



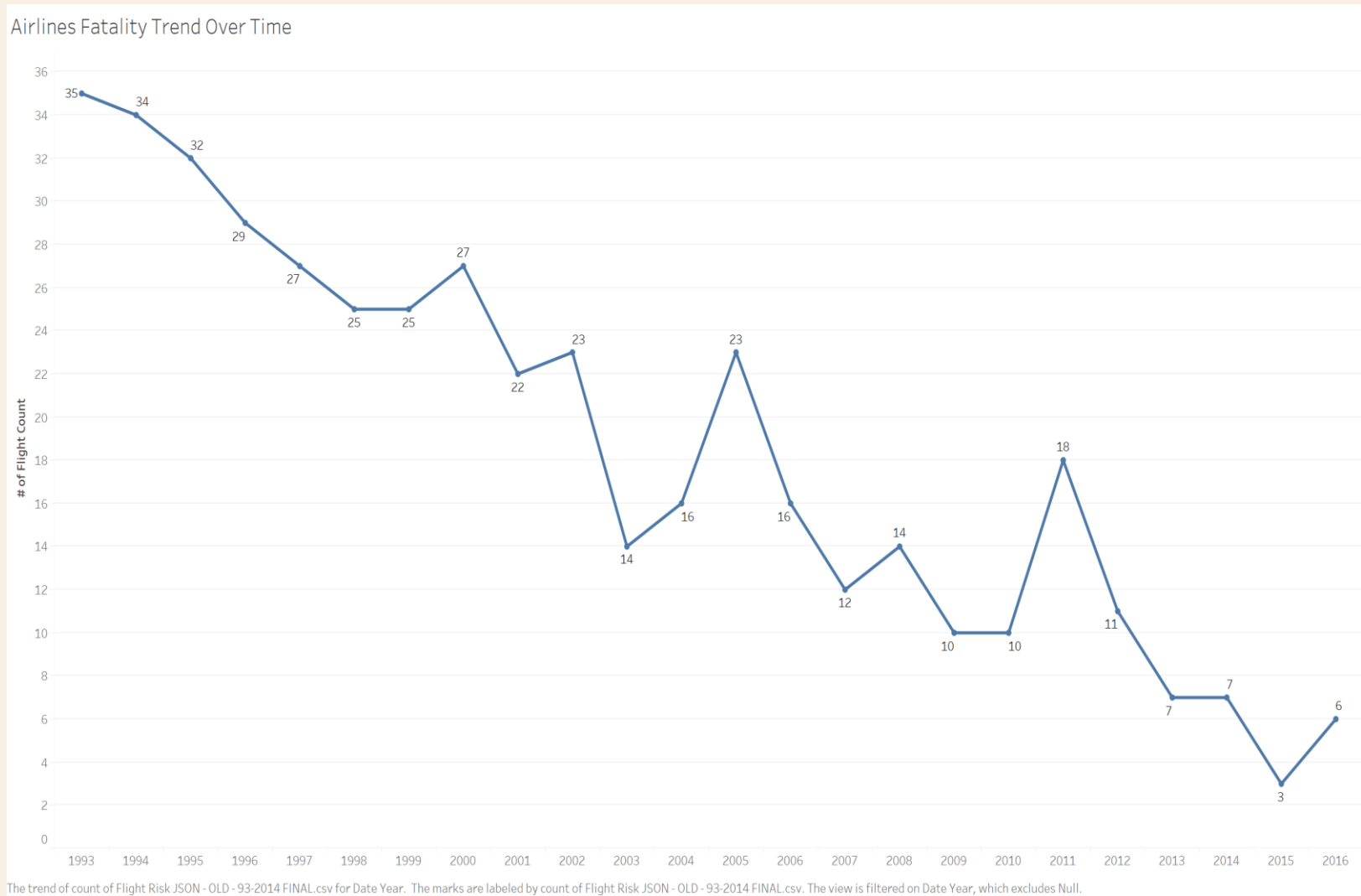
EXECUTIVE SUMMARY

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DSC640-T302

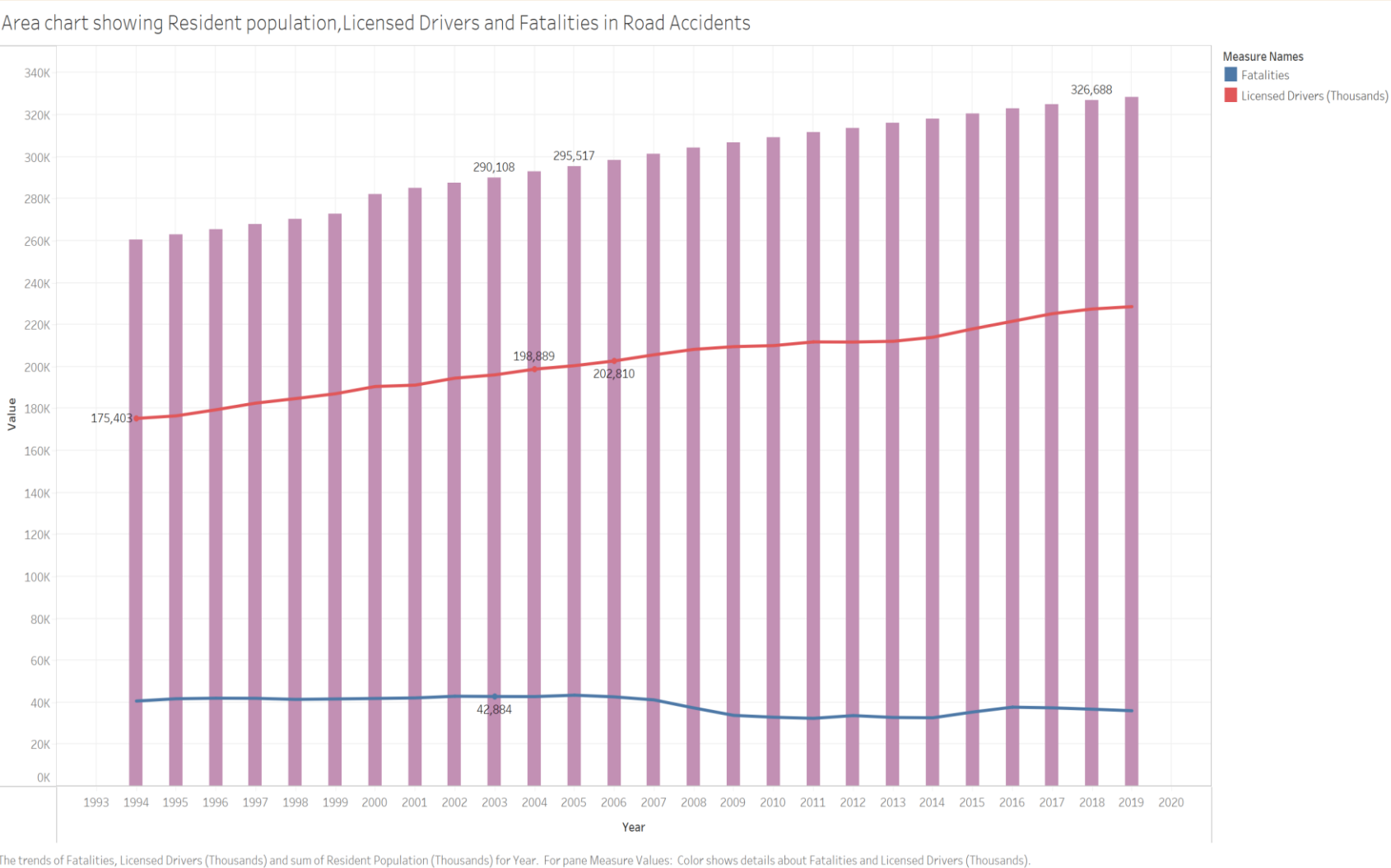
Bellevue University

Declining Trend of Airlines Fatality



- Period under consideration is 1993-2016
- With few exceptions we see a general trend of declining fatality across all airlines

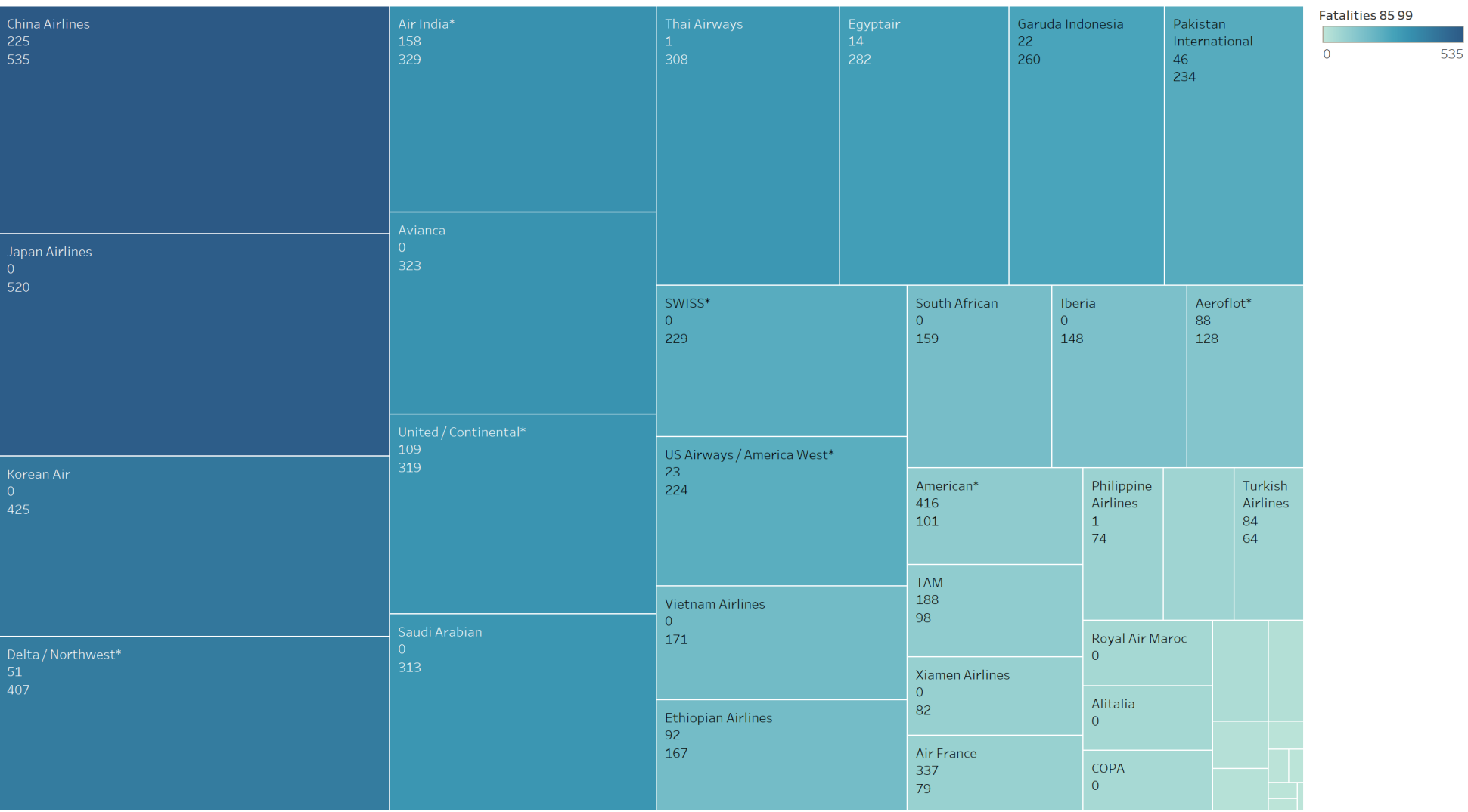
Fatality Trend Among Drivers



- Period under consideration is 1994-2019
- The fatality trend remains almost the same across the years
- Road fatalities as percent of licensed drivers are quite high

Fatality Count by Airlines

Treemap showing Sum of fatalities between the 2 periods by airlines



Airline, sum of Fatalities 00 14 and sum of Fatalities 85 99. Color shows sum of Fatalities 85 99. Size shows sum of Fatalities 85 99. The marks are labeled by Airline, sum of Fatalities 00 14 and sum of Fatalities 85 99.

Fatality count by airlines also shows how the count is coming down in the next 15 years

Reduced Fatalities by Airlines

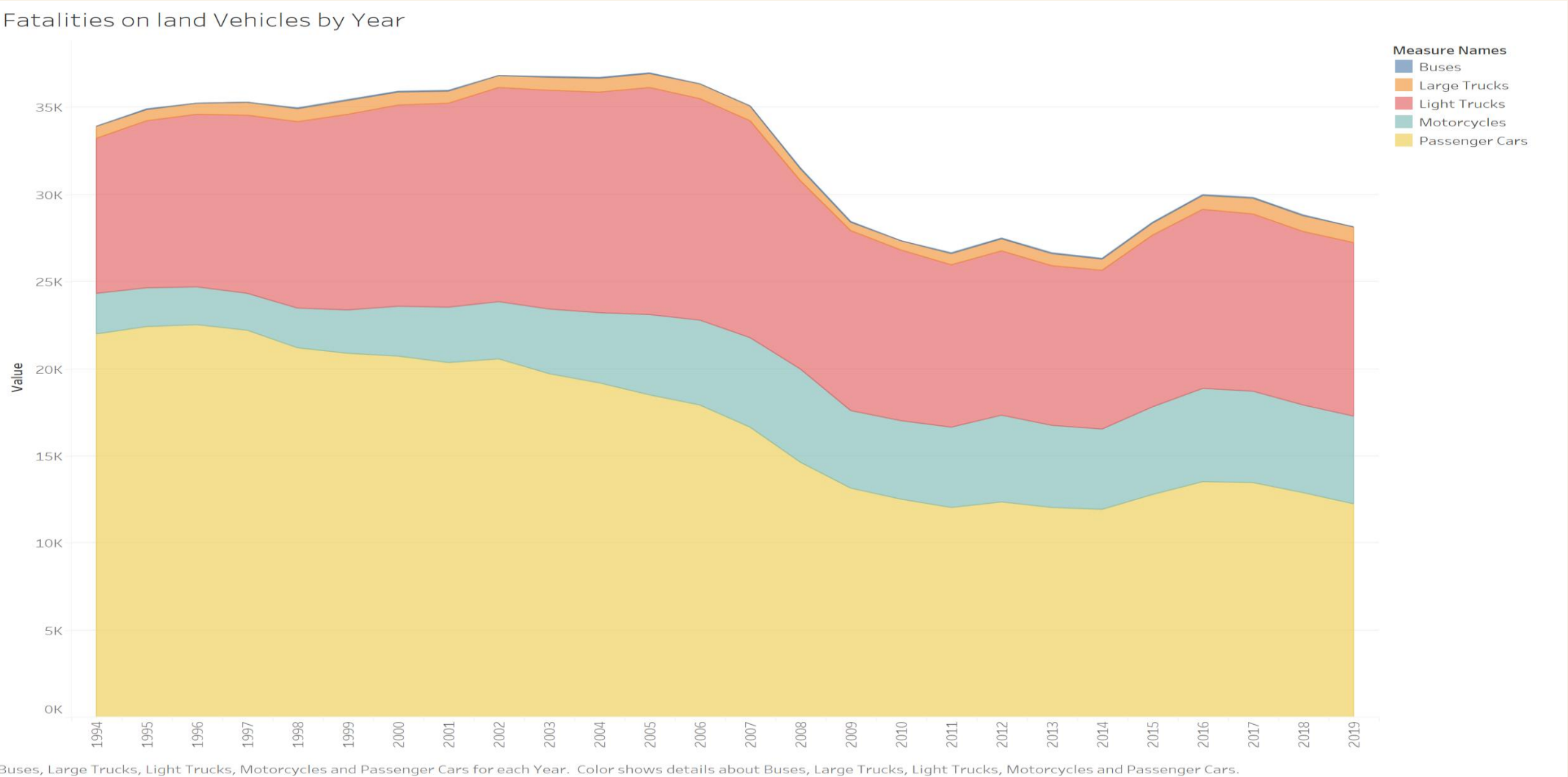
Comparing Total Fatalities between first 15 years with the next 15



Fatalities 00 14 and Fatalities 85 99 for each Airline. Color shows details about Fatalities 00 14 and Fatalities 85 99. The data is filtered on Fatalities 00 14, which ranges from 1 to 537.

- For each of the airlines fatality count decreased from the first 15 years to the next
- However, Malaysian, American and Air France are exceptions unfortunately
- Overall flight safety has improved a lot

Fatalities by Various Land Based Vehicles



- Trend is from 1994 to 2019
- But the count is much higher than airlines fatality

References and Links

Main Data Source:

<https://github.com/fivethirtyeight/data/tree/master/airline-safety>

Supplemental Data Sources:

Motor Crashes - Downloaded from:

<https://www.iihs.org/topics/fatality-statistics>

U.S. Air Carrier Safety Data - Downloaded from:

<https://www.bts.gov/content/us-air-carrier-safety-data>

An abstract geometric design on the left side of the slide. It features a dark blue background with various geometric shapes and patterns. A white circle is positioned near the top left. Below it, a light blue semi-circle is visible. To the right of the semi-circle, there is a pink triangle with diagonal lines. Further down, there is a pink square with a pattern of concentric lines. The design is composed of various shades of blue, pink, and white.

THANK YOU