# Airlines Safety

Executive summary presentation is intended for executives in the company. It talks about air travel safety.

First slide talks about how airline fatalities compare to car crashes and other transportation fatalities. It gives fair and quick idea about how these fatalities compare to each other. These statistics clearly show air travel has less fatalities in year 2017 than other types. I used airlines data from afar.com(a popular travel site) and rest of the data from [National Transportation Safety Board](https://www.ntsb.gov/investigations/data/pages/data_stats.aspx). I included bar chart to highlight the significant difference in fatalities among these different transportation types.

There were significantly more airline fatal accidents in 1985-99 compared to 2000-14 timeframe. There is almost 70% drop in fatal accidents in 2000-14 timeframe, it could be due to advancement in technology and improved safety measures. It basically infers that air travel is becoming safer with advancement of time and technology. I used horizontal bar chart to show the difference in number of accidents between the two timeframes.

Next chart is about fatalities. The graph has Top 5 airlines with most fatalities in 2000-14 and their fatalities in prior period (1985-19). Kenya airlines had most fatalities in 2000-14 where as China airlines had fatalities in both the timeframes. Data tells us that airlines operated by first-world countries did not have many fatalities. About only 5% of total fatalities are caused by first-world airlines.

According to fortune.com article, which is based on National Safety Council data, Americans have a 1 in 114 chance of dying in a car crash. The chances of dying in air and space accidents are 1 in 9,821. So, we can conclude air travel is safe.

References:

[1] <https://fortune.com/2017/07/20/are-airplanes-safer-than-cars/>

[2] <https://fivethirtyeight.com/features/should-travelers-avoid-flying-airlines-that-have-had-crashes-in-the-past/>