

SUMMARY OF THE DATASET

- Taxi ID Trip Start and End Timestamps
- Trip Seconds
- Trip Miles
- Pickup and Dropoff Census Tracts
- Pickup and Dropoff Community Areas
- Fare
- Payment Type
- Taxi Company

Questions about the dataset



Which census tract is the most popular census tract?



What is the correlation between popularity and congestion?



What is the most popular time for taxi trips?

Fields of the dataset that belong in the analyses:

- Taxi ID Trip Start and End Timestamps
- Trip Seconds
- Trip Miles
- Pickup and Dropoff Census Tracts
- Pickup and Dropoff Community Areas

Outcome variable:

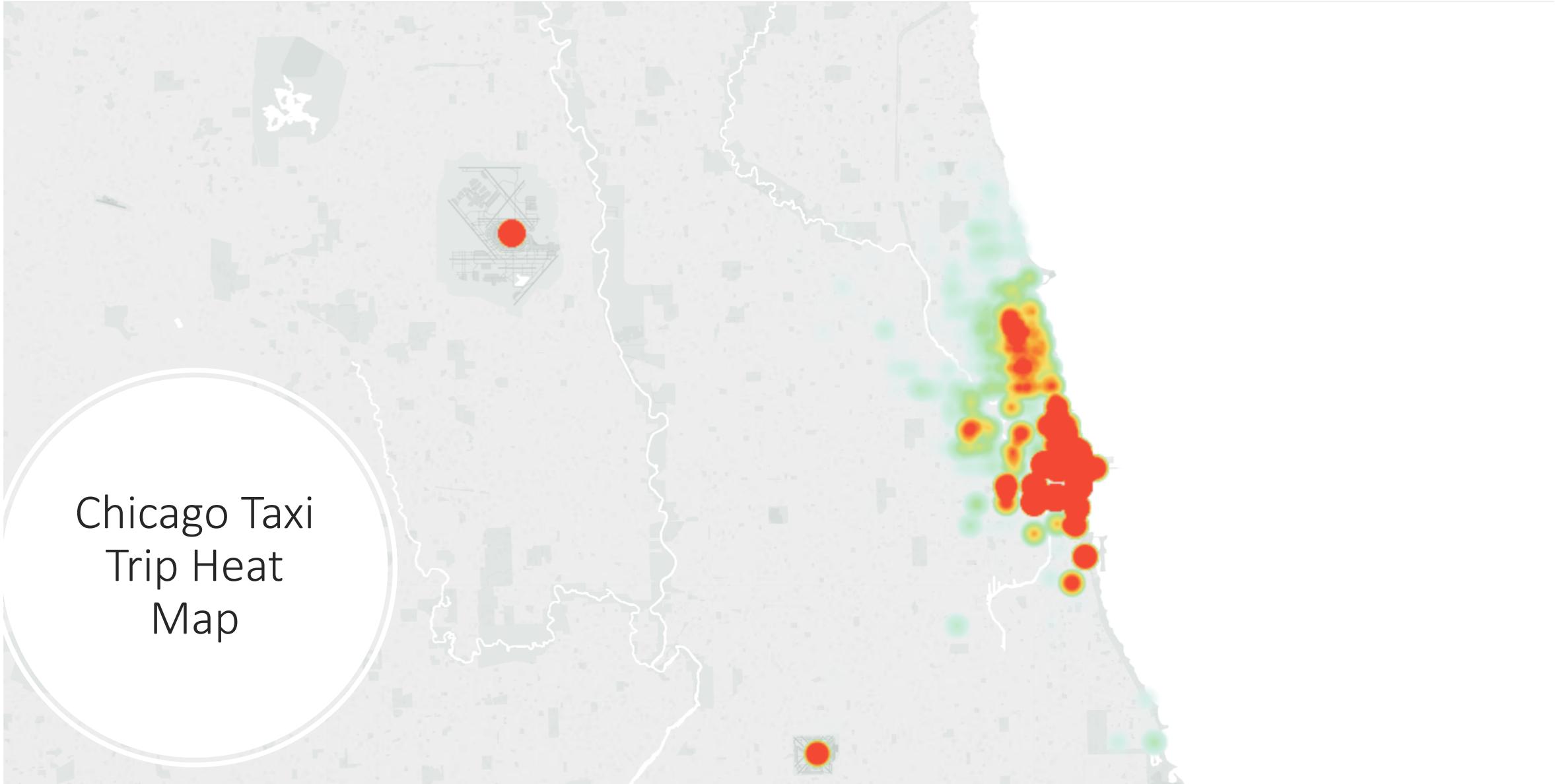
- Question 1 – Number of trips in census tract
- Question 2 – Average taxi travel speed
- Question 3 – Taxi trips per hour

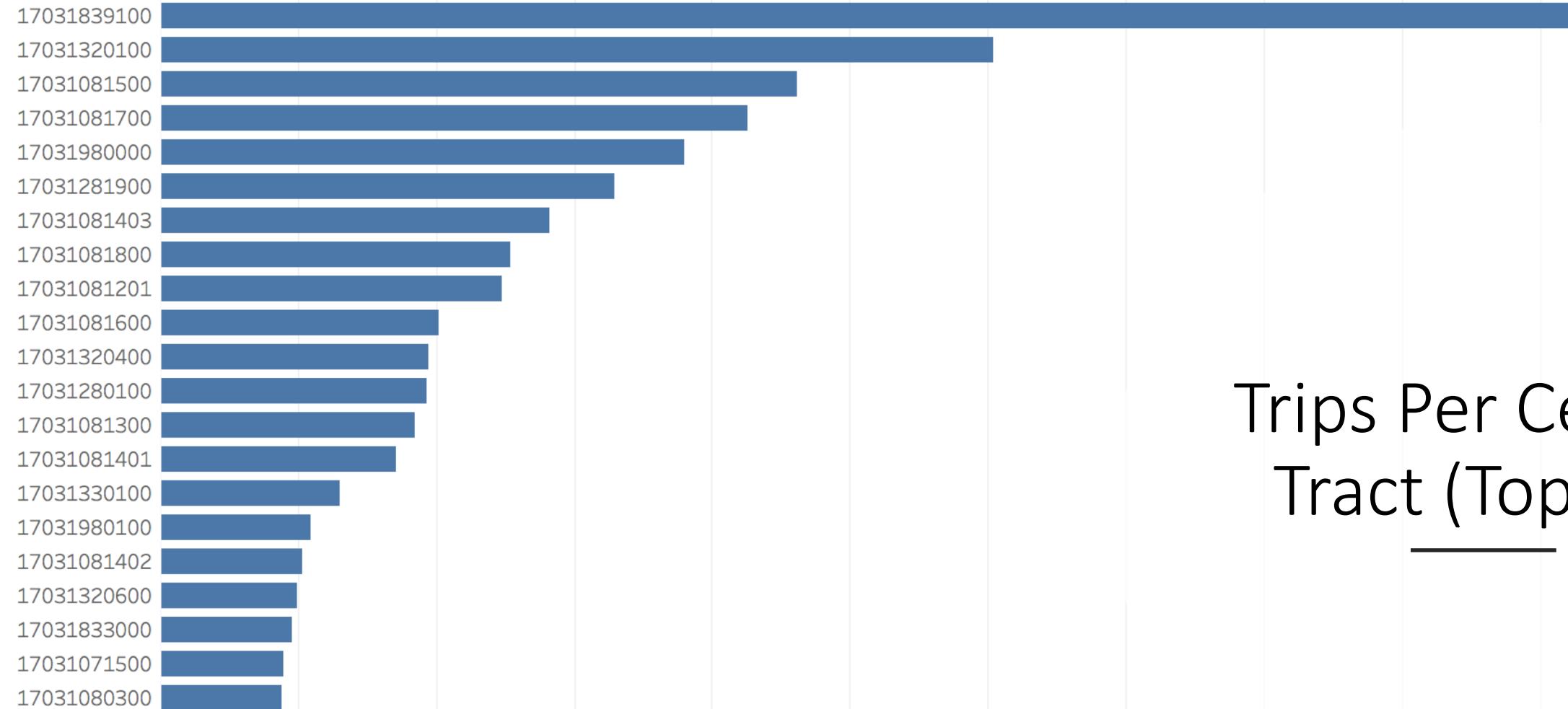
[Chicago Taxi Trip Heat Map](#)

[Trips Per Census Tract](#)

[Average Taxi Travel Speed
Per Census Tract](#)

[Trips Counts & Avg. Speed
Per Hour](#)



[Chicago Taxi Trip Heat Map](#)[Trips Per Census Tract](#)[Average Taxi Travel Speed
Per Census Tract](#)[Trips Counts & Avg. Speed
Per Hour](#)**Pickup Ce.. F**

Trips Per Census Tract (Top 20)

Count of Trip Miles

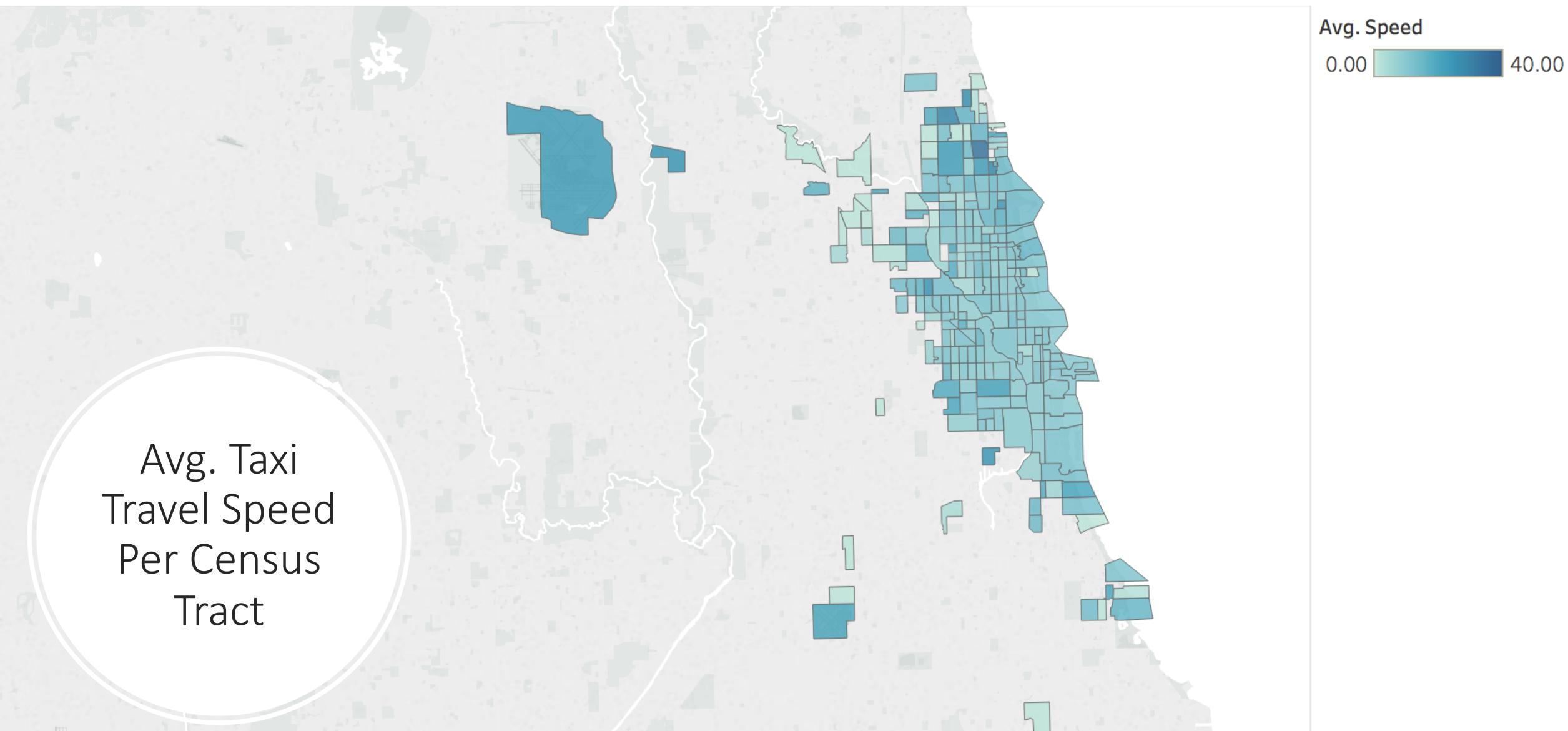


Chicago Taxi Trip Heat Map

Trips Per Census Tract

Average Taxi Travel Speed
Per Census Tract

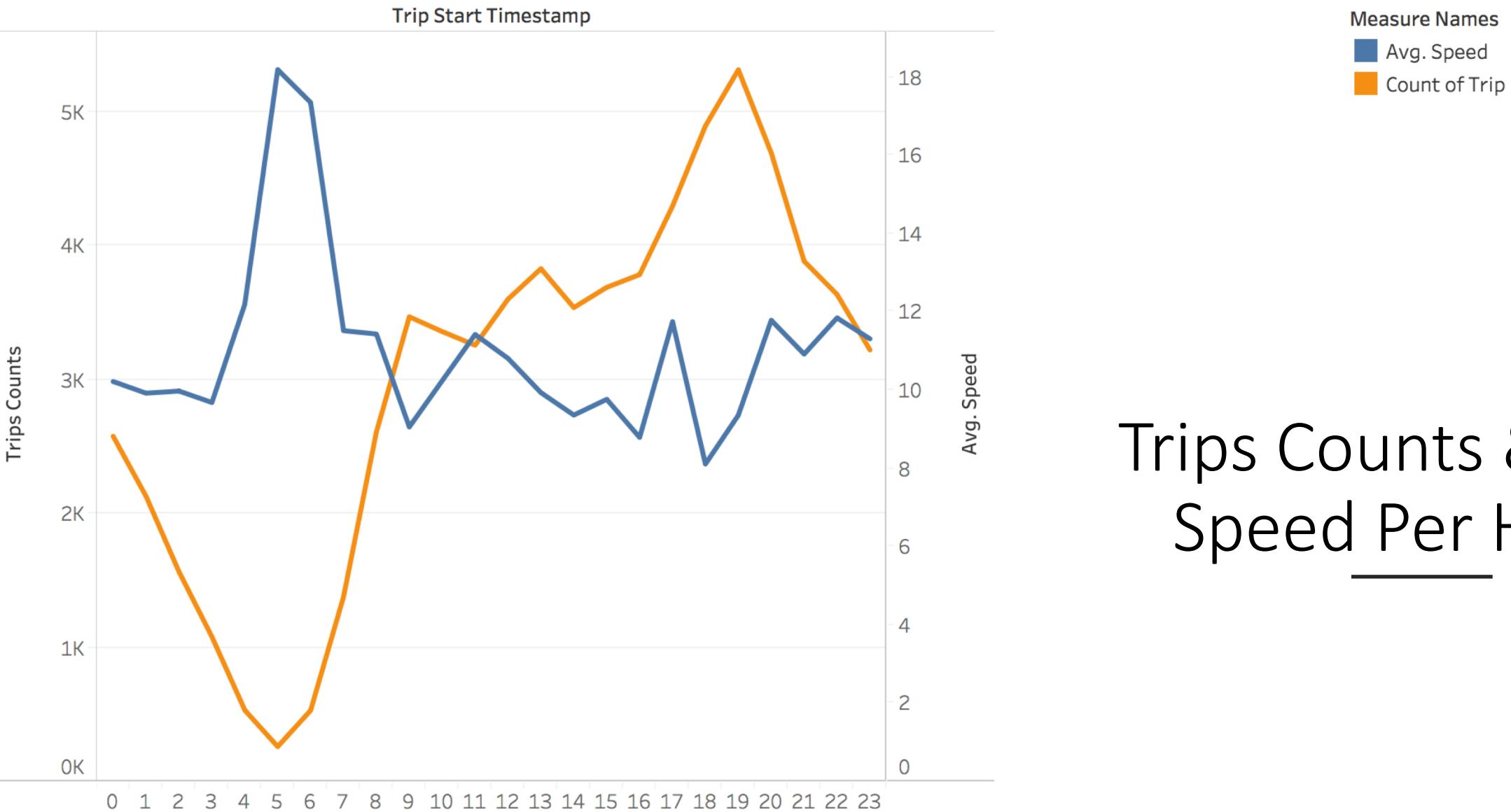
Trips Counts & Avg. Speed
Per Hour





Chicago Taxi Trip Heat Map

Trips Per Census Tract

Average Taxi Travel Speed
Per Census TractTrips Counts & Avg. Speed
Per Hour

CONCLUSIONS

- Which census tract is the most popular census tract?

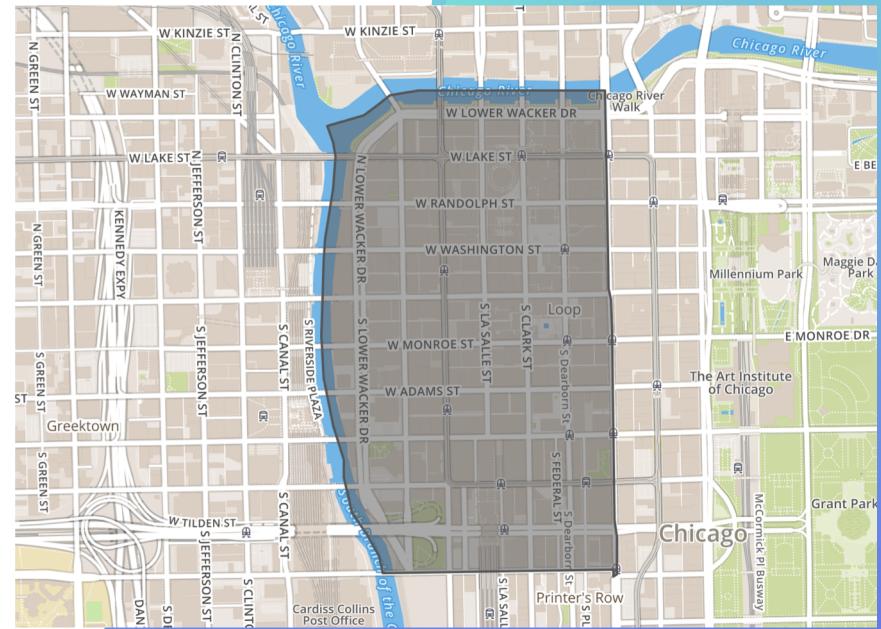
The most popular census tract is 17031839100. From story point 2, I learned that there are more than 10,000 taxi trips that depart from this area per day. Story point 2 also points out that it is a popular census tract.

- What is the correlation between popularity and congestion?

In story point 3, colored areas indicate average speed of that area. Combined story point 3 with story 1, I found that the more popular the census tract is, the slower taxis traveled in that census tract. There more popularity and congestion are positively correlated.

- What is the most popular time for taxi trips?

Story point 4 demonstrates that 19:00 to 20:00 is the most popular time. More than 5,000 taxi trips travel during this period. The average speed of 19:00 to 20:00 is about 8 miles per hour, which is the lowest average speed among 24 hours.



17031839100

Thank You

