

EXECUTIVE SUMMARY

Airline Safety Analysis: SkyAir Airlines

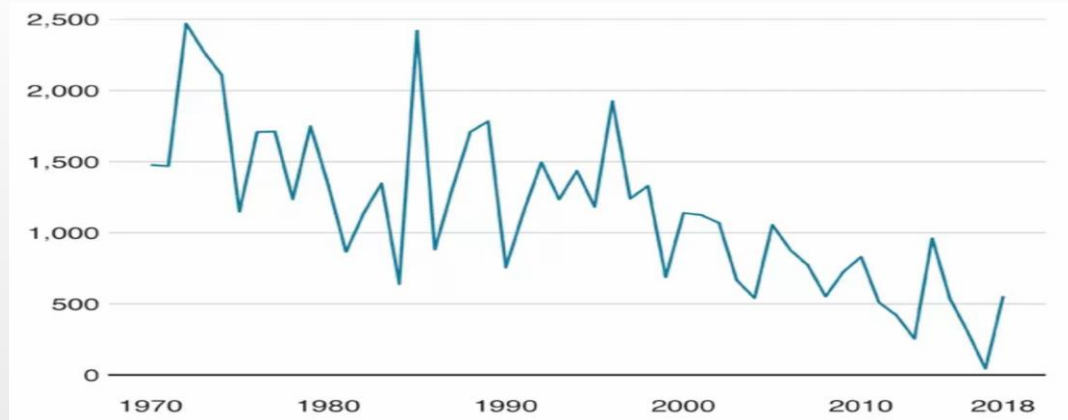
EXECUTIVE SUMMARY- TOUCHPOINTS

Media Aspects	Is Airline is as unsafe as reported by Media. Let's review some data
Airline Revenue	Airline Industry is been high revenue generating industry. Has anything impacted the industry recently?
Costing Pressure	What are the drivers for cost and how can it be improved
Recommendation	Conclusion from the data
Legal and ethical considerations	Data Authenticity & PII Disclaimers
References	Data Sources

Media Aspects

- Media reported sharp rise in airline accidents in 2018 as compared to previous years
- Is it really a big number?
- Let's go through next slides to assess how safe is airline travel

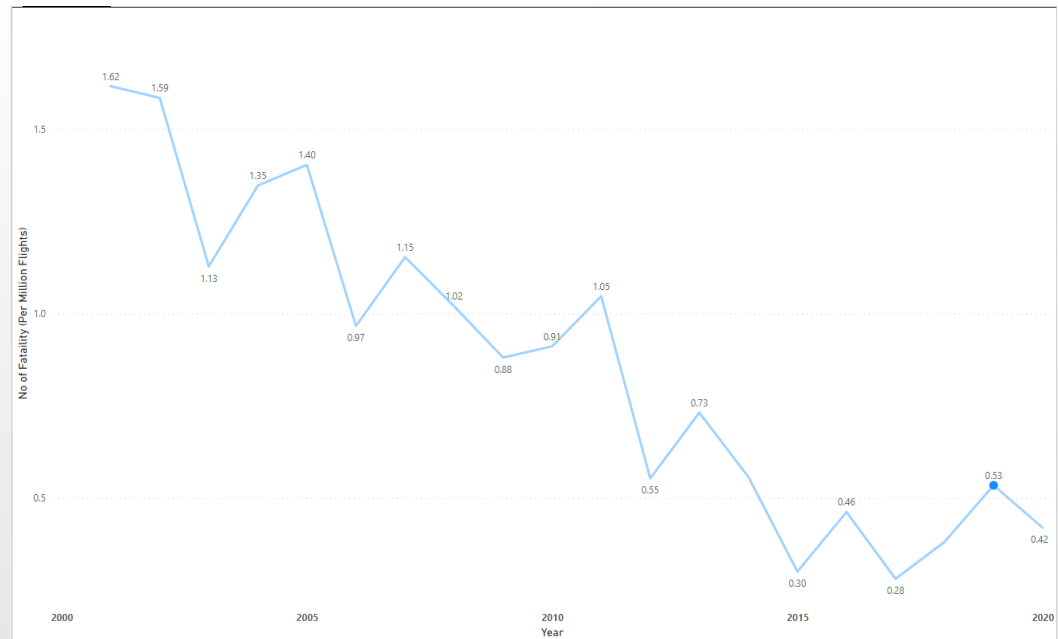
AIRLINE FATALITY COUNTS BY YEAR



Trends in Data-Aviation

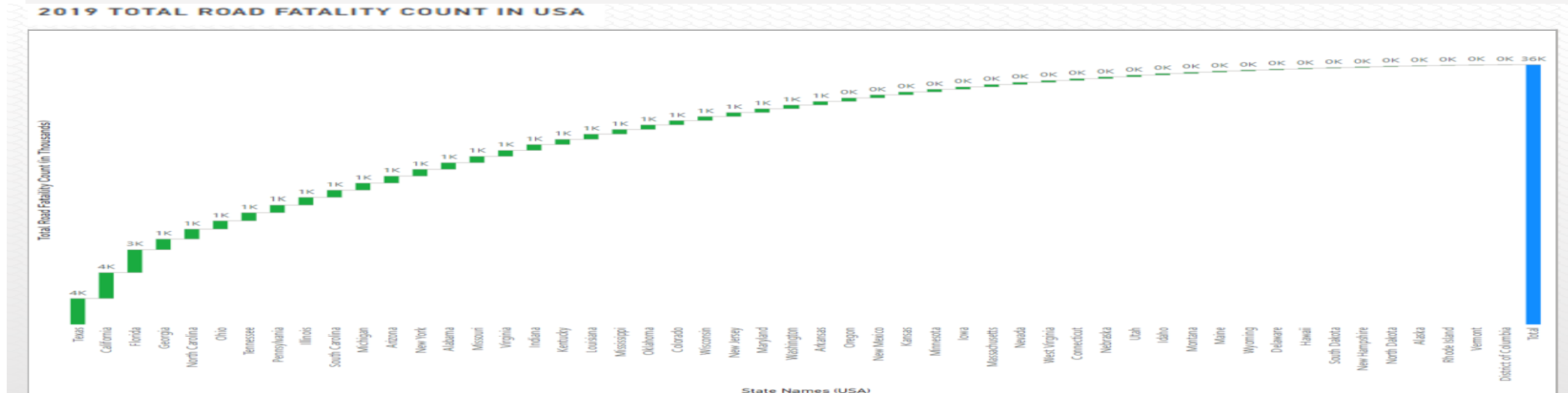
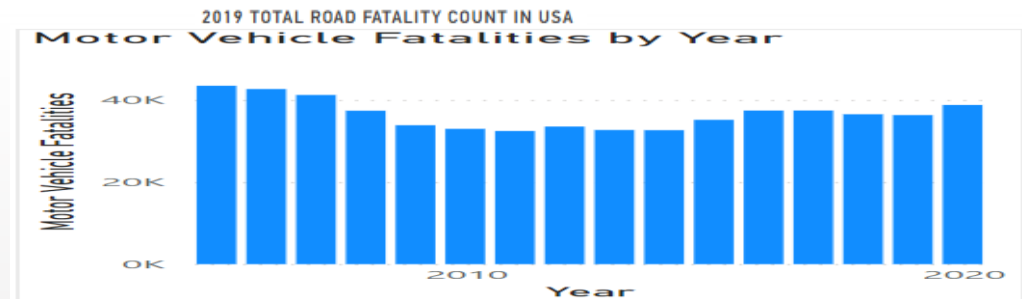
- Only 0.59 Fatality occurred / Million of scheduled flights in 2019
- What other options traveler can consider?
- Review Road travel data in next slide

FATAL ACCIDENT COUNT IN LAST DECADE (PER MILLION FLIGHT)



Road Travel- Data Understanding

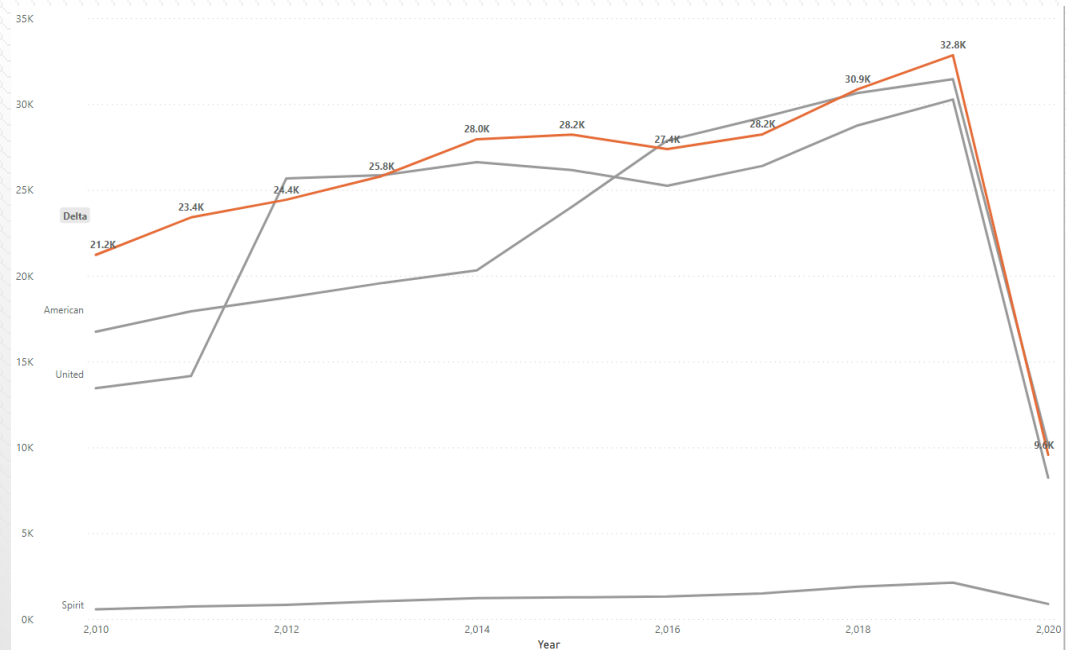
- Total Reported Road travel Fatality in 2019 was 36k
- This number is way higher and not at all comparable to Airline fatalities numbers



Airline Revenue

- During Last Decade Delta was one of the consistently growing Airlines in terms of Revenue.
- During 2020, due to International travel restrictions, all Airline company's revenue declined to a decade low.

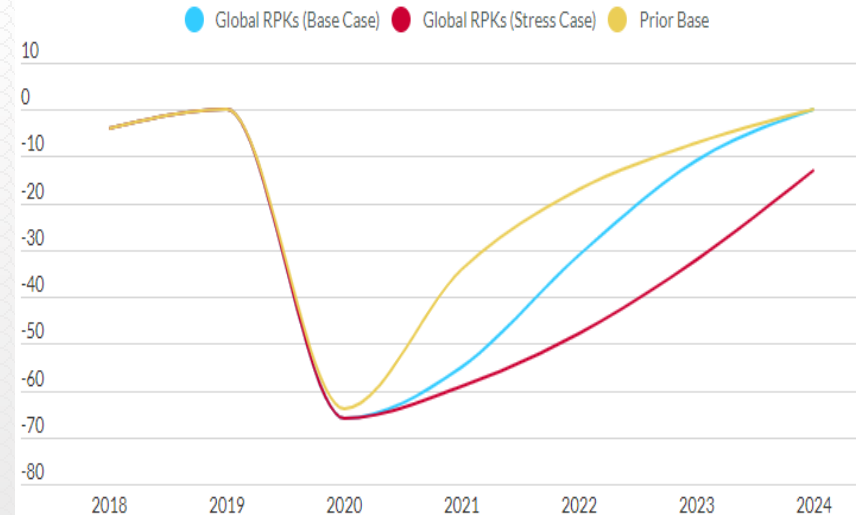
DELTA AIRLINES REVENUE (MILLIONS) BY YEARS



Airline Revenue

- During 2020, due to airline travel restrictions all airline companies revenue declined to decade low
- GRPK picked up in 2021 since all the travel ban was removed
- Management Need to plan for upsizing the fleet capacity

Global Revenue Passenger Kilometers

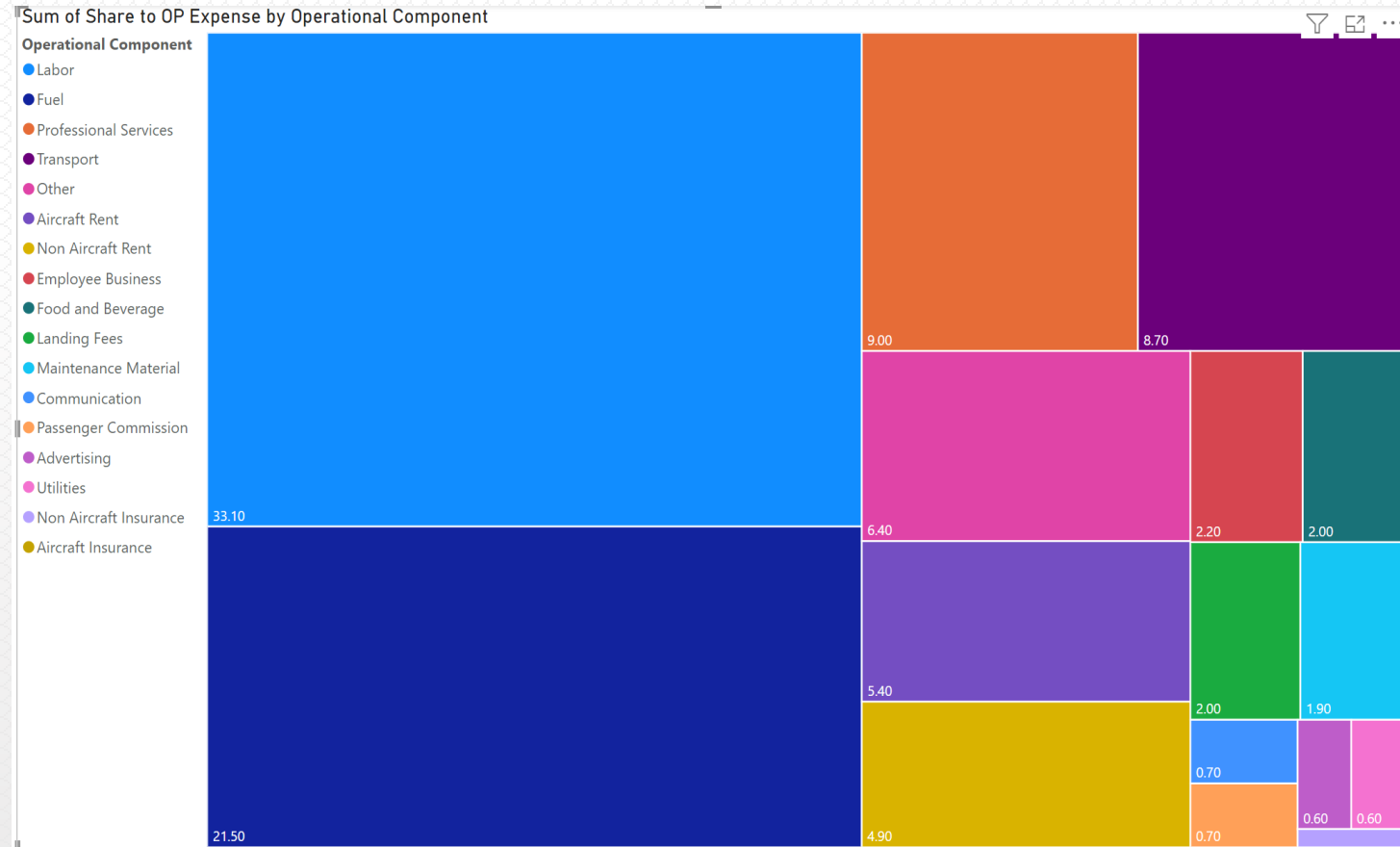


RPK - Revenue passenger kilometers.

Source: Fitch Ratings

Costing Pressure

- Post Covid, Inflation is Impacting Airline Operating Cost
- Chart Showing the Updated Operational Components cost in percentage for Q4-2023
- Management need to focus on controlling Operation cost by promoting more automation in operations



Conclusion

- Airline reported Fatality (worldwide) was way less & not comparable than the total ground fatality reported alone in the USA
- Management need to focus on controlling Operation cost by promoting more automation in operations
- Management Need to plan for upsizing the fleet capacity

References and Legal/Ethical Aspects

Legal/Ethical

- During our Analysis we haven't used any PII data
- All Data Sets are extracted from Public Websites.
- Used Datasets have no restrictions for Academic usage
- All used Datasets are Shared by respective government bodies for public benefits
- We have listed the data source details with respectively associated graphs in each slide

References

- https://docs.google.com/spreadsheets/d/1SDp7p1y6m7N5xD5_fpOkYOrJvd68V7iy6etXy2cetb8/edit?gid=1448957446#gid=1448957446
- <https://www.nhtsa.gov/data>
- <http://web.mit.edu/airlinedata/www/2020%2012%20Month%20Documents/Traffic%20and%20Capacity/System%20Total/Passenger%20Revenue%20--%20Total%20System%20Operations.htm>
- <https://www.airlines.org/dataset/a4a-quarterly-passenger-airline-cost-index-u-s-passenger-airlines/>