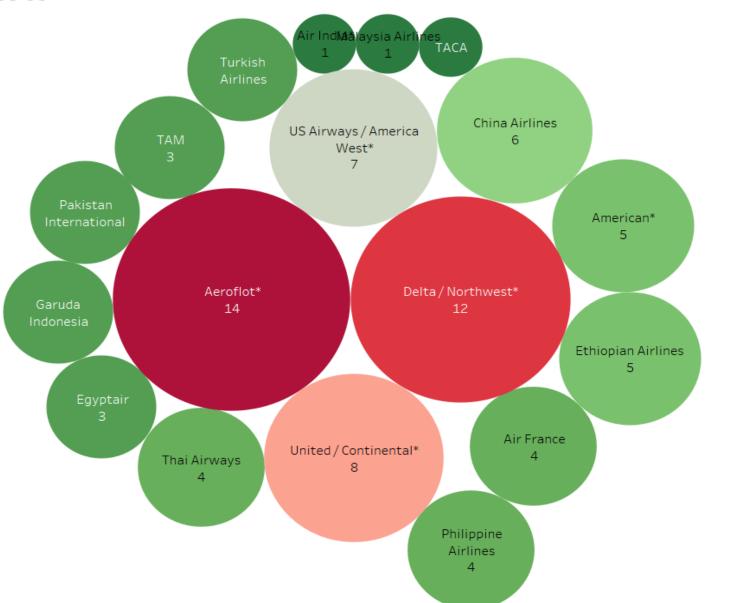
• DSC 640 Project task 2



• Aditya Sumbaraju DSC 640 – Data Presentation & Visualization Professor Catie Williams July 5, 2021



Fatal Accidents 1985-99



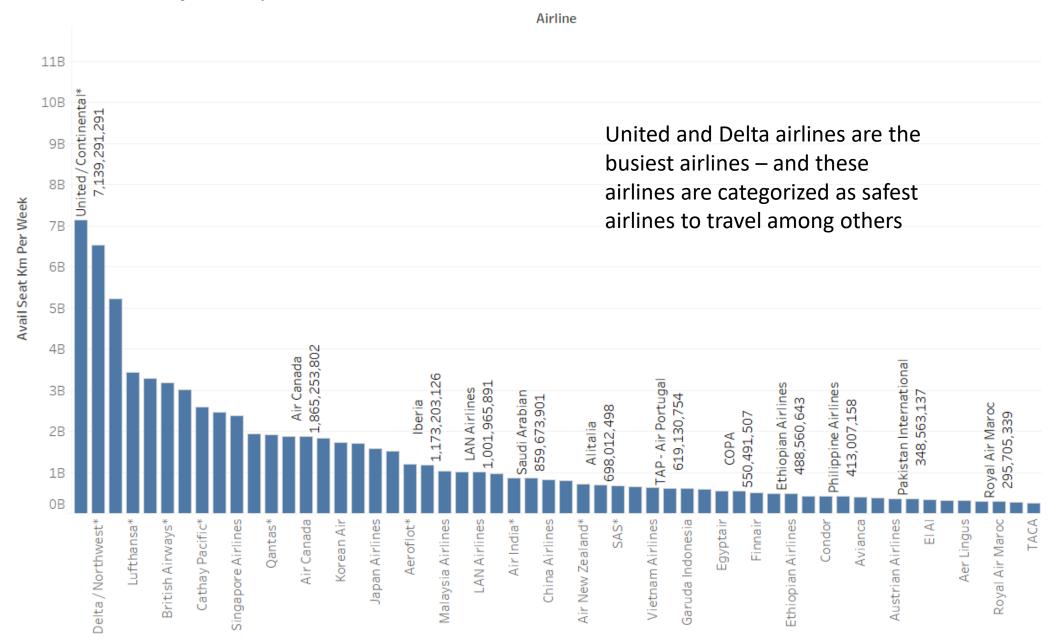


Aeroflot contributes
14 fatalities in period
1985-99. Hence
considered as bad
Airline performer.
American and Air India
are considered as
good Performer in
terms of Passenger
safety.

Fatal Accidents 2000 - 2014

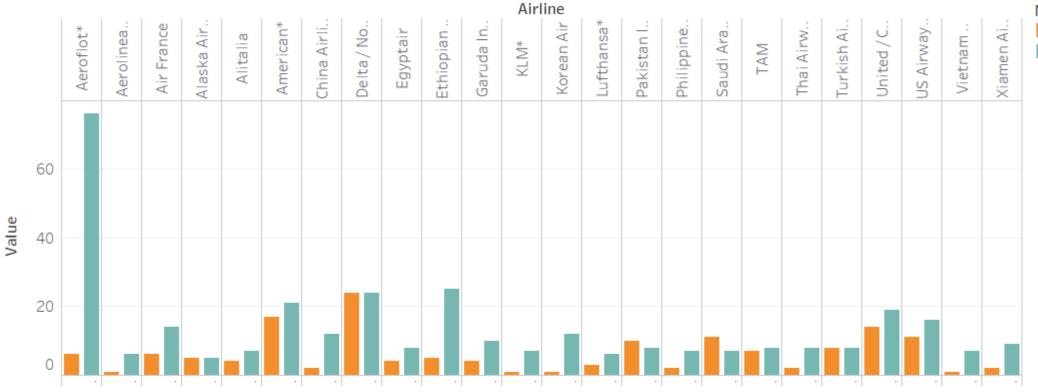
American* 3 Air France	Garuda Indonesia 2 Kenya Airways 2	TAM 2	Turkish Airlines 2		US Airways / America West* 2		United/ Continental* 2		Fatal Accidents 00 0 3 Red indicates – bad performer Green indicates – Good performer
Delta/Northwest*	Malaysia Airlines 2	Aeroflot* 1 Air India* 1		China Airlines 1	Egyptair 1	Gulf A		Philippine Airlines 1	From the heatmap – we can identify that American airlines have contributed for
Ethiopian Airlines 2	Pakistan International 2	Air New Zealand* 1 Alaska Airlines* 1		SAS* 1 Singapore Air 1	lines	TACA 1		Thai Airways 1	the first time. But Aeroflot is still contributing despite of having modern infrastructure

Airline and sum of Fatal Accidents 00 14. Color shows sum of Fatal Accidents 00 14. Size shows sum of Fatal Accidents 00 14. The marks are labeled by Airline and sum of Fatal Accidents 00 14. The view is filtered on sum of Fatal Accidents 00 14, which ranges from 0 to 3.



Sum of Avail Seat Km Per Week for each Airline. The marks are labeled by Airline and Avail Seat Km Per Week as an attribute. The view is filtered on Airline, which keeps 56 of 56 members.

Performance of Airliner w.r.t incidents

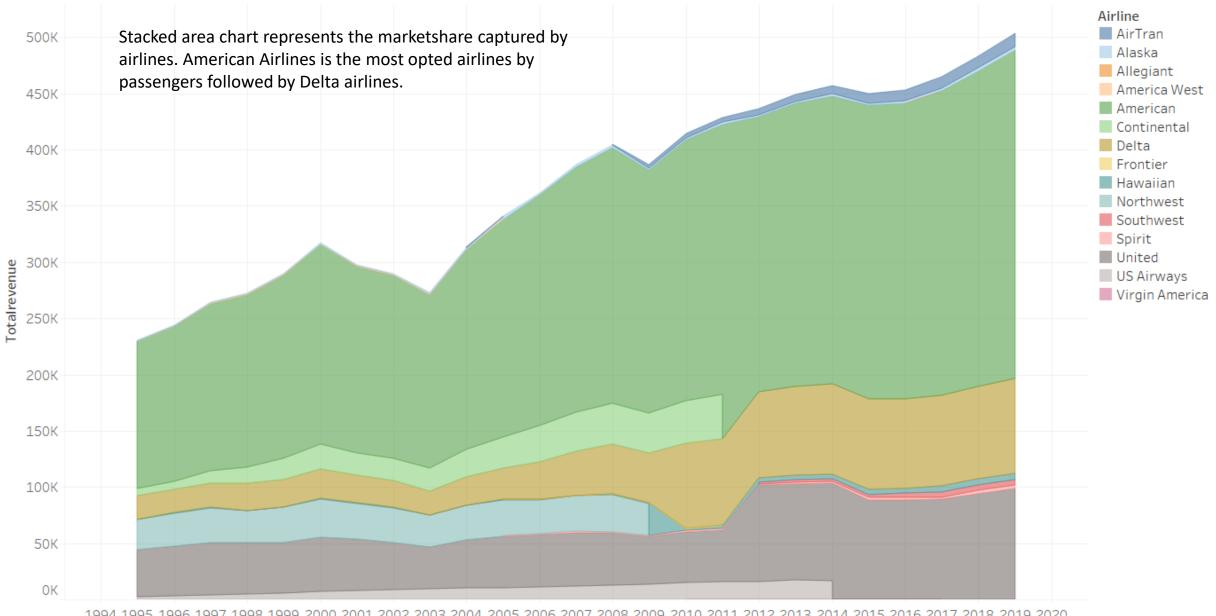


Incidents 00 14 and Incidents 85 99 for each Airline. Color shows details about Incidents 00 14 and Incidents 85 99. The data is filtered on Top 20 Incideneces comaprison, which ranges from 1 to 24.

Measure Names Incidents 00 14 Incidents 85 99

Aeroflot received huge spike in 85-99. KLM, American, Philippine are considered as best airways to travel due to decrease in incidents when compared to previous decade

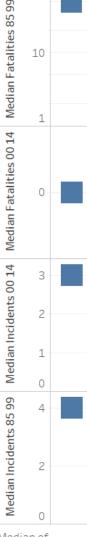
Airline Market Share



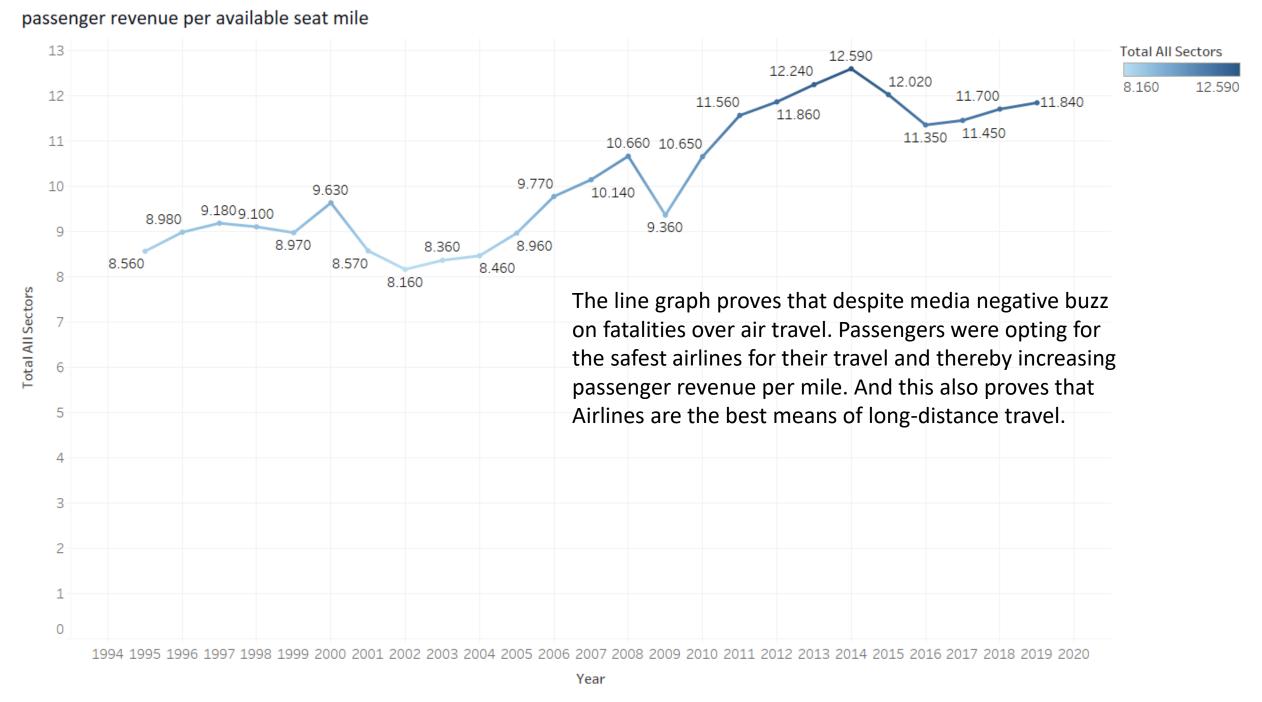
1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020

Year

Median of Fatalities



Median of Fatalities 85 99, median of Fatalities 00 14, median of Incidents 00 14 and median of Incidents 85 99. This plot represents the median values of fatalities and incidents. Median is 0 for fatalities occurred in 2000-14. And it is evident that the fatalities have drastically reduced over a period of time and hence it is safer to travel via airlines.

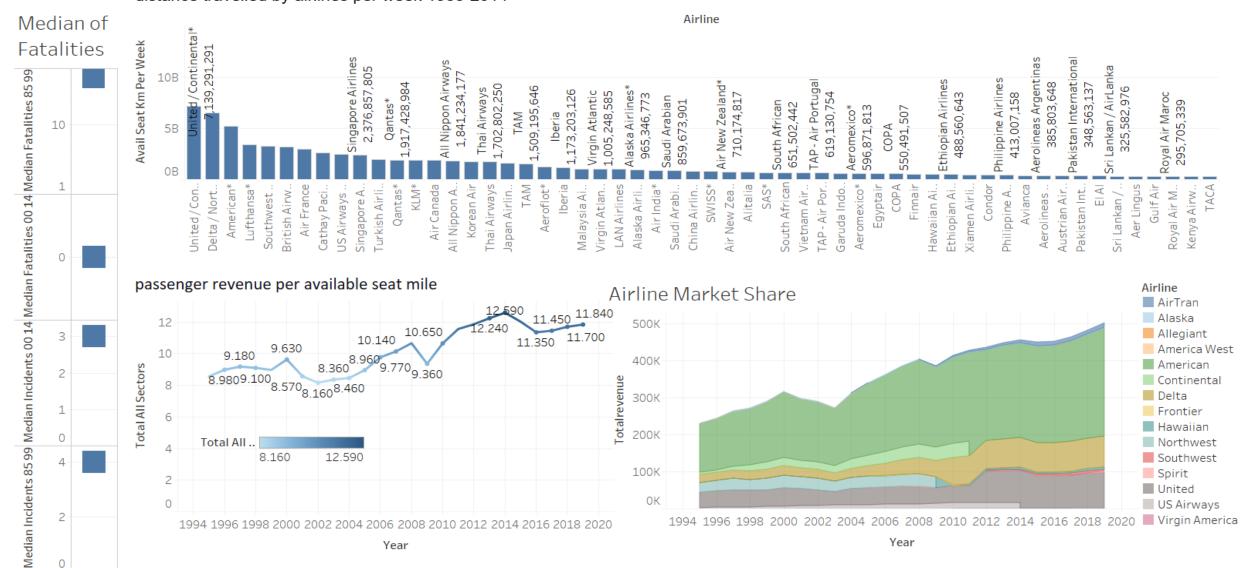


The trend of sum of Total All Sectors for Year. Color shows sum of Total All Sectors. The marks are labeled by sum of Total All Sectors.

Dashboard 1

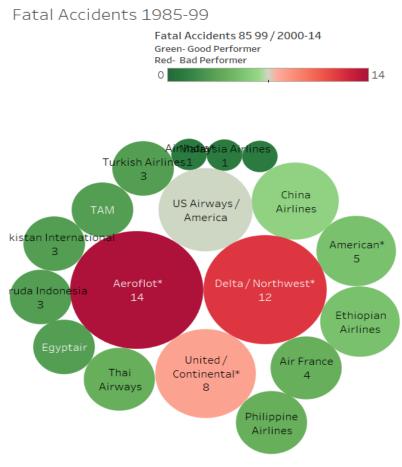
AirLine Performance Dashboard - Miles and Revenue Based

distance travelled by airlines per week 1985-2014

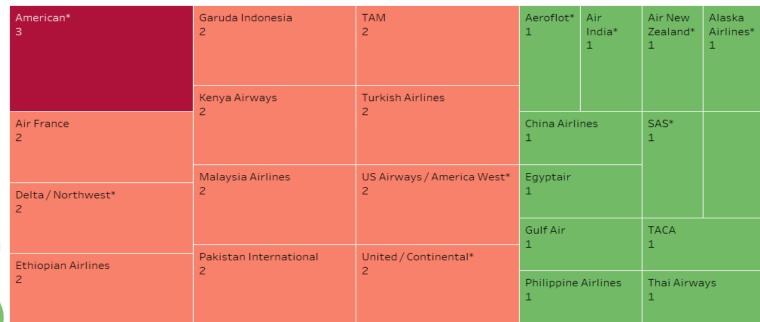


Dashboard 2

AirLine Performance Dashboard - Incidents and Fatal Accidents Based



Fatal Accidents 2000 - 2014



Performance of Airliner w.r.t incidents

