# Rashmi Mariyappa

Tableau
Project Samples

# Beer, Pretzels, Non-Pretzels

Sample 1

## This project involved creating a dashboard for the comparison of sales of beer, pretzels, and non-pretzels.

## Elements used to create visual clarity.

- color and transparency of each graph component
- placing graphs on grids
- white space surrounding each graph

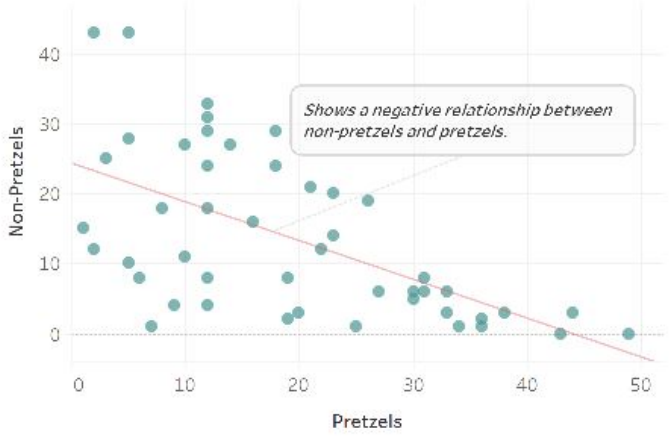
## Elements used to highlight and communicate findings.

- titles
- annotations
- trendlines

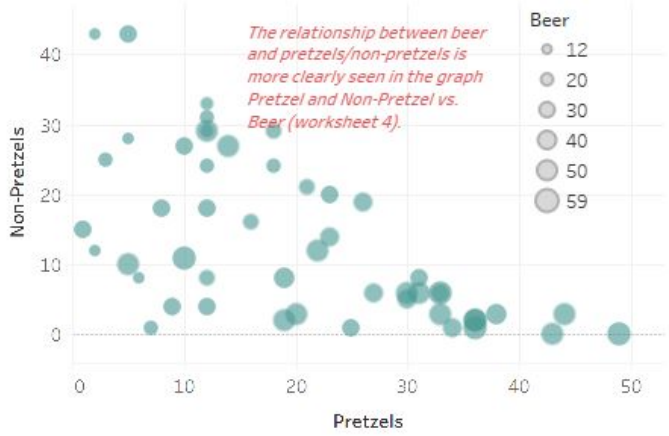
**Rashmi Mariyappa**

# Comparison of Sales of Pretzels, Non-Pretzels, and Beer

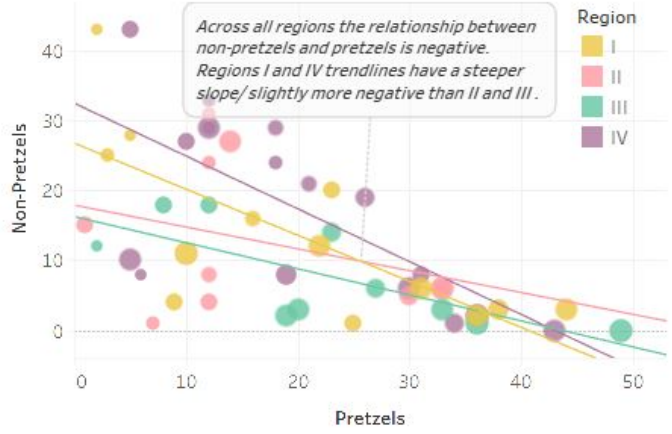
## Non-Pretzels vs. Pretzels



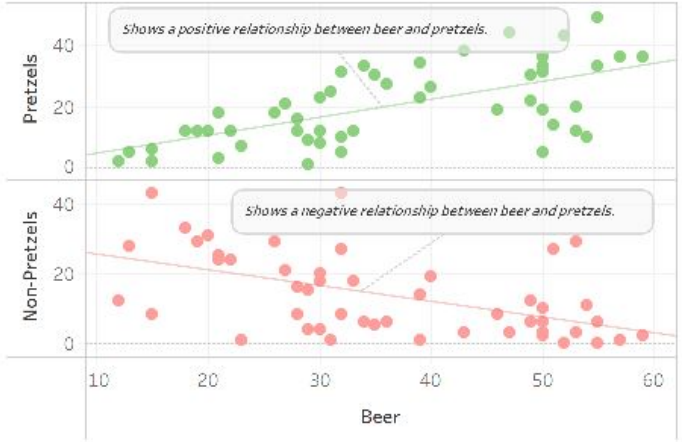

## Non-Pretzels vs. Pretzels - Sized by Beer




## Non-Pretzel vs. Pretzel - by Region and Sized by Beer




## Pretzel and Non-Pretzel vs. Beer




Beer, Pretzels, Non-Pretzels

**Rashmi Mariyappa**

# On-Time Performance of United Airlines

Rashmi Mariyappa

Sample 2

**Using the Bureau of Transportation Statistics domestic flight data from 2018 (7,213,446 records and 111 variables) groups of students evaluated departure delay performance of specific assigned airlines.**

**I chose the routes and distance context and presented the analysis from the viewpoint of 2 students who were selecting a vacation spot for spring break.**

**Our group framed our analysis by 3 larger contexts.**

- time
- location
- routes and distance

**The following slides document my contribution to the final team Tableau Story.**

# On-Time Performance of United Airlines

Rashmi Mariyappa



December 2018

The graph to the left was animated so that each month appeared in a clockwise rotation

Month of Fl Date

December 2018

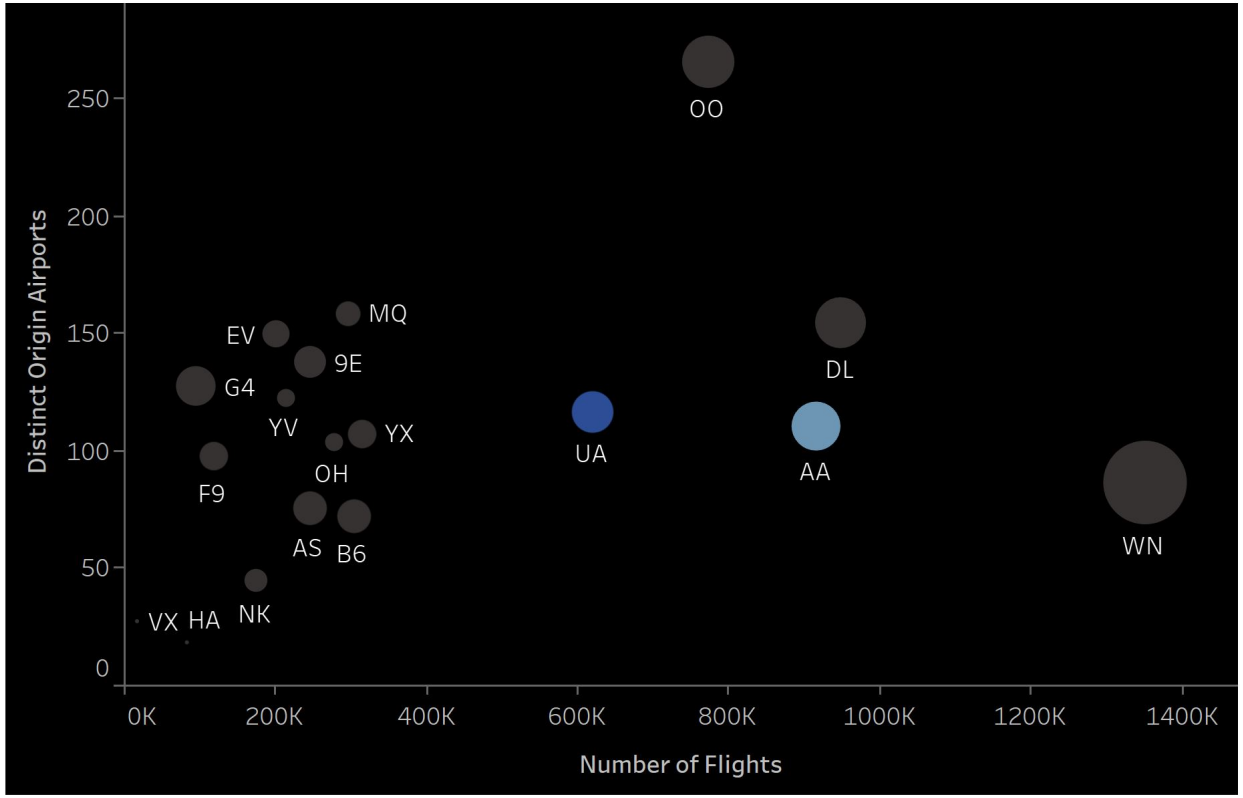
Show history

# On-Time Performance of United Airlines

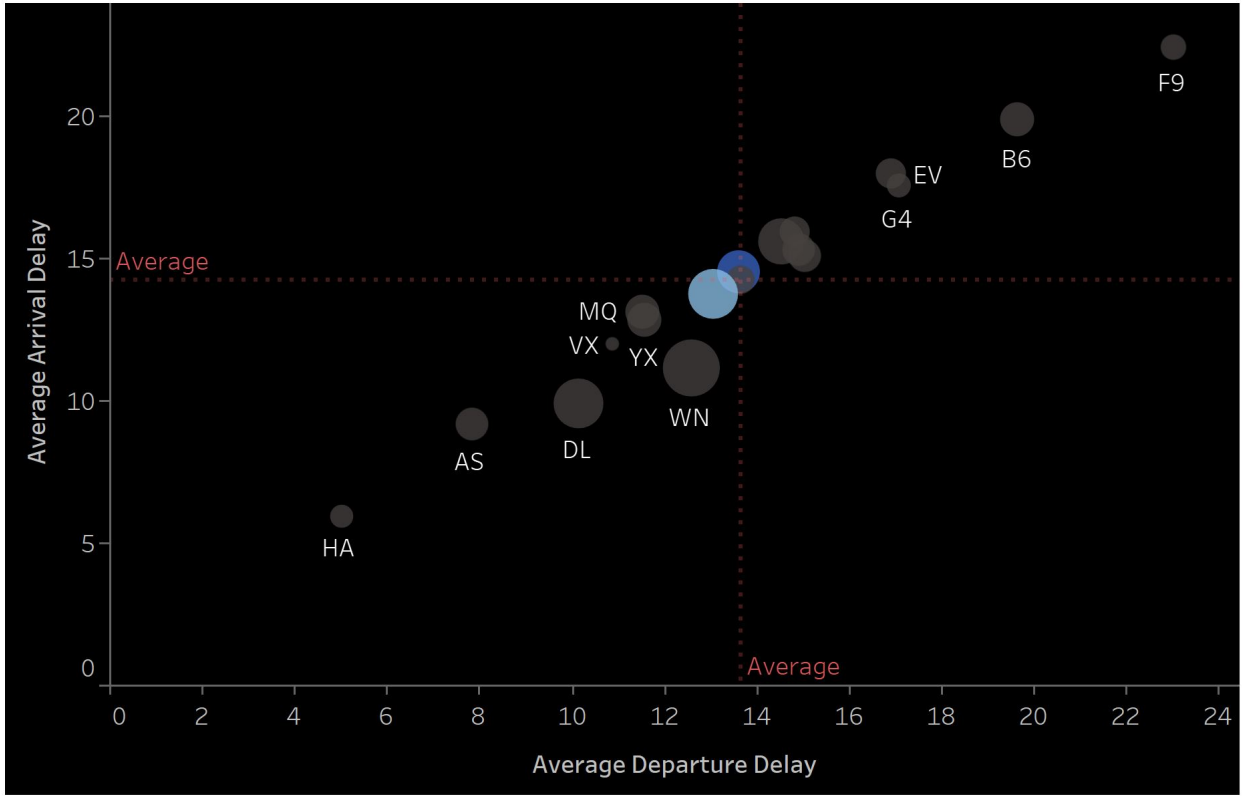
Rashmi Mariyappa



## Identifying the Closest Competitor




## United Airlines Comparison to Industry Performance



# On-Time Performance of United Airlines

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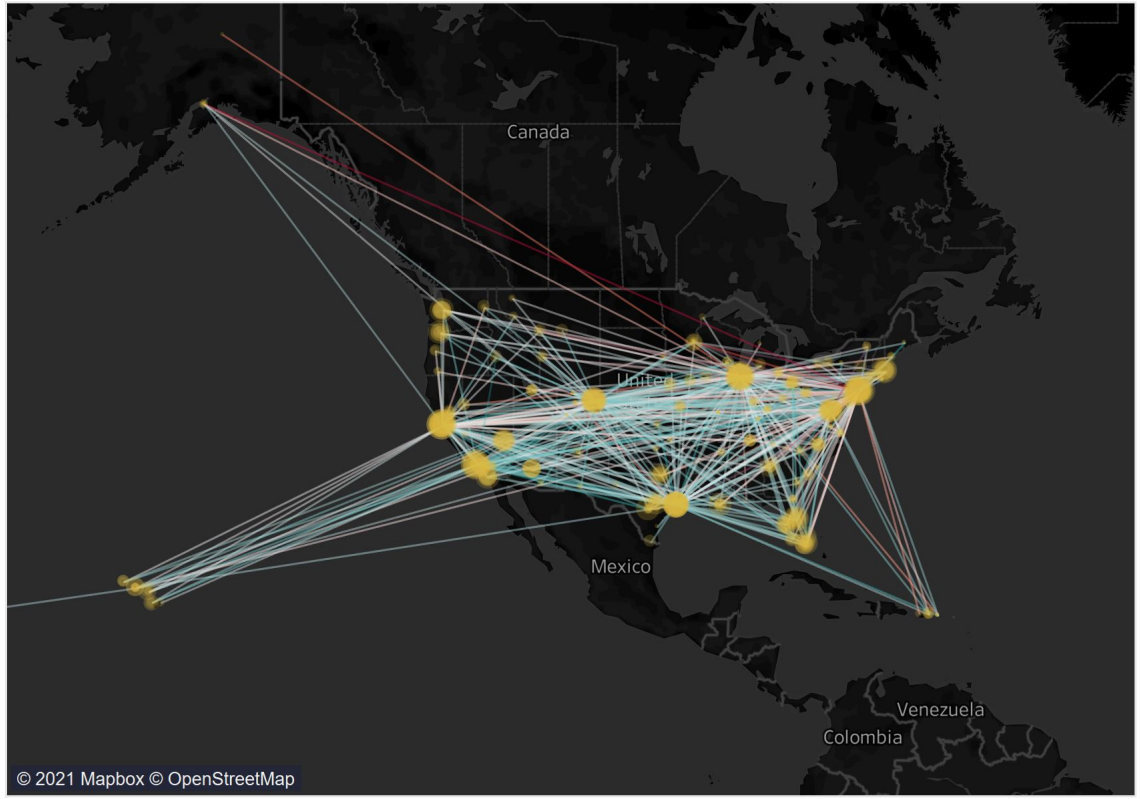
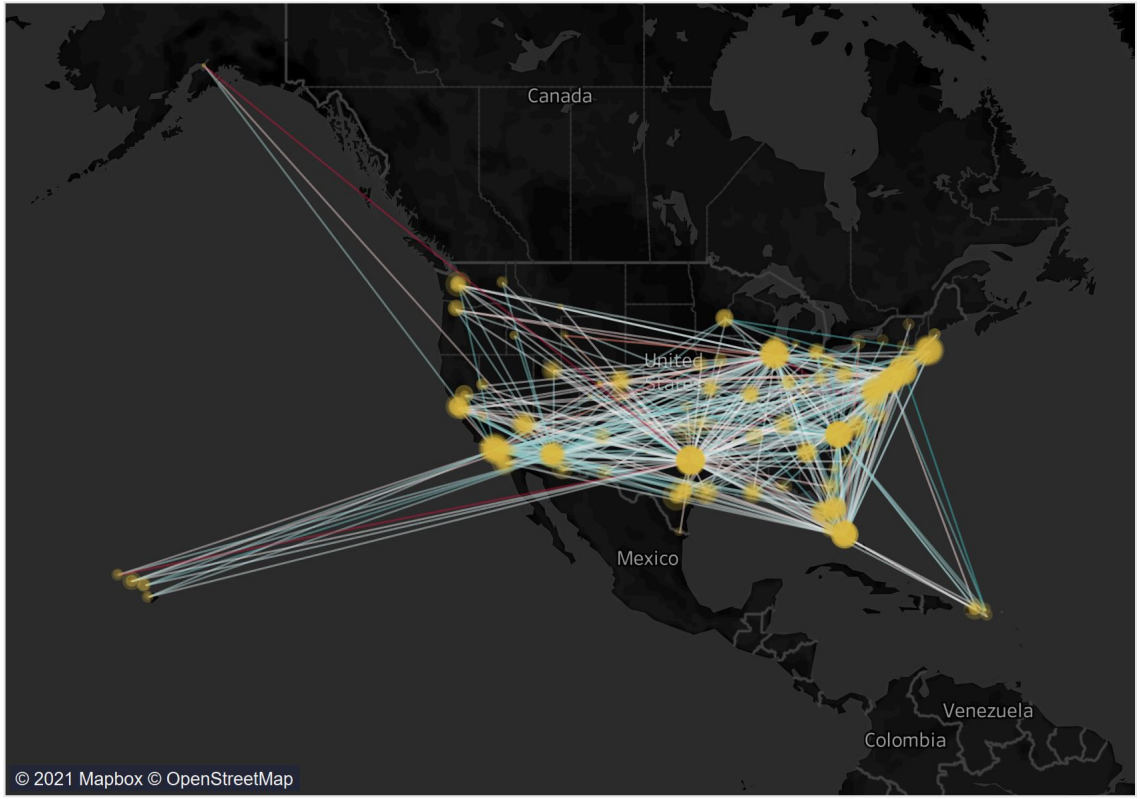
## United Airlines Network




## American Airlines Network




**Avg. Dep. Delay**

0.00 60.00

**Number of Flights**

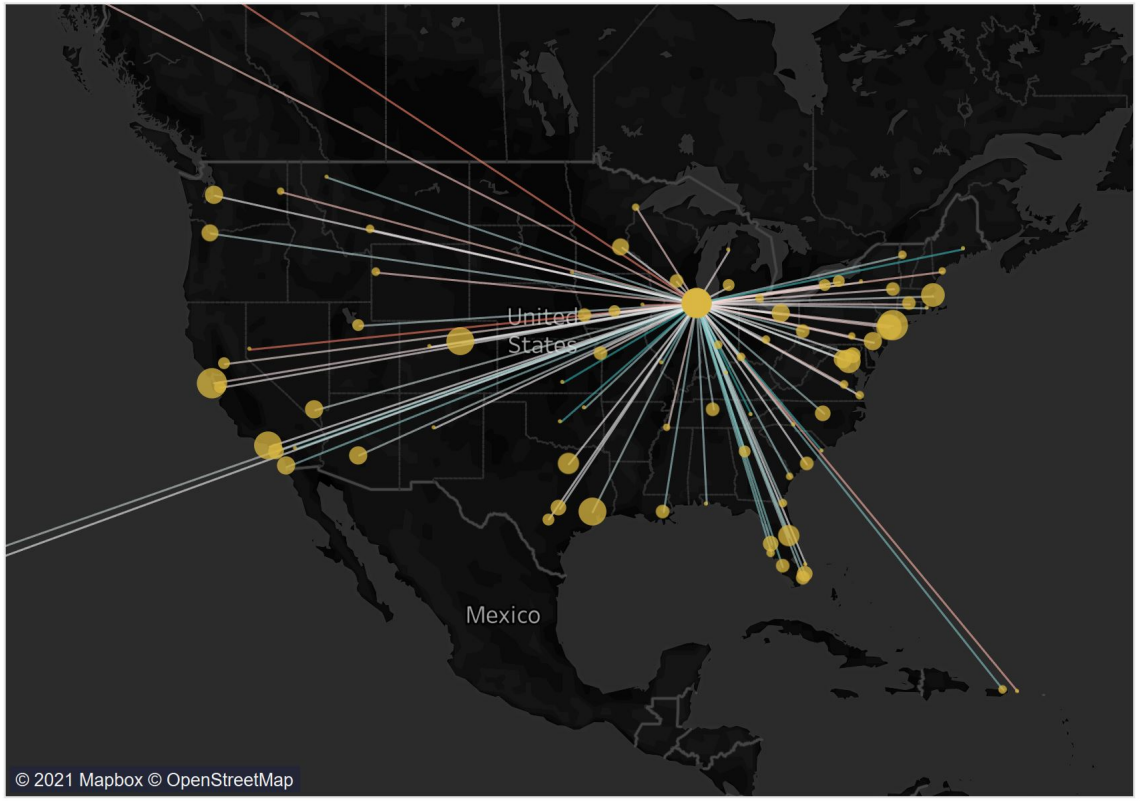
1
1,000
2,000
3,000
4,000
4,798

# On-Time Performance of United Airlines

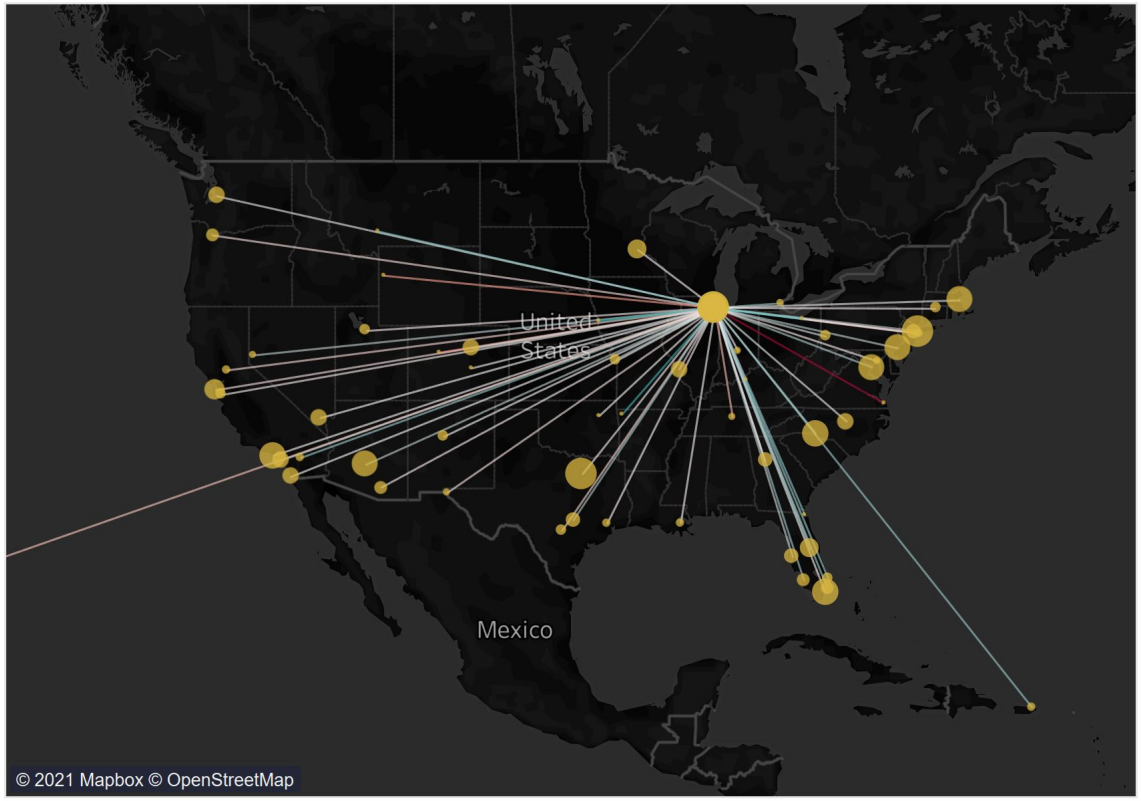
Rashmi Mariyappa



## United Airlines Network - Flights from O'Hare




## American Airlines Network - Flights From O'Hare




**Avg. Dep. Delay**

0.00 60.00

**Number of Flights**

1
1,000
2,000
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4,000
4,798

# On-Time Performance of United Airlines

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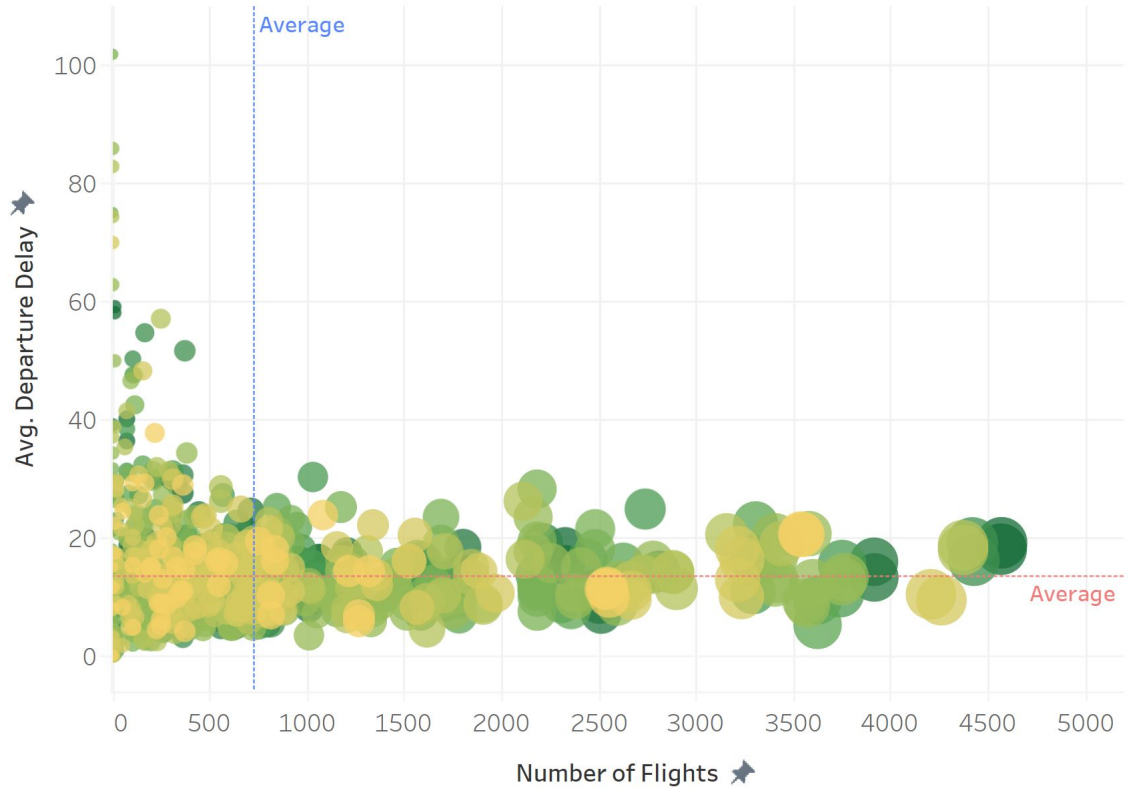
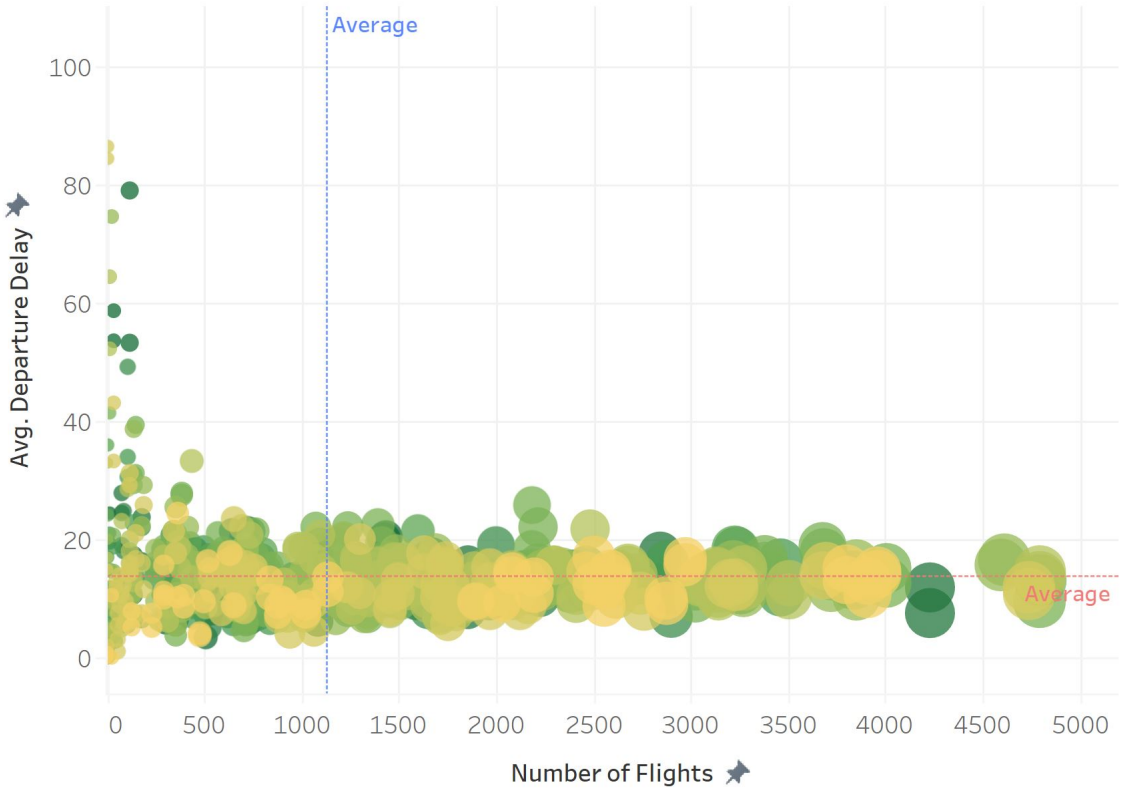
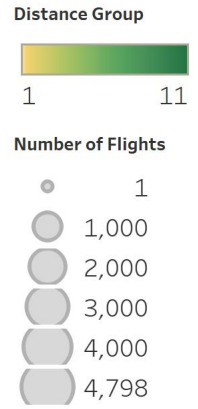
## United Airlines




## American Airlines



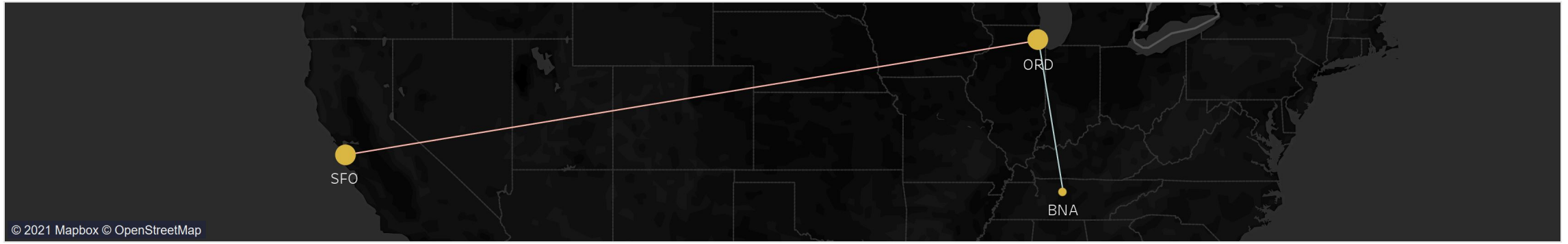



# On-Time Performance of United Airlines

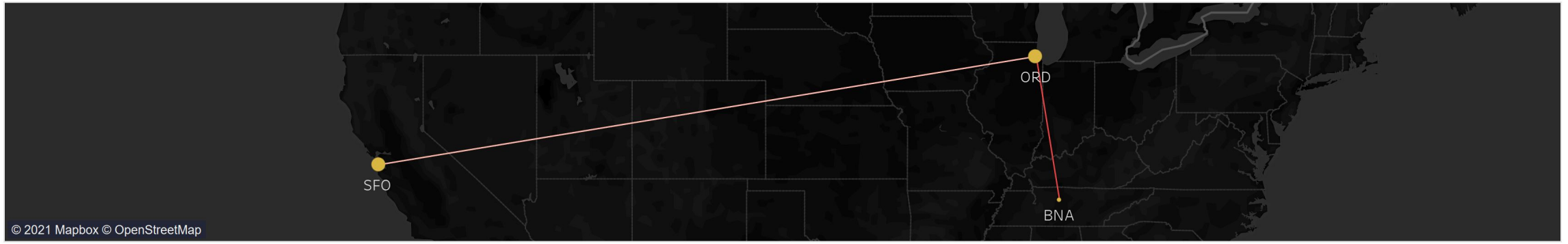
Rashmi Mariyappa



## United Airlines - San Francisco (SFO) & Nashville (BNA)




## American Airlines - San Francisco (SFO) & Nashville (BNA)




**Avg. Dep. Delay**

0.00 30.00

**Number of Flights**

1
1,000
2,000
3,000
4,000
4,798

Highlight Rout..

Highlight Ro...

# Who Survived the Titanic?

Sample 3

**This project was based on the classic Titanic data set regarding the passengers who were onboard the Titanic. The research questions were:**

- *Who were the passengers that decided to take this fateful trip?*
- *Did groups survive in equal portions?*

**The analysis was done in Tableau and the findings were presented as a short Tableau Story.**

The following slides document the Tableau Story and conclusions.

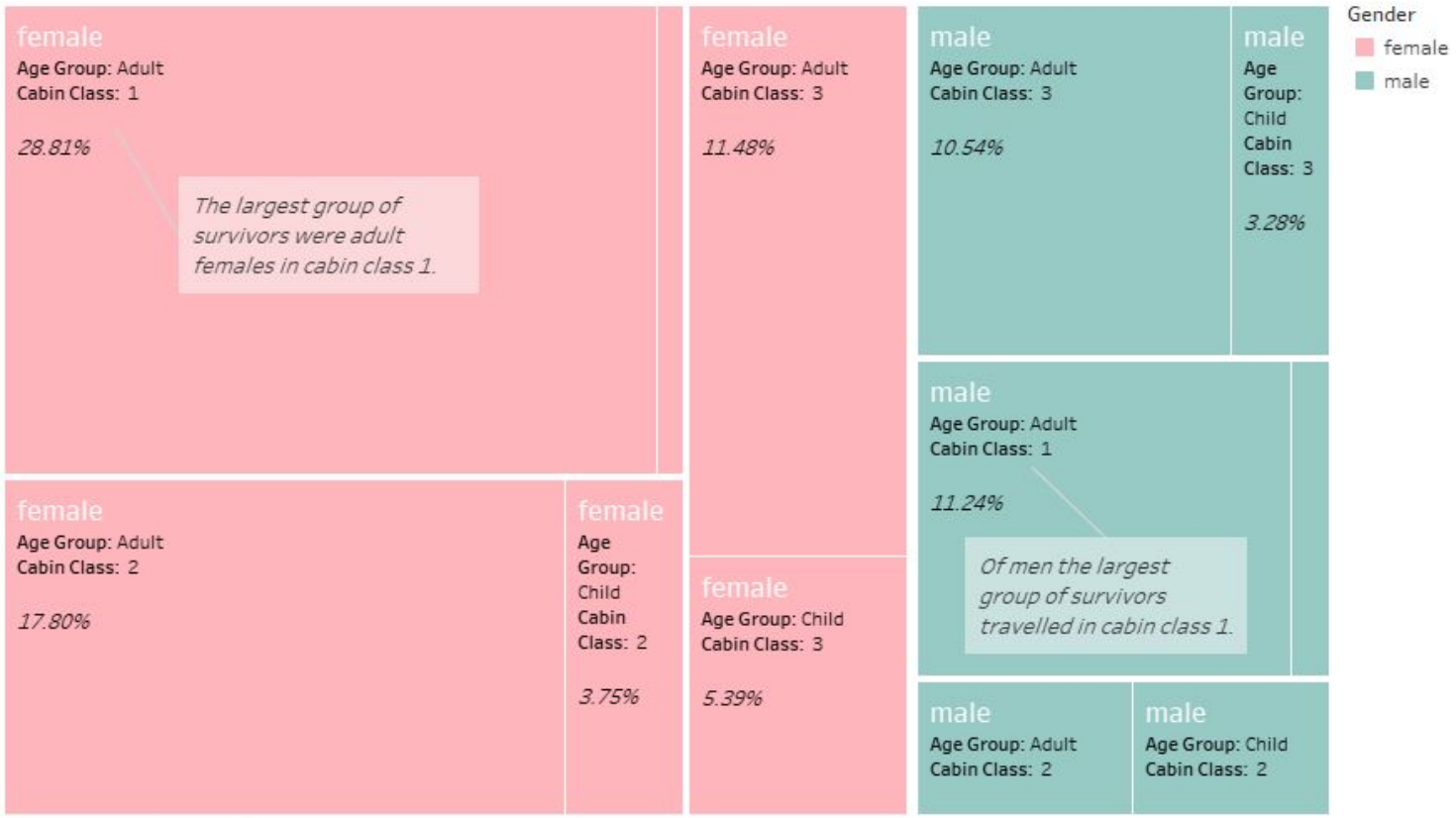
**Rashmi Mariyappa**

## Distribution of Passengers

*Overall, there were more men than women riding on the titanic, by 2 to 1. Most of the passengers were adults and half were in cabin class 3.*

# Who Survived the Titanic?

**Rashmi Mariyappa**




## Distribution of Survivors

*Looking at the distribution of surviors, clearly the ratio of men to women has flipped 1 to 2. The largest groups of survivors travelled in cabin class 1. The smallest groups of survivors were children.*

# Who Survived the Titanic?

**Rashmi Mariyappa**

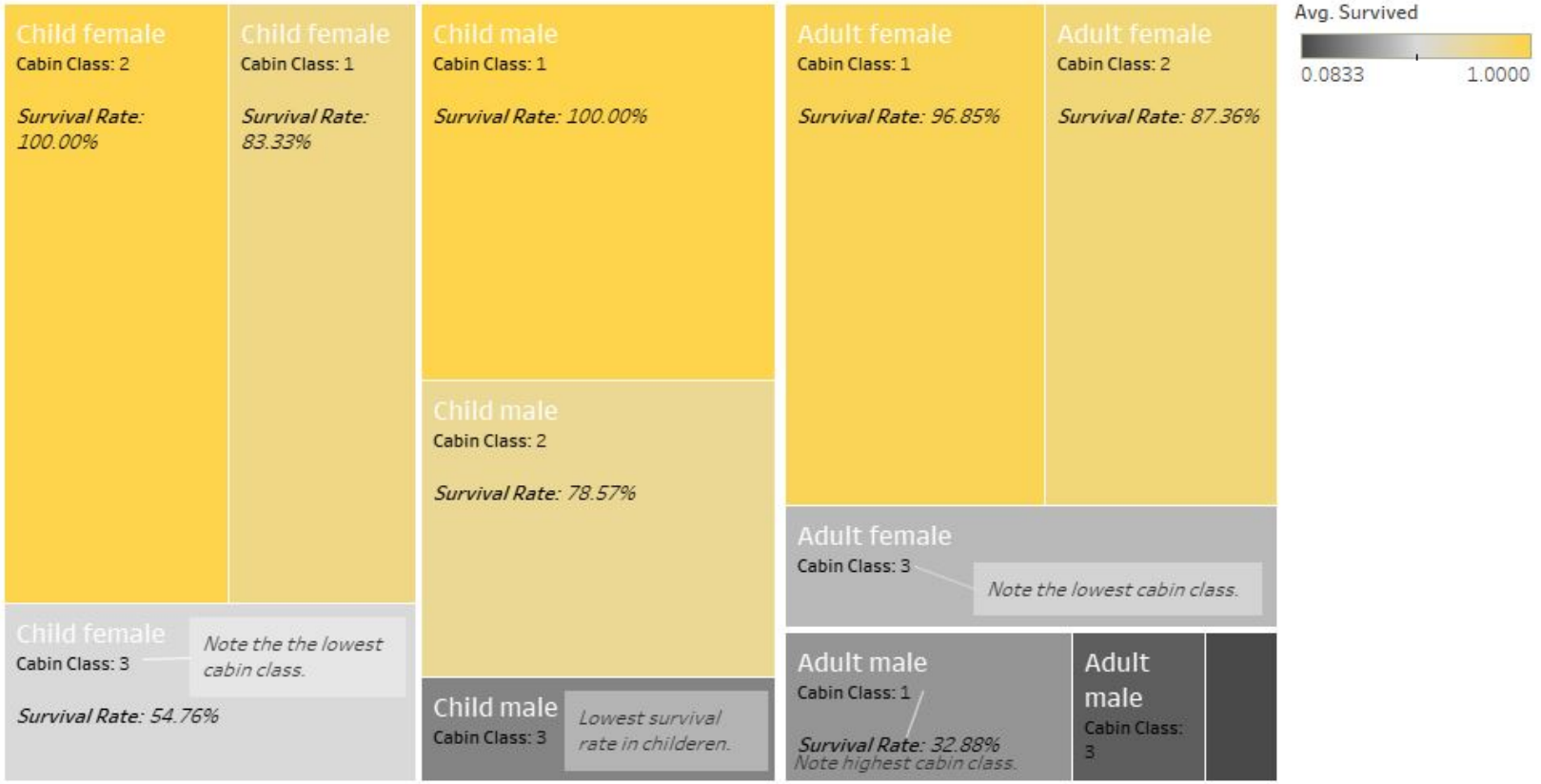
## Number of Survivors as Percentage of Total Passengers

**Number of Survivors / Total Number of Passengers*

*Adults overall made up the largest portion of survivors. Women, especially in the highest cabin class, contributed the largest amount to the overall survival rate of passengers. Out of men, cabin classes 1 and 3 had a higher total number of survivors as compared to cabin class 2. Children overall had the lowest number of survivors.*

# Who Survived the Titanic?

**Rashmi Mariyappa**




## Survival Rate of Passengers

*Clearly, however, the groups with the highest survial rate were women and children. The survival rate dipped among women and children if they were in cabin class 3. The lowest survival rate among children were males in the lowest cabin class (27.45%). Men had the lowest survival rate. However, their chance of surviving increased if traveling in the highest cabin class.*

# Who Survived the Titanic?

**Rashmi Mariyappa**

## Conclusion

While 2/3 of the passengers were men and most of the passengers were adults, the highest survival rates were among women and children.

*Clearly, the saying women and children first was true in this situtaion. (It helped to be in a higher cabin class as well!)*

# Who Survived the Titanic?

**Rashmi Mariyappa**

# Rashmi Mariyappa

Thank you!