I have created a dashboard in Power BI and did some analysis on Airline Accident data, the accident happened prior to 2000 was high, it got reduced a log after 2000, Also several accidents happened in different countries, not all the countries have the same accident rate. Aircraft also plays an important role while accident. All my dashboard analysis details are present below.

Fatal Accident by Airlines for 2000 and after 2000

If we do analysis on the number of fatal accidents 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.

Sum of fatalities\_00\_14 and Sum of fatalities\_85\_99 by airline

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 types 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

He is one of the donut pie diagrams 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 represents 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 routes, 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 for 2008

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 2008 data 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.