Airline Report

In this presentation to my executive group, I used a series of various different visual charts to clearly and precisely reflect the data in my findings in that hopefully it will give way to a conscious and impactful resolution to the companies growing concern and issues.   I began with a slide visual illustrating fatality through two different major modes of transportation (global commercial airline and USA Automobile). I also displayed total automobile fatalities of two major metro states in the USA to give further support that even this doesn't yield less fatalities than air traveling. Next, I used a scatterplot showing the total airline fatal accidents in commercial airline travel. The point of this chart is to show the trend of accidents from 2000 to 2019 and through this chart we can see that in the early 2000's there were much more accidents then in the later years thus possibly reflecting improvements in aviation safety. The next chart I am comparing global airline accidents to operating and net profits. In this financial visual we can see between 2016 -20018 we can see a dip in profits and in 2019 we can see in increase in both profits and accidents which may illustrate that there could be other variables that could also affect the airline business other than accidents. In the next visual I used a line chart to show trend of passengers that are boarding commercial airlines, and through this visual we can see that from '15-'19 total passengers purchasing tickets is on a positive incline. In the next visual we can compare total operating expense to revenue. In this visual we can see that it compliments the previous slide in that we see an increase in both for the years of '15-'19. In the last visual slide, I used a three-way line chart comparison between labor and fuel expense and base fare cost. In this visual we can see that both expenses continue to trend up and base fare cost is trending down, which if this continues may lead to some issues as this may affect the bottom line.

Overall, the findings in this report were of value. The visuals gathered in this presentation were to give an overall reflection of the safety and direction of commercial aviation. While safety appears to be at the forefront of commercial aviation, there hasn't been any definitive data illustrating a negative trend in accidents.

References:

1) Airlines For America | Data & Statistics
2) Data | National Highway Traffic Safety Administration (NHTSA)
3) data/airline-safety.csv at master · fivethirtyeight/data · GitHub