SUMMARY

For my blog ([A Love for Travel, A Quest for Safety: Exploring the Safety of Air Travel](https://air-travel-safety-ramani.blogspot.com/2023/07/love-traveling-but-worry-about-how-safe.html)), I am considering using visuals created in the previous tasks using airline safety and crash data from 1985 to 2014. Since airline safety is a concern to passengers, the objective is to provide insights that could ease passengers’ anxiety.

I have selected four visualizations for this task, using the dataset sourced from Aviation Safety Network's database, together with supplemental data on airline crash data dating back to 1908, obtained from Kaggle.

In the first visualization, the focus is on the fatality rate per country. I created a new visualization, stripping away distracting colors to keep the audience focused on the crucial numbers. The objective is to present the fatality rates of different countries. By providing this information, passengers gain valuable insights to make informed travel plans.

The second visualization is the number of fatalities by airline. The purpose of using this visualization is to allow passengers to pick the airlines that are safe for their travel. This information empowers passengers to choose airlines that prioritize their well-being, ensuring a safer journey.

The third visualization examines fatalities caused by aircraft. While passengers may not always have the choice to select an aircraft, if given the opportunity, this visualization empowers them to make informed decisions. By understanding the data on fatalities associated with different aircraft, passengers can prioritize their safety and choose wisely when it comes to their travel plans.

The fourth visualization displays a line chart capturing the trend in airline fatalities. A clear decline is evident, instilling confidence in air travel safety. It serves as a visual reminder that the industry continuously prioritizes passenger well-being and diligently works to enhance the safety measures in place.

The other visualizations presented to the management in Task 2, are not utilized in this blog post since they are more focused on corrective measures for the airline industry/companies to improve air travel safety. Revealing this information to passengers could cause more anxiety than reassure them of the safety of airline travel.

In conclusion, the blog affirms that airline travel is one of the safest modes of transportation based on the downward trend in fatalities and provides valuable insights for travelers, highlighting airlines and aircraft that prioritize safety.

ETHICAL IMPLICATIONS:

* + - 1. Ensuring data accuracy is crucial, especially when the data is obtained from a public website rather than an airline-specific or government one. It is difficult to ascertain the accuracy of such data. We can see a discrepancy between the Airline Safety data and the airline crash data provided on Kaggle, which brings into question the reliability of the data source.
      2. It's worth noting that the crash reports dataset only goes up until 2014, which is a decade ago. It would improve the accuracy of the analysis if more recent data were available.
      3. When discussing specific airlines or incidents, it is important to maintain respect for privacy and not disclose any sensitive or confidential information that could harm individuals or organizations involved.

REFERENCES:

*Airplane crashes 1908-2009 - dataset by hhaveliw*. data.world. (2018, July 12). <https://data.world/hhaveliw/airplane-crashes-1908-2009>

Fivethirtyeight. (n.d.). *Data/airline-safety at master · fivethirtyeight/data*. GitHub. <https://github.com/fivethirtyeight/data/tree/master/airline-safety>