

- **DSC 640 Project task 2**



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DSC 640 – Data Presentation & Visualization
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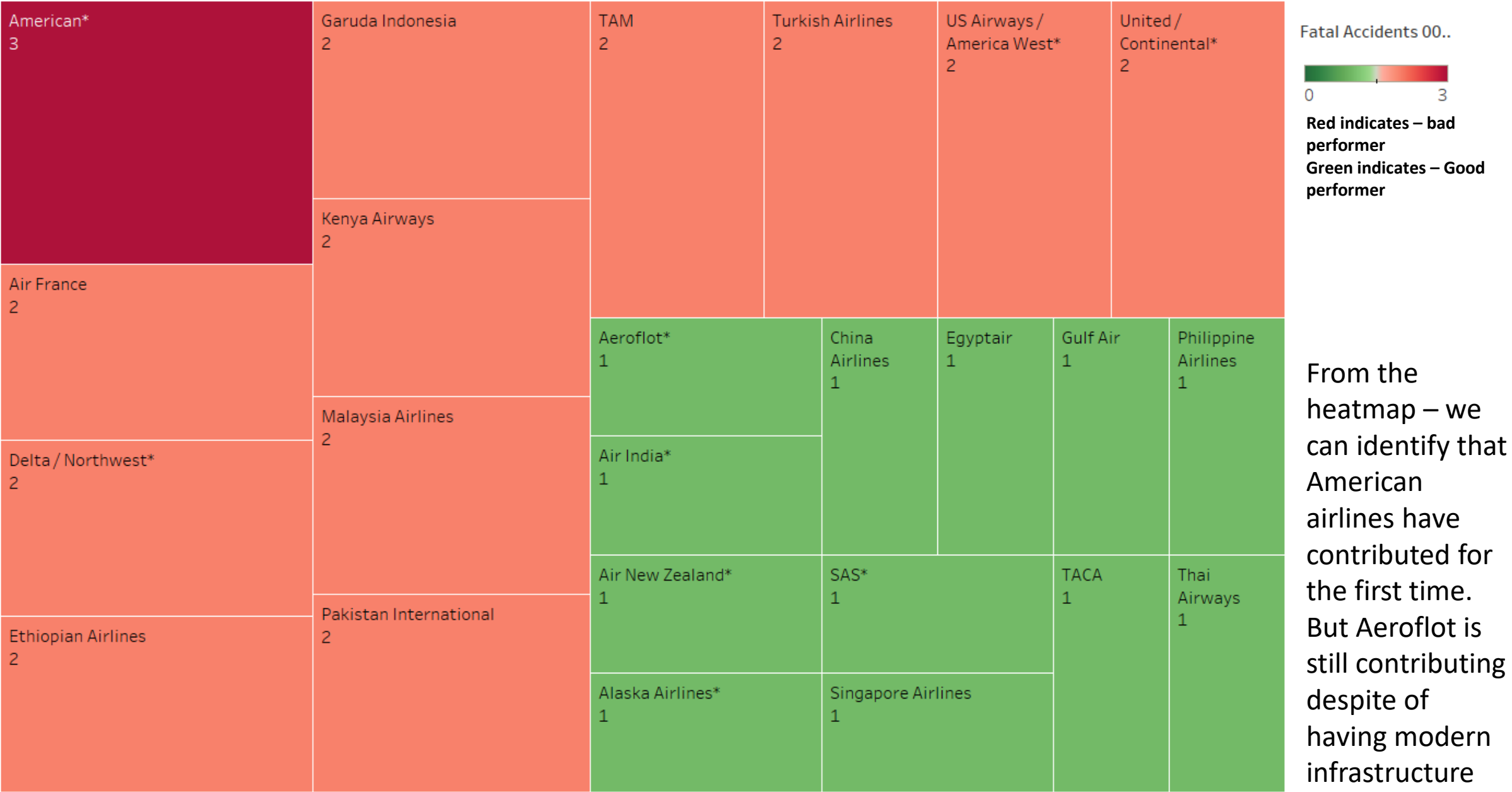
Fatal Accidents 1985-99



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.

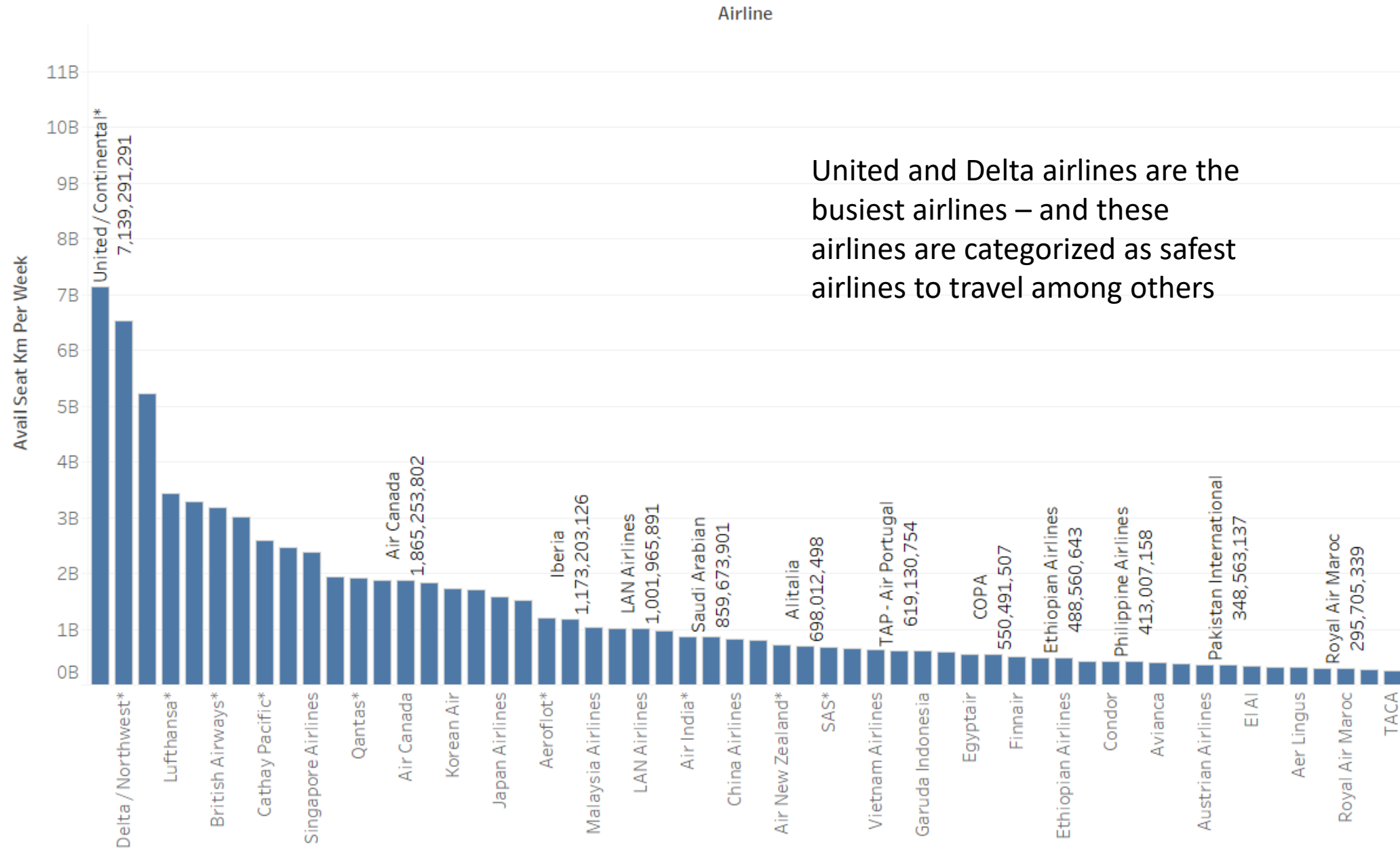
Airline and sum of Fatal Accidents 85 99. Color shows sum of Fatal Accidents 85 99. Size shows sum of Fatal Accidents 85 99. The marks are labeled by Airline and sum of Fatal Accidents 85 99. The data is filtered on sum of Fatal Accidents 00 14, which ranges from 1 to 3. The view is filtered on Airline, which excludes Singapore Airlines.

Fatal Accidents 2000 - 2014



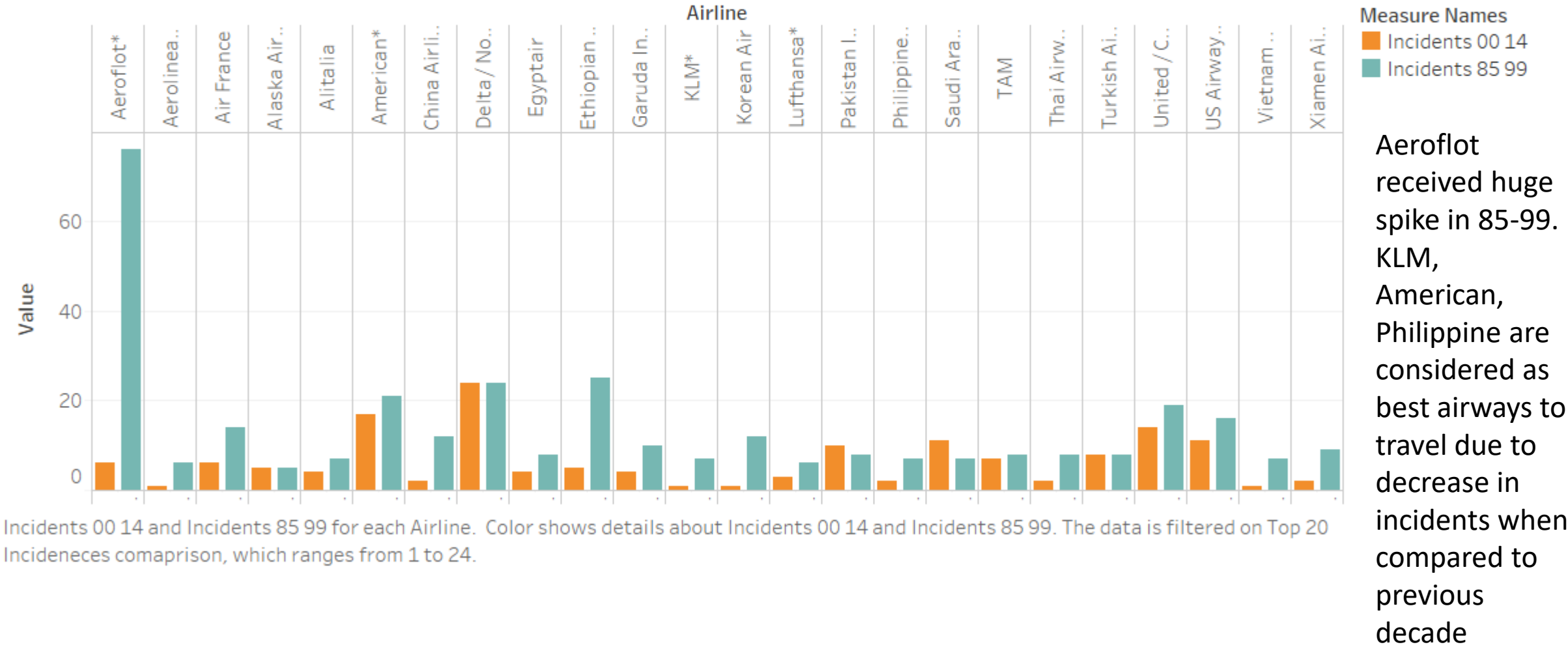
Airline and sum of Fatal Accidents 00 14. Color shows sum of Fatal Accidents 00 14. Size shows sum of Fatal Accidents 00 14. The marks are labeled by Airline and sum of Fatal Accidents 00 14. The view is filtered on sum of Fatal Accidents 00 14, which ranges from 0 to 3.

distance travelled by airlines per week 1985-2014

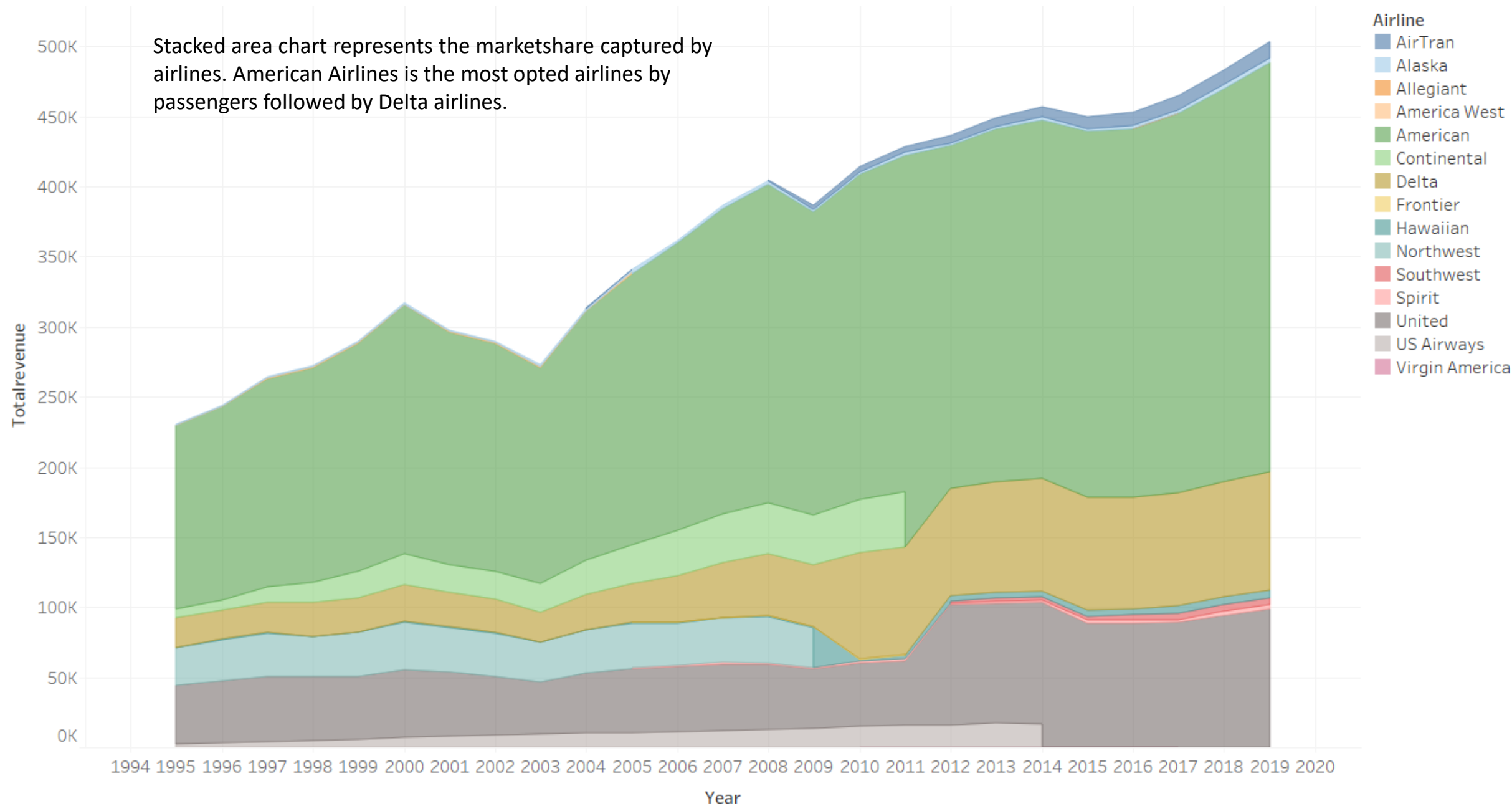


Sum of Avail Seat Km Per Week for each Airline. The marks are labeled by Airline and Avail Seat Km Per Week as an attribute. The view is filtered on Airline, which keeps 56 of 56 members.

Performance of Airliner w.r.t incidents

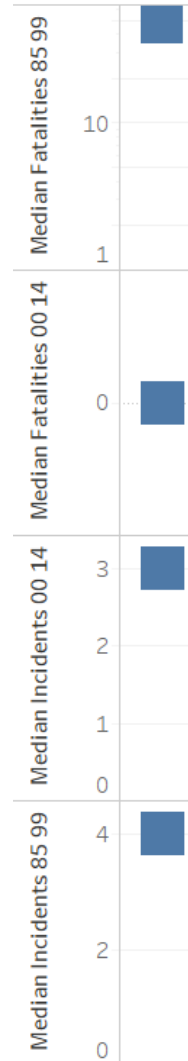


Airline Market Share



The plot of sum of Totalrevenue for Year. Color shows details about Airline. The view is filtered on sum of Totalrevenue, which keeps non-Null values only.

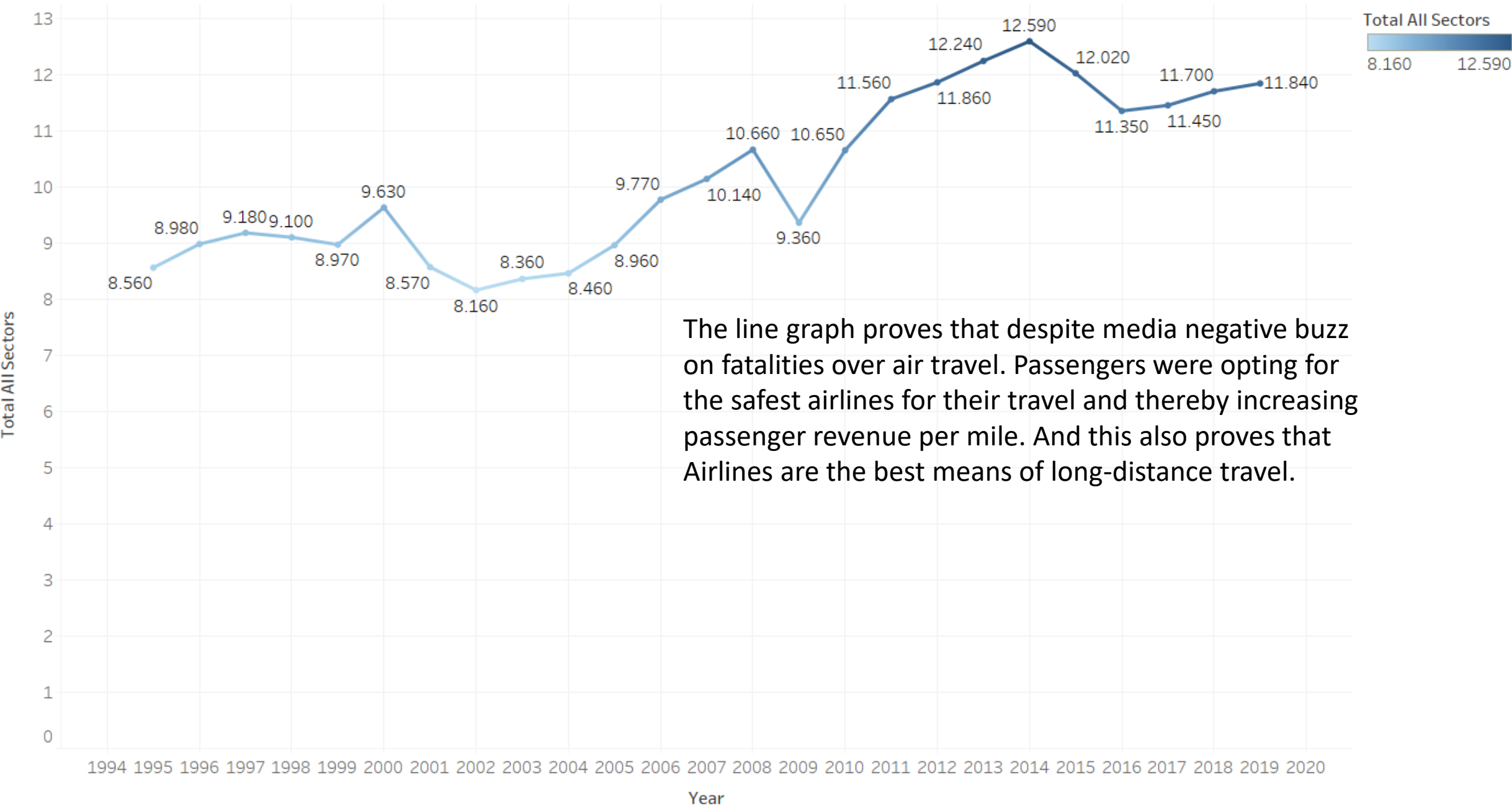
Median of Fatalities



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.

passenger revenue per available seat mile

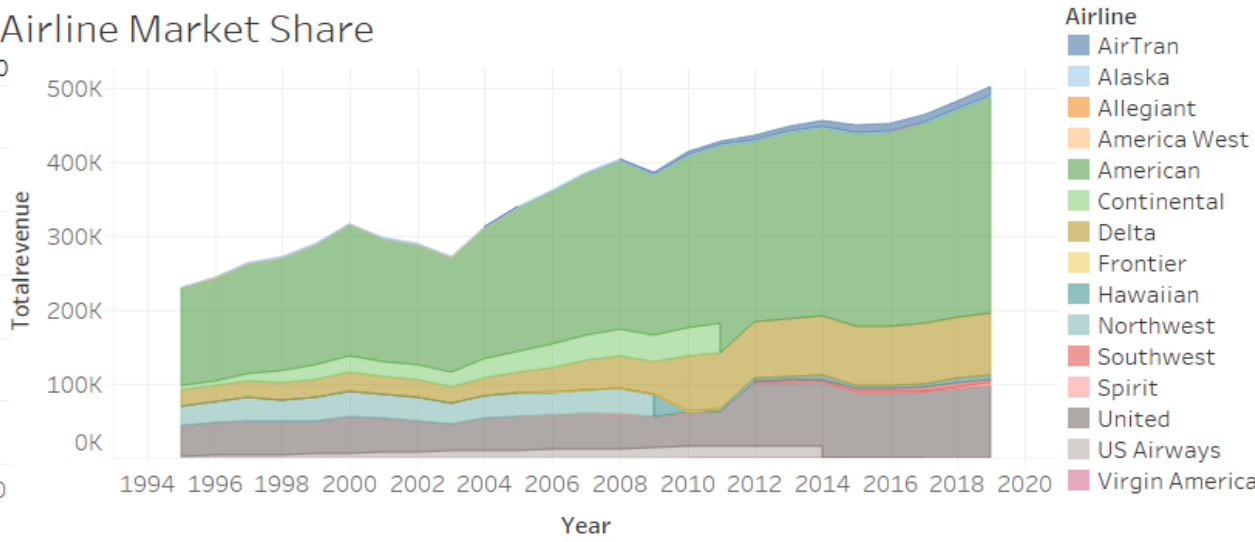
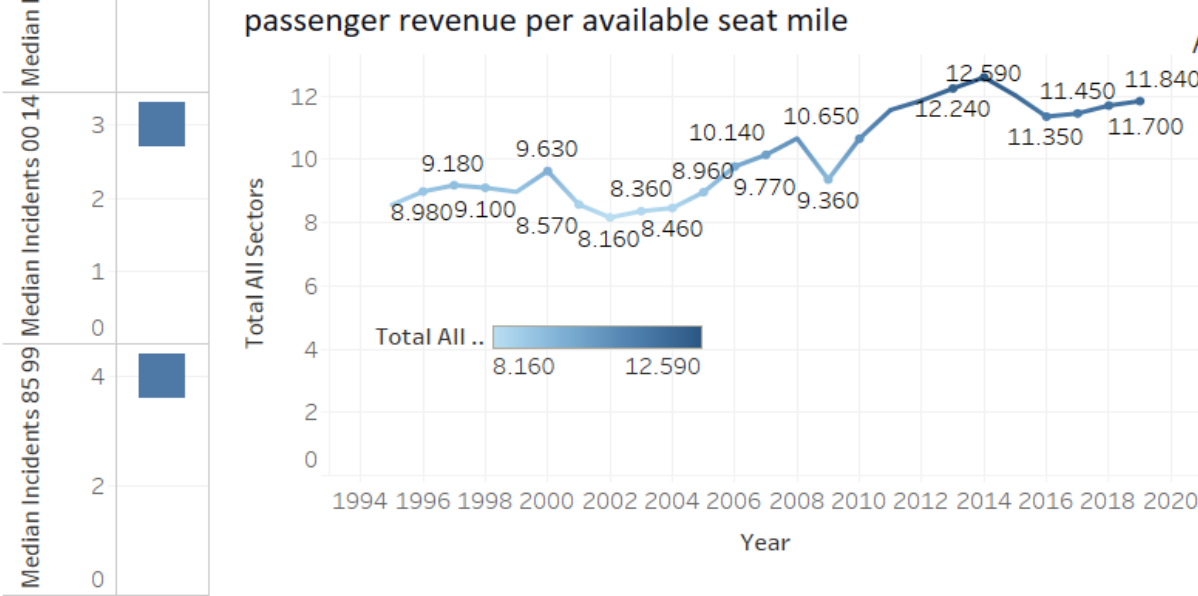
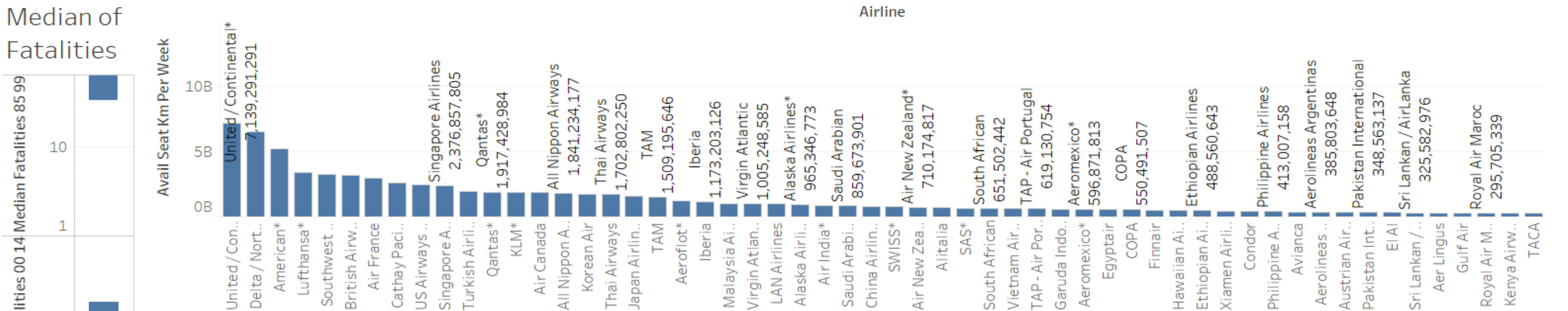


The trend of sum of Total All Sectors for Year. Color shows sum of Total All Sectors. The marks are labeled by sum of Total All Sectors.

Dashboard 1

AirLine Performance Dashboard - Miles and Revenue Based

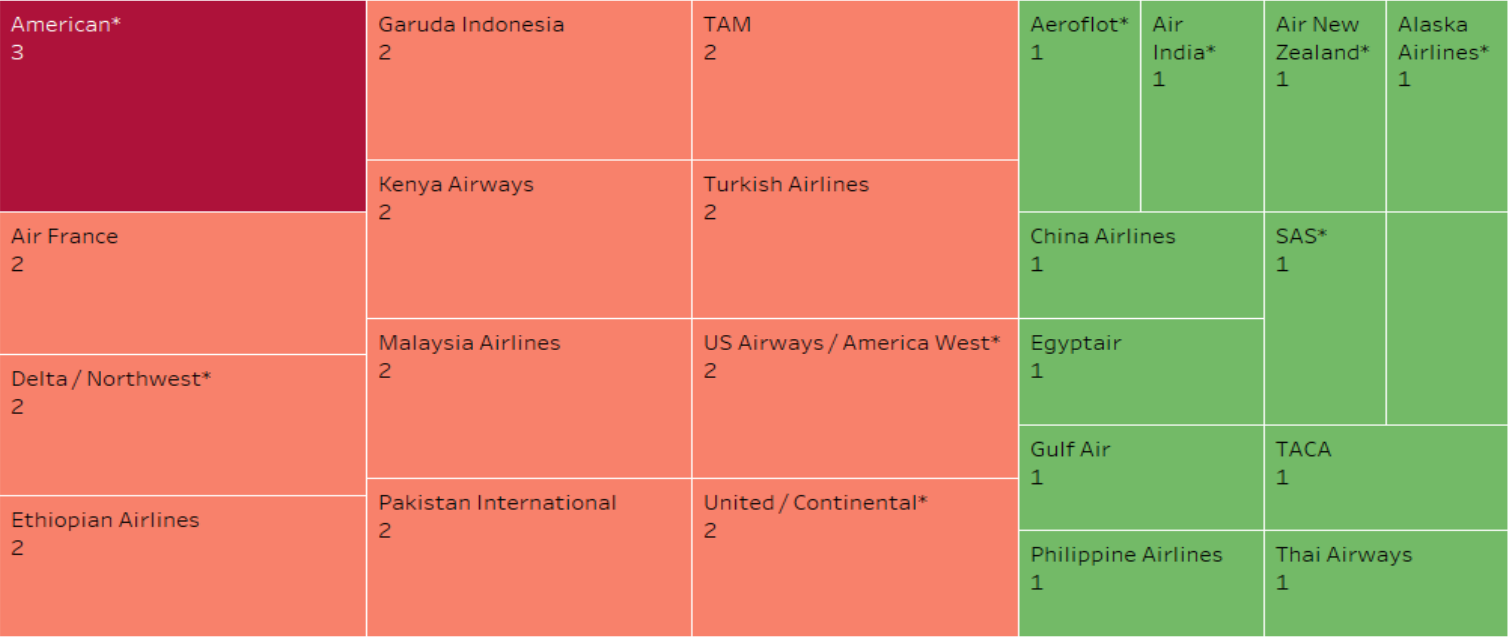
distance travelled by airlines per week 1985-2014



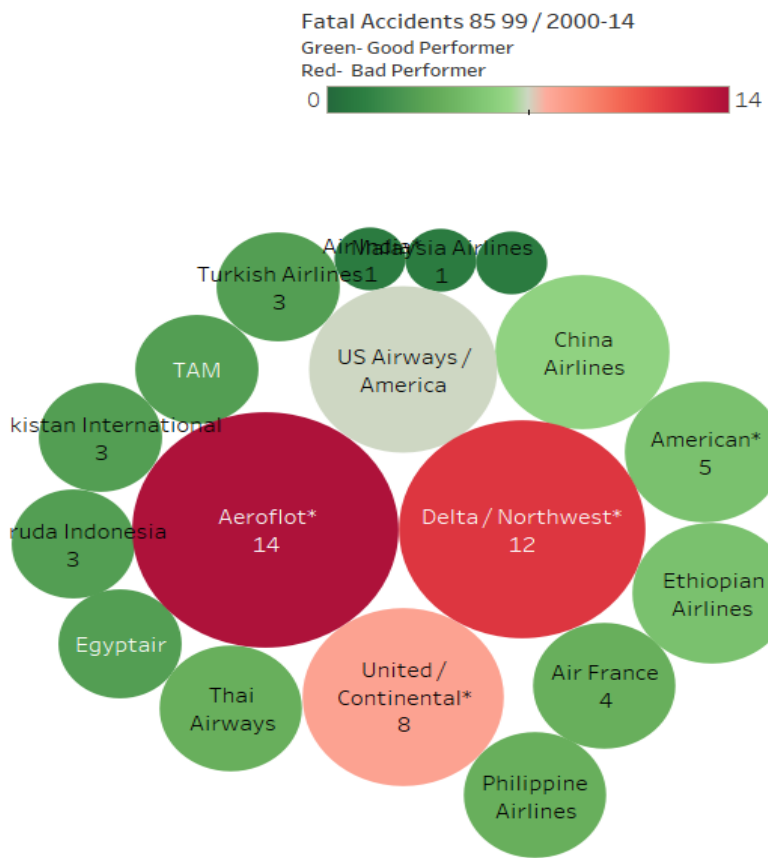
Dashboard 2

AirLine Performance Dashboard - Incidents and Fatal Accidents Based

Fatal Accidents 2000 - 2014



Fatal Accidents 1985-99



Performance of Airliner w.r.t incidents

