# Arline Safety Executive Summary

Goal of this exercise is to prepare a presentation for executive summary related to airline safety.

## Data Sources:

1. Main data: Airline Safety

Data for 56 airlines that were in the global top 100 as of December 2012 and which have operated continuously since Jan. 1, 1985.

|  |  |
| --- | --- |
| **Column** | **Details** |
| airline | Airline (asterisk indicates that regional subsidiaries are included) |
| avail\_seat\_km\_per\_week | Available seat kilometers flown every week |
| incidents\_85\_99 | Total number of incidents, 1985–1999 |
| fatal\_accidents\_85\_99 | Total number of fatal accidents, 1985–1999 |
| fatalities\_85\_99 | Total number of fatalities, 1985–1999 |
| incidents\_00\_14 | Total number of incidents, 2000–2014 |
| fatal\_accidents\_00\_14 | Total number of fatal accidents, 2000–2014 |
| fatalities\_00\_14 | Total number of fatalities, 2000–2014 |

Data Details:

1. Supplemental data: Auto Fatalities

Data showing number of people killed and injured in fatal collisions.

|  |  |
| --- | --- |
| **Colum** | **Details** |
| Year | Year of incident |
| Killed | Number of fatalities |

Data Details:

1. Supplemental data: Airline Fatalities

Data showing number of people killed in fatal crashes.

|  |  |
| --- | --- |
| **Column** | **Details** |
| Year | Year of incident |
| Fatalities | Number of fatalities |

Data Details:

1. Supplemental data: Combined Fatalities

Data showing the number of people killed due to both auto and airline crashes in an year.

|  |  |
| --- | --- |
| **Column** | **Details** |
| Year | Year of incident |
| Fatalities | Number of fatalities |
| Category | Category of the crash - airline/auto |

Data Details:

1. Supplemental data: Compare 1981-2020.xlsx

Data showing the number of people killed due to both auto and airline crashes in an year.

Data Details:

|  |  |
| --- | --- |
| **Column** | **Details** |
| Years | Category of the year, either 1981-2000 or 2001-2020. |
| Airline Fatalities | Number of fatalities due to air travel |
| Auto Fatalities | Number of fatalities due to road travel |

## Blog Post Details:

### Overview:

I have used blogger to prepare the blog post. I have considered the primary goal to show the trend of the airline crashes to show that the airline travel is safe today compared to early days of airline travel. I have also used auto crash data to show how low the airline crash fatalities are compared to the auto crash fatalities.

I have uploaded the offline version of blog post as well for quick reference.

I have referred to several federal sites to get the information about the fatalities in different modes of transportation also to get more details around the current monthly stats for number of passengers and number of airlines active today. I have considered numbers from January 2020 to get the true picture before the COVID-19 situation.

## References:

* airline\_fatalities.xlsx - Downloaded from <http://www.baaa-acro.com/statistics/death-rate-per-year>, found from one of the supporting links provided.
* auto\_Fatalities.XLS - Downloaded from <https://cdan.nhtsa.gov/SASStoredProcess/guest>, found from one of the supporting links provided.
* <https://www.tsa.gov/coronavirus/passenger-throughput?page=1>
* <https://www.faa.gov/air_traffic/by_the_numbers/>
* <https://www.bts.gov/content/air-passenger-travel-departures-united-states-selected-foreign-countries-thousands>
* https://data.bts.gov/Research-and-Statistics/Monthly-Transportation-Statistics/crem-w557