Fatal Accident by Airlines for 2000 and after 2000

● Sum of fatal_accidents_00_14   ● Sum of fatal_accidents_85_99
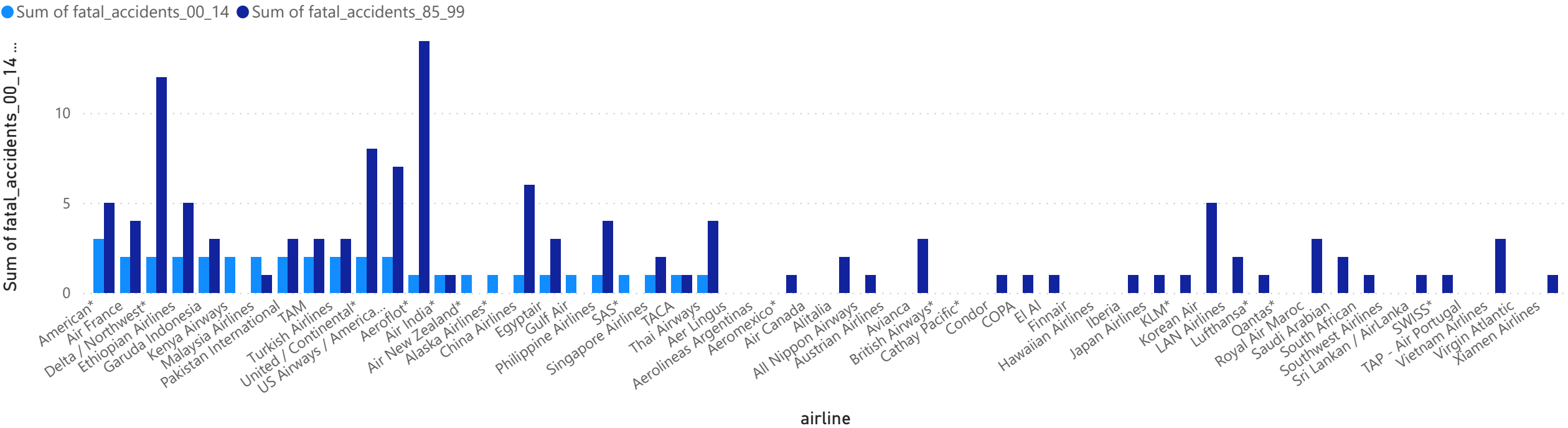

If we do analysis on the number of fatal accident that happened from 1985 to 1999 and 2000 to 2014 and plot them as side by side bar diagram for different air lines, we can see in the diagram that fatal accident rates are quite high before 2000 and it got reduced from 2000 to 2014. Also it should be noted that not all the airlines have high fatal accident rate, there are very few airlines which is showing extremely high fatal accident rate.

Fatalities by Airline before and after 2000

● Sum of fatalities_00_14 ● Sum of fatalities_85_99
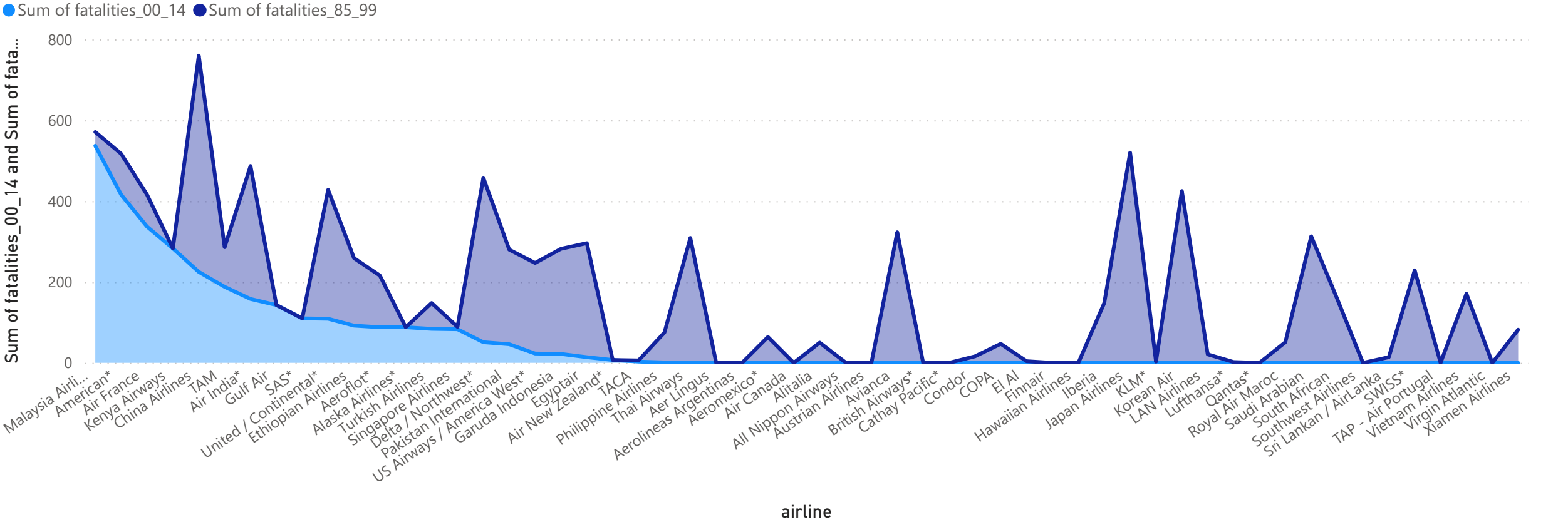
In this diagram comparison, we are comparing the fatalities before 2000 (1985 - 1999) and after 2000 (2000 - 2014), if we closely look at the diagram, for different airlines before 2000 fatalities are quite high, but after 2000 there is a pattern that shows fatalities are comparatively less for most of the airlines, Malaysian Airline and other few airlines are some of the exceptions.

Count of Fatalities by Aircraft Type
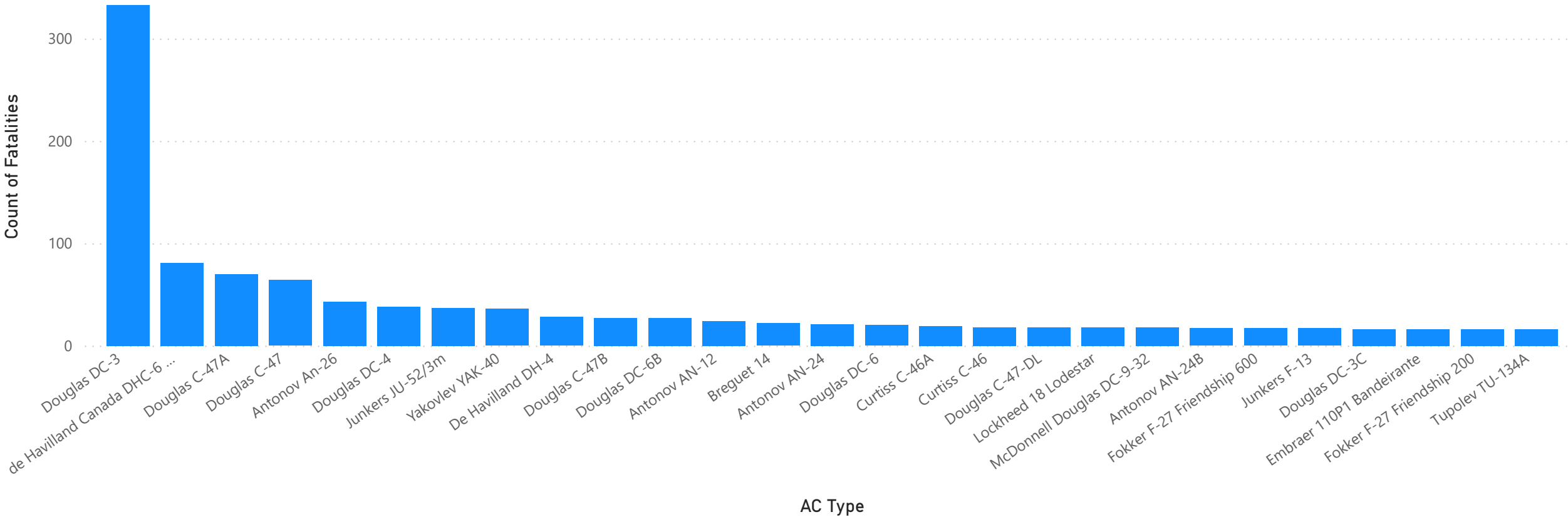
Here in this diagram, we have presented the fatalities by different Air Craft type. Not all type of aircraft faces accident and fatality, as per the diagram above Douglas DC-3 is one of the special aircraft that has been used during Word War II have history for high fatality rate. Below is the wikipedia page regarding this aircraft type.

https://en.wikipedia.org/wiki/Douglas_DC-3

Sum of incidents_00_14 and Sum of incidents_85_99
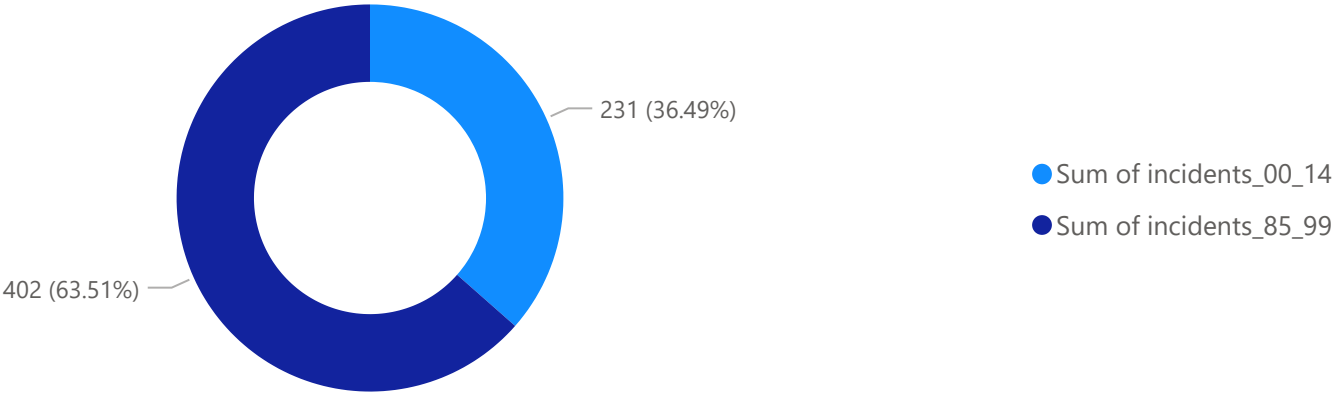
Donut Diagram for incidents before and after 2000

231 (36.49%)

402 (63.51%)

● Sum of incidents_00_14
● Sum of incidents_85_99

He is one of the donut pie diagram that compares the incident before 2000 and after 2000, looking at the diagram we can clearly say that the incident rates were quite high before 2000 and it reduced after 2000.

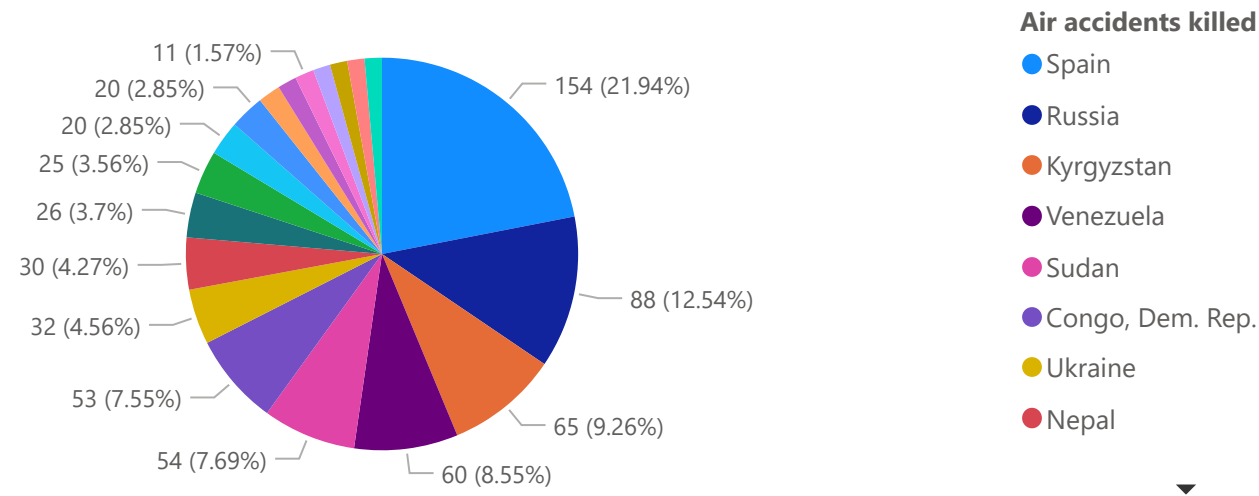## Count of Fatalities by Year
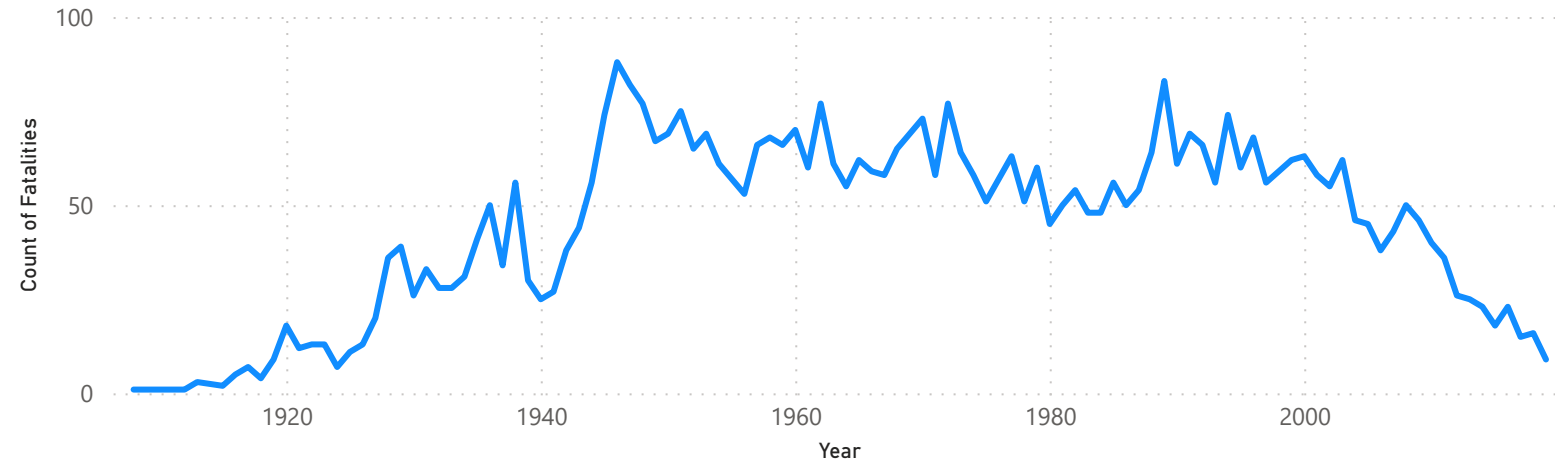
This represent the line diagram of fatalities compare to year, if we analyze the diagram it clearly says that fatality got reduced a lot from 2000 onwards.

Count of Fatalities by Route
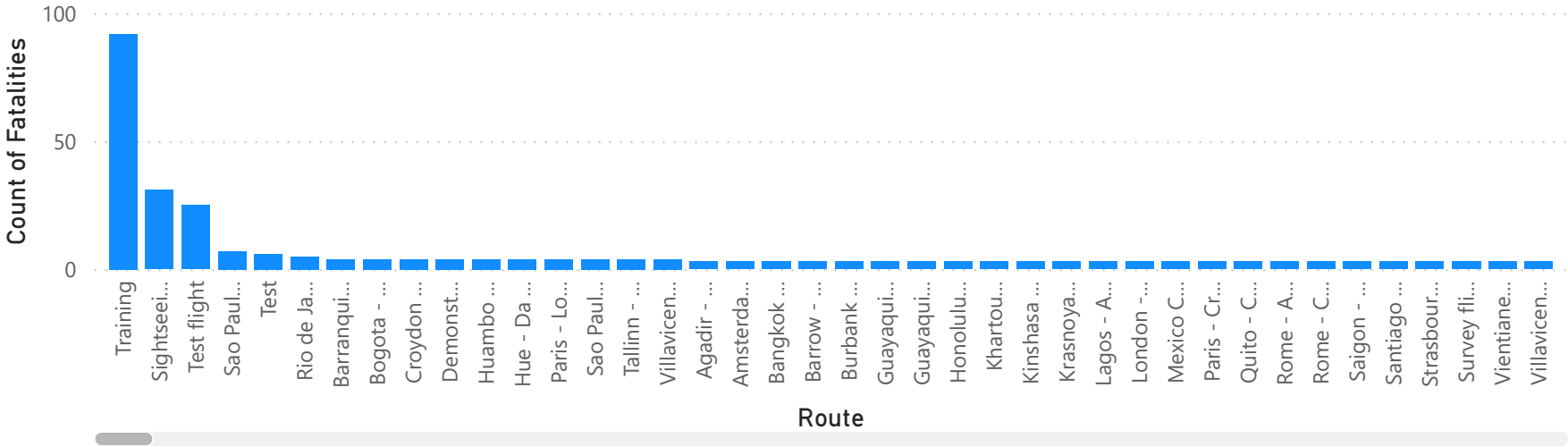
I have tried to create the bar diagram for fatalities for different route, what came up is quite interesting, if we see the diagram the training routes are having maximum number of fatalities compare to other general routes.

PIE Diagram for Air Accidents for different countries from 2004 to 2008

Air accidents killed
- ● Spain
- ● Russia
- ● Kyrgyzstan
- ● Venezuela
- ● Sudan
- ● Congo, Dem. Rep.
- ● Ukraine
- ● Nepal

This is one of the data, I have taken from Data.World where it shows the frequency for person killed by accidents for different countries. I have taken 5 year data from 2004 to 2008 and put them in Pie Chart for 'killed' frequency in air accidents. Spain and Russia are the only countries which shows high fatality rate for air accidents, other country frequencies are quite low compared to these two countries.