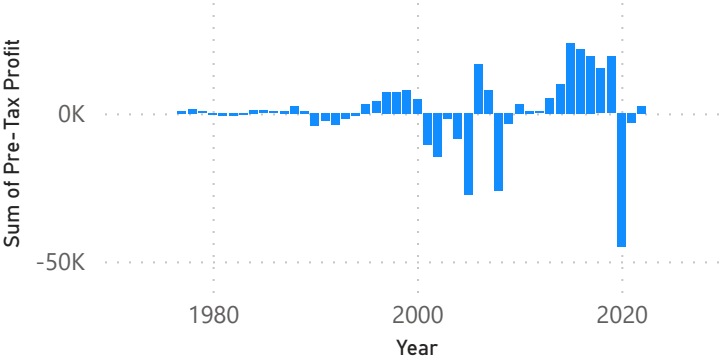
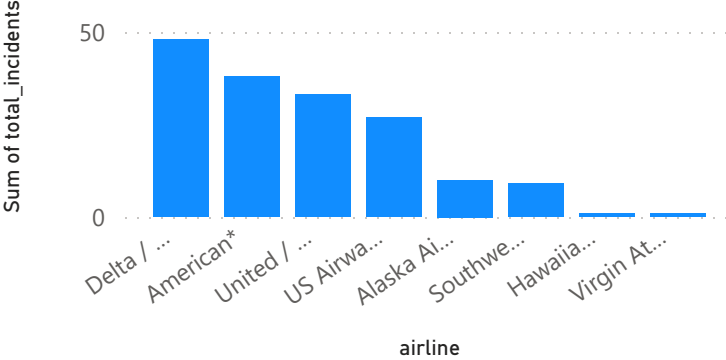


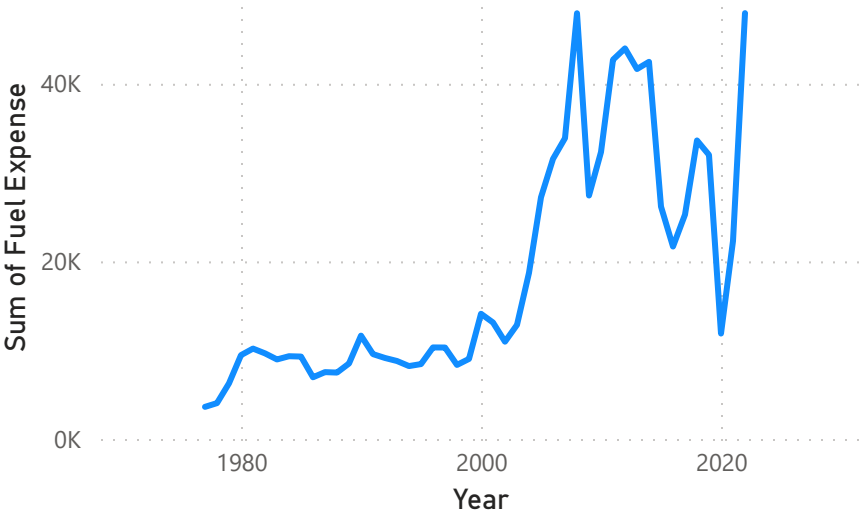
Pre-Tax Profit by Year for US Airlines



Sum of total_incidents by airline

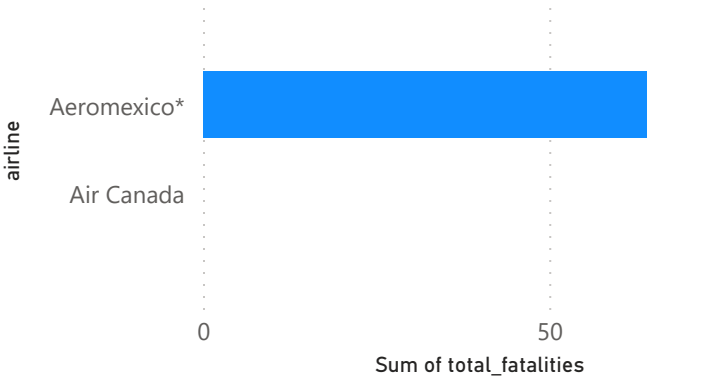


Fuel Expense by Year for US Airlines

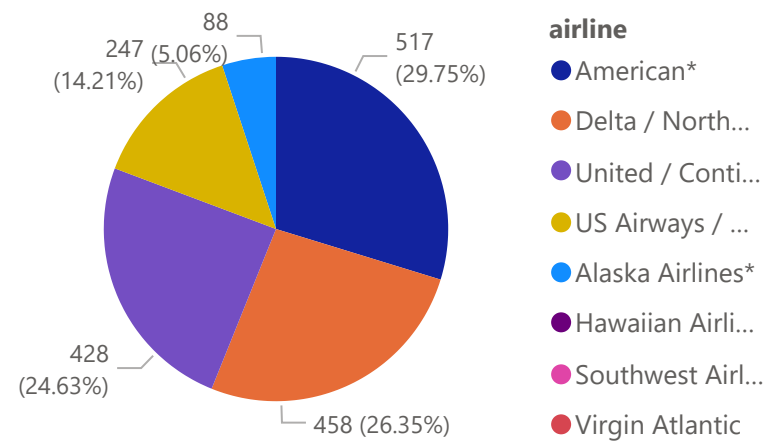


Safety & Financial Outlook for US Airlines

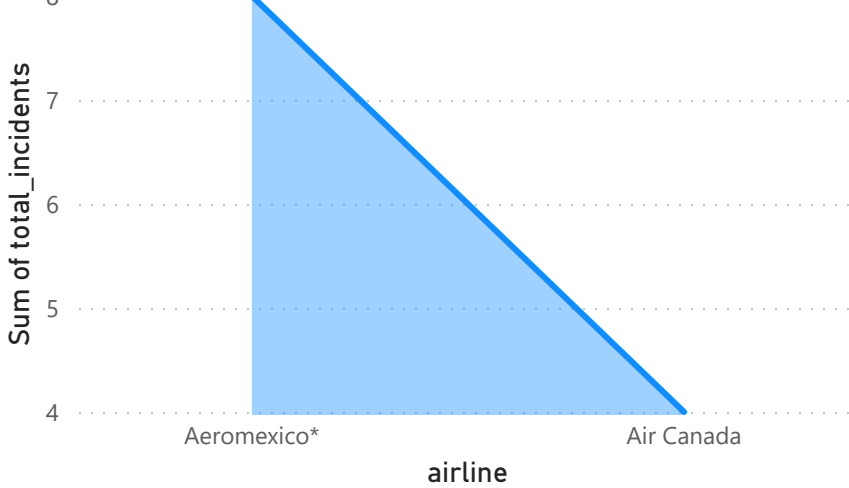
Non US North American Airline Fatalities



US Airline Fatalities



Non US North American Airline Incidents



Safety Incidents and Financial Outlooks

Carlos Cantu

DSC 640

Catherine Williams

Safety Incidents and Financial Outlooks

In formulating a strategy for disseminating crucial airline safety information to our internal team, I've prioritized a comprehensive understanding of the facts. My focus has been on US-based airlines, while also encompassing other carriers operating within North America. This approach allows us to assess safety records and operational performance among US airlines while maintaining a broader perspective on the North American aviation market.

The primary aim of my presentation is to provide the team with a comprehensive insight into the current state of the aviation industry, emphasizing both safety incidents and financial outlooks. Utilizing various visualizations, I aim to furnish the team with a clear understanding of prevailing market conditions.

The visualizations I've prepared cover all safety incidents within North America, including fatal occurrences, to underscore the gravity of such events within the region. By presenting a comprehensive overview of safety incidents, I aim to highlight the importance of addressing safety measures across the entire spectrum, from minor incidents to the most severe cases. This approach enables us to develop a nuanced understanding of the safety landscape, identifying trends and areas for improvement to elevate overall safety standards within the industry.

In addition to safety considerations, I've analyzed the financial outlook of airlines, with a particular focus on pre-tax profit and fuel expenses. By examining pre-tax profit trends over time, we gain valuable insights into the financial performance of airlines and their relative standings within the industry. This not only provides a snapshot of the current state of affairs but

also enables us to identify patterns and fluctuations that may impact future profitability. By examining fuel expenses, we can pinpoint major cost drivers within the industry and anticipate their potential impact on financial performance. Given that fuel expenses constitute a significant portion of airlines' operating costs, understanding their trajectory is essential for strategic planning and effective cost management initiatives.

To accomplish our objectives effectively, the visualizations I've prepared not only highlight safety incidents but also delve into key financial metrics, such as profitability, and the critical cost component of fuel expenses. By juxtaposing safety data with financial performance indicators, I aim to offer a nuanced perspective that enables the team to grasp the intricate interplay between safety measures and operational viability within the industry.

In summary, my methodology for presenting airline safety information entails a meticulous examination of US airlines within the broader context of the North American market. Through comprehensive visualizations, my aim is to equip the team with the knowledge and insights necessary to navigate the complexities of the aviation industry effectively.

Citations

FiveThirtyEight.(2019).airlinesafety.GitHub.<https://github.com/fivethirtyeight/data/tree/master/airline-safety>.

AirlinesforAmerica(A4A).(Year).AnnualResults:U.S.PassengerAirlines.<https://www.airlines.org/dataset/annual-results-u-s-passenger-airlines/>.