

Airline Safety Executive Summary

Introduction:

Due to the Airline Safety Dashboard being well received by the internal team, the entire consensus was that to move forward with an executive review. The following documentation will summarize my findings about the financial health of the overall industry, and it will address the concerns of airline safety. Therefore, this presentation will provide some valuable information that can be used to set the tone of how safety concerns questions should be answered when interviewing with the media. I want to ensure the leadership that the research and the data used for the findings is from credible industry recognized organizations like Airlines for America, and the Aviation Safety Network. This analysis can also be used as a reference when speaking to shareholders because it can be used show case certain financial metrics.

Analysis Summary:

To start, as with any business it is important to see if the business is making a profit. Since our business mainly operates in the United States, I wanted to get data that would show case the financial results for the United States Passenger Airlines. I was able to get this data from the Airlines for America Organization, which sourced its data from the United States Department of Transportation. Referring to the slide titled “Net Profit for US Airlines”, it is evident that there has been some really good years when profit was an all-time high, but there has also been some years where profits dropped. However, it is important to note that profits are on a positive trend over most recent 10 years. A similar story can also be found when observing the “Total Operating Revenue for US Airlines”, the graph utilized dates all the way back to 1977, and it is clearly evident that revenues are going up. In the same note in the graph, “Total Operating expense for US Airlines”, it is noticeable that the expenses are going up. However, it is important to note that the revenue is exceeding the expenses for the majority of years, and thus there is positive net profit. It was also exciting to see that the “US Average Domestic Round Trip Airfare”, is also on a positive trend. It is especially important to note that the “All in Fare” values are larger than the “Base Fare”, this means that the US Domestic Airlines are doing a good job selling extras to the clientele such as food and beverages, and for checked bags. When considering safety, the United States Airlines can be rest assured that the trends are in their favor. The graph titled, “Major Airline Fatalities”, conveniently shows the values in a stacked bar graph, and this highlights the main point, which is that the fatalities have decreased for the majority of the airlines in the past 15 years. The graph titled, “Major Airline Incidents”, also has a stacked bar graph, which shows that the incidents have decreased over the last 15 years. In conclusion, the visualizations and the data presented with this summary clearly shows that the financial health of the overall industry is on a positive trend, and business is growing. Most importantly, airlines have gotten safer, and the public can travel with a peace of mind.

Data Sources:

<https://www.airlines.org/dataset/annual-results-u-s-passenger-airlines/#>

<https://www.airlines.org/dataset/annual-round-trip-fares-and-fees-domestic/#>

<https://github.com/fivethirtyeight/data/tree/master/airline-safety>