plan to present to the executive committee?

Key to the presentation will be to showcase Airline is proving to be safest way of travel as compared to road travel data. Important aspects which will be included in the presentation is described below

- Media Coverage related to Airline Fatalities
- Airline Revenue (Precovid and Post Covid)
- Current Operational Cost analysis
- Recommendations and Conclusion
- Legal & ethical disclaimers

What were your overall findings?

- The airline reported Fatality (worldwide) was way less & not comparable than the total ground fatality reported alone in the USA
- Management needs to focus on controlling Operation costs
- Management Need to plan for upsizing the fleet capacity

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

- No PII data is used.
- All Data Sets are extracted from Public Websites.
- Used Datasets have no restrictions for Academic usage
- Data references are listed