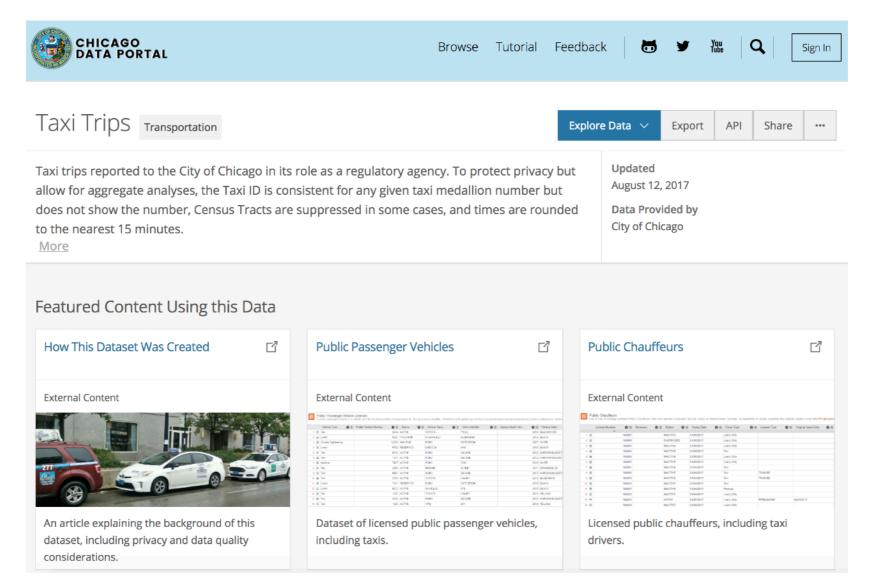
#### Analyzing Chicago Taxi Data for Road Pricing

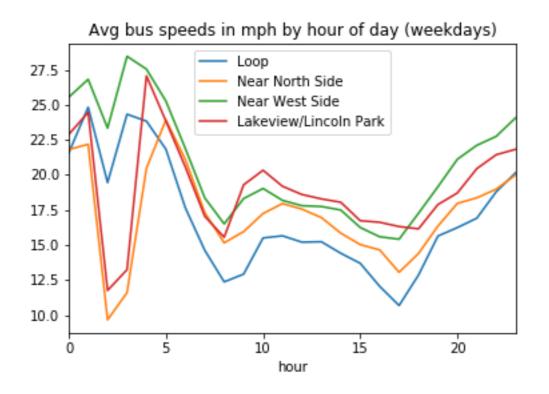
- Congestion tragedy of the commons problem
- Road pricing?
  - when/where?
  - how much?
  - how?

#### Chicago taxi trips data



46GB, 113M taxi rides ('13-17), analyzed w/ Pandas

# When/where? from bus tracking data

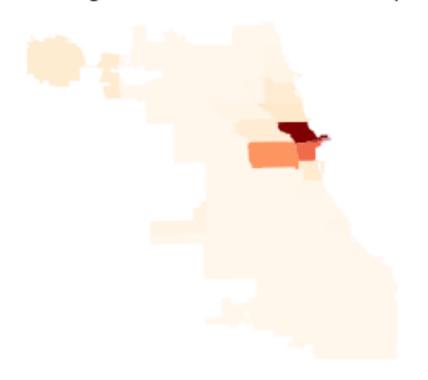


Focus: Loop at 8-10am and 4-7pm

Next: Near North Side

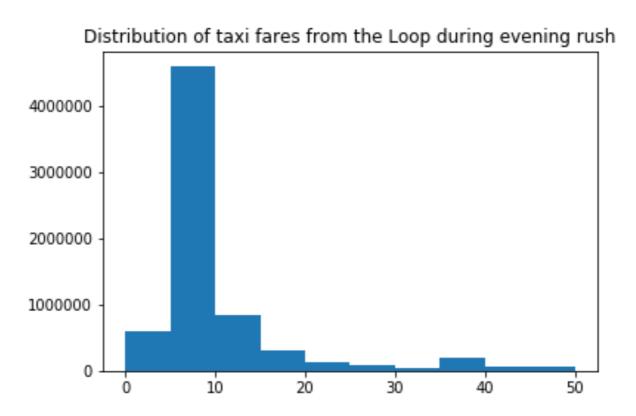
## When/where? from taxi data

Evening rush taxi rides from the Loop



Most taxis go to Near North Side, the Loop, Near West Side

### How much? from taxi data



Most rides between \$5-10

Small toll can be effective

# Recommendation and next steps

- Small toll for the Loop at rush hours
- Use finer pickup/dropoff location data
- Prediction model
- Track individual taxis
- Near North Side?