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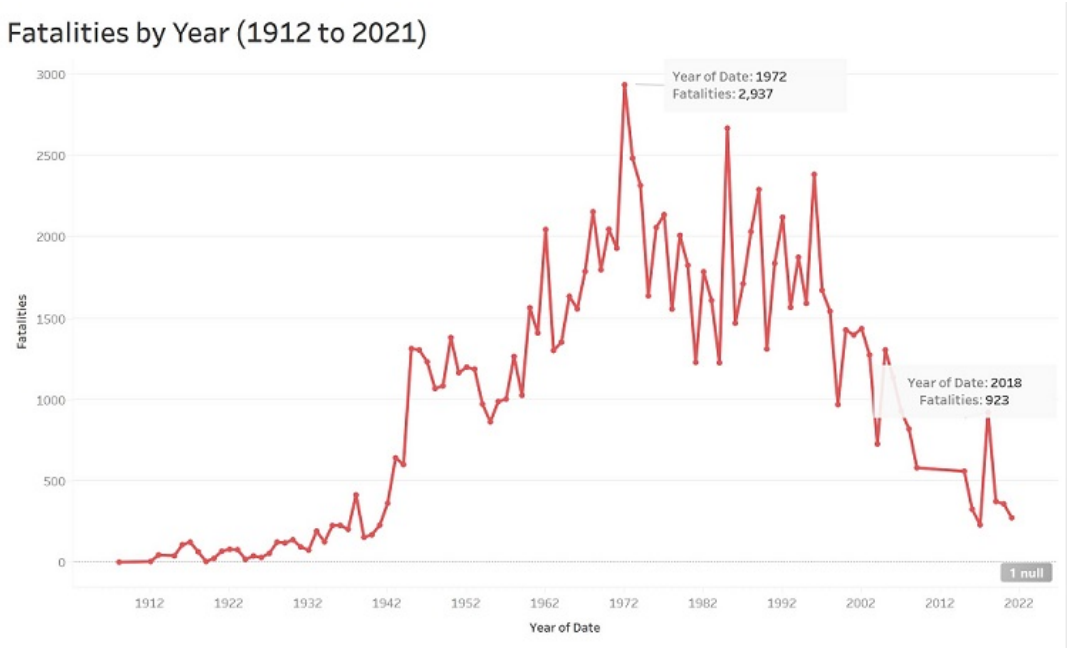
Title : Airline Fatalities in different Passenger flights.

Transportation role is to provide or improve access to different places around world for personal or businesses. We have different transportation means like road, rail, marine and aviation. Accidents (or incidents) can occur in any type of transportation and can result in fatalities. Any transportation management has to take precautions to predict accidents and take necessary steps to prevent accidents in future.

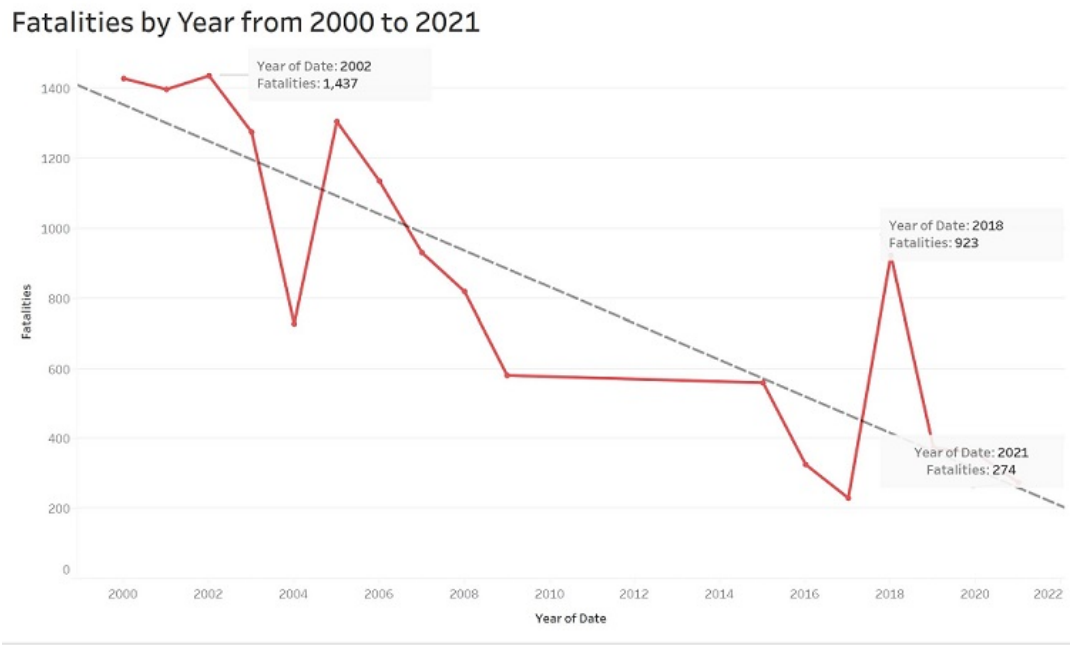
In this blog I would like to discuss some research points on the Airline Fatalities in different passenger flights. I would like to discuss about the aircrafts that are involved in more fatalities and the phase of the flight where more fatalities are recorded.

Airline fatalities have been more during the past decades when compared to the recent ten years , all this is because of the advanced technologies being implemented in the aviation industry.

Let's see the Airline fatalities from 1912 to 2021.



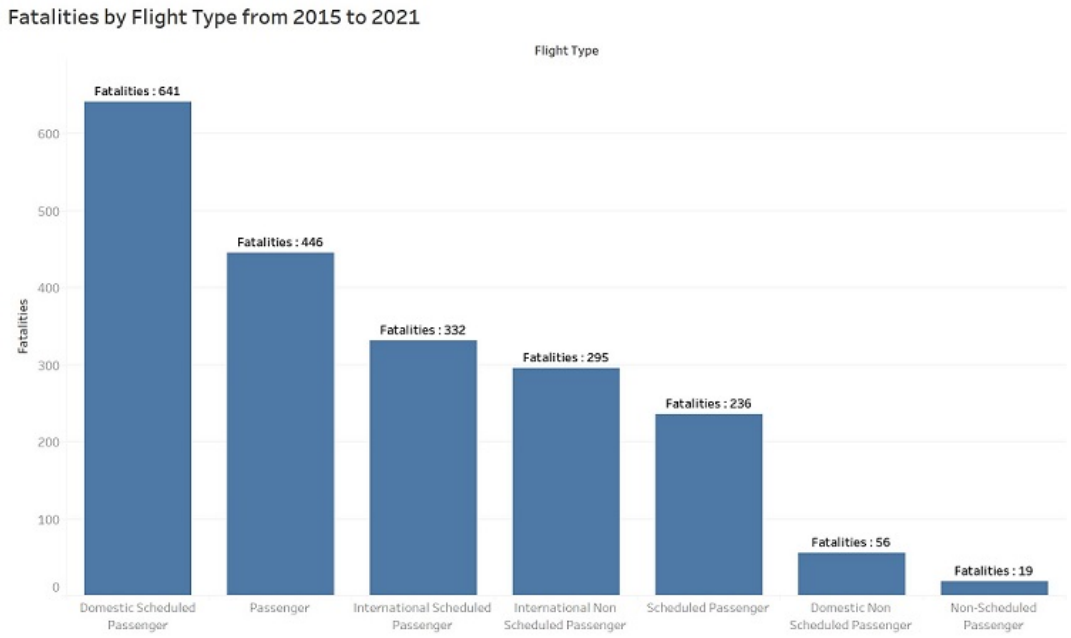
Let's have a look at the airline fatalities trend from 2000 to 2021.



In the above graph we can see that the trend in the airline fatalities has been decreasing. We can see that the fatalities recorded more in the year 2018.

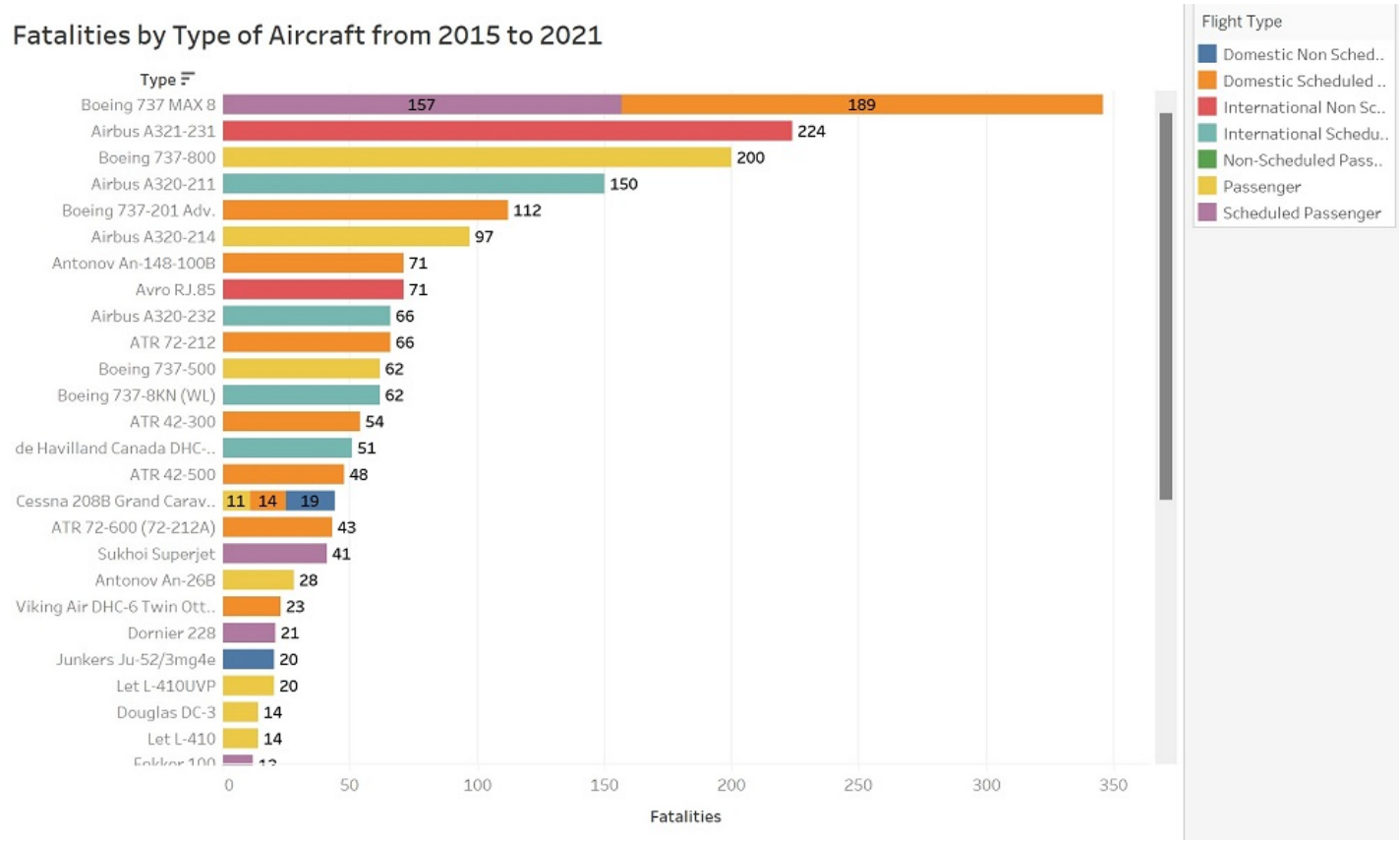
The number of fatalities in the Airlines recorded has different types of flights in the aviation industry. The highest number of fatalities are see in the Military flights and the second highest number of fatalities are seen in the Domestic Scheduled Passenger flights, Domestic Non Scheduled Passenger Flights, International Scheduled and non Scheduled Passenger flights, Scheduled and Non Scheduled Passenger Flights.

Among the Passenger flights, let's check which flight type has recorded more number of fatalities.



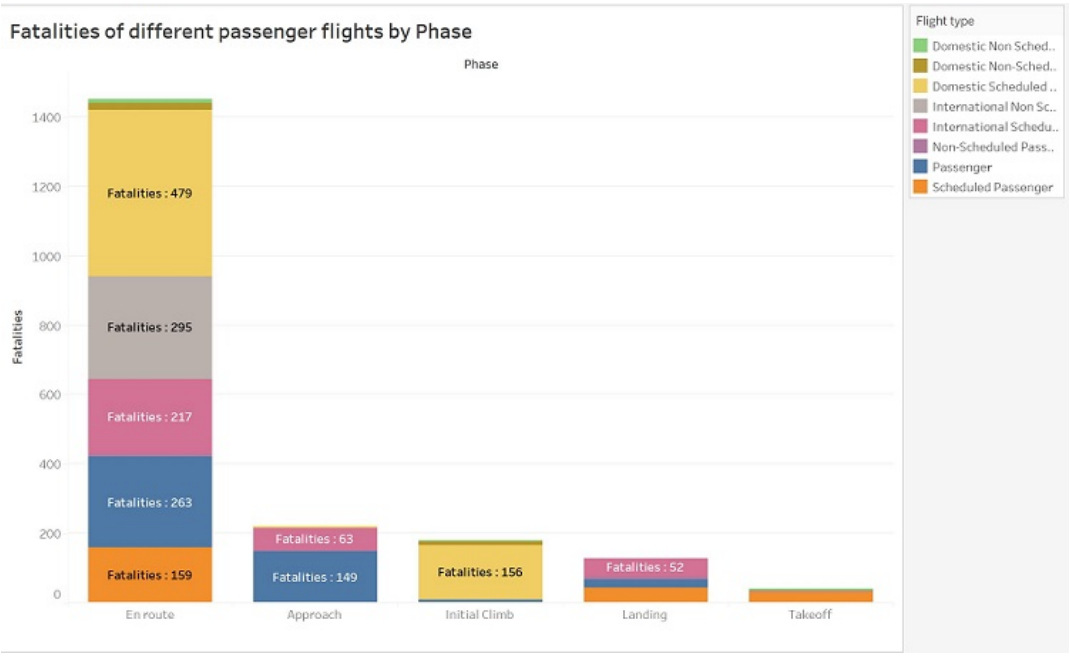
From the above graph we can see that the Domestic Scheduled Passenger flights have recorded more number of fatalities among all the passenger flights. We can see the number of fatalities recorded in the different passenger flights are almost similar. This indicates the area of concern, and taking corrective measures in reducing the number of fatalities in the Passenger flights in future.

The type of aircraft that is involved in the airline incidents resulting fatalities is also seen. The below graph gives the type of aircrafts that are involved recording more number of fatalities.



From the above we can see that Boeing 737 MAX 8, Airbus A321-231, Boeing 737-800 are being involved in the highest fatalities incidents. As we look at the graph the Boeing and Airbus series aircrafts are having more number of fatalities. The aircraft manufacturers have to adopt advanced technologies for improving the functioning of the aircrafts or decommissioning of the respective aircrafts that recorded more fatalities. To avoid future accidents/incidents resulting fatalities, advanced technology and necessary action plans should be implemented by the aircraft manufacturers.

Now that we have seen the aircrafts that are involved in recording more number of fatalities, let's check for the phase of the flight where more fatalities are recorded. The below graph gives the fatalities count by phase of the flight.



We have different phases in the flight journey like En route, Approach, Initial Climb, Landing, Takeoff, Taxing etc. In the above graph we can see that the En route phase has recorded more number of fatalities in the different Passenger Flights type. En route is the phase of flight where the flight from the the termination point of a departure procedure to the origination point of an arrival procedure. The reason for the accidents/ incidents in the En route phase are to be identified and necessary action plans are to be implemented for the safety of the passengers who prefer Air travel.

Conclusion:

Any travel is not safe if the safety rules and preventive measures to avoid accidents/ incidents are not followed. The advancements made by the latest technology makes the Airline travel a safest travel. From the above study of the fatalities recorded in the Airline industry the type of aircrafts and the phase that are involved in the accidents/incidents resulting in the fatalities, are identified. By taking the necessary actions and updating the technologies where ever necessary, helps in avoiding accidents in the future.

Thank you for reading the post.

Note: This is a fictional post submitted as part of the Course assignment.

References:

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