



#### URBANISM NEXT Iscal

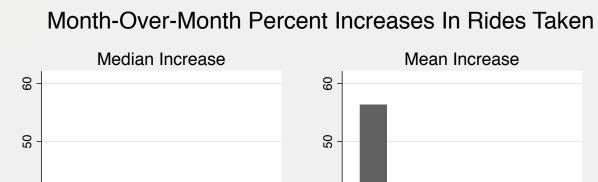
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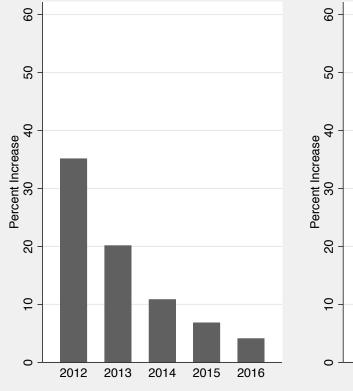


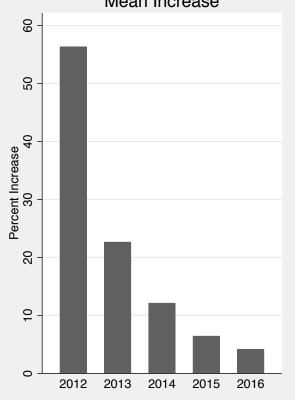
## UBER

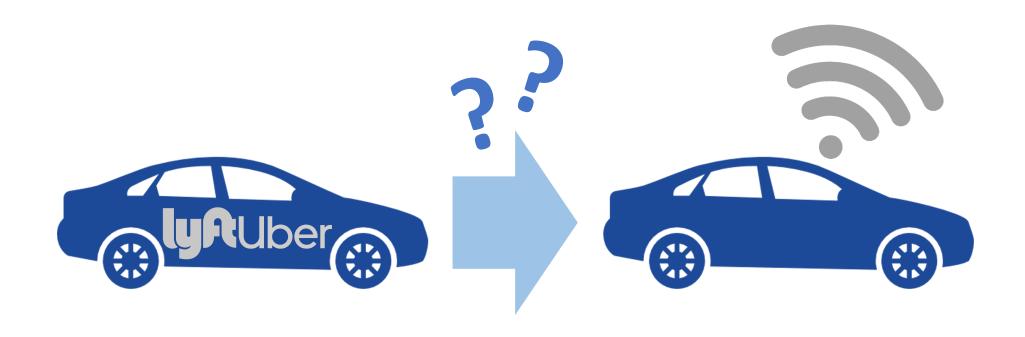
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## Rapid Growth of ride-hailing in Seattle

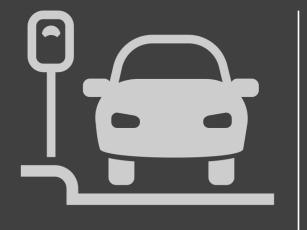






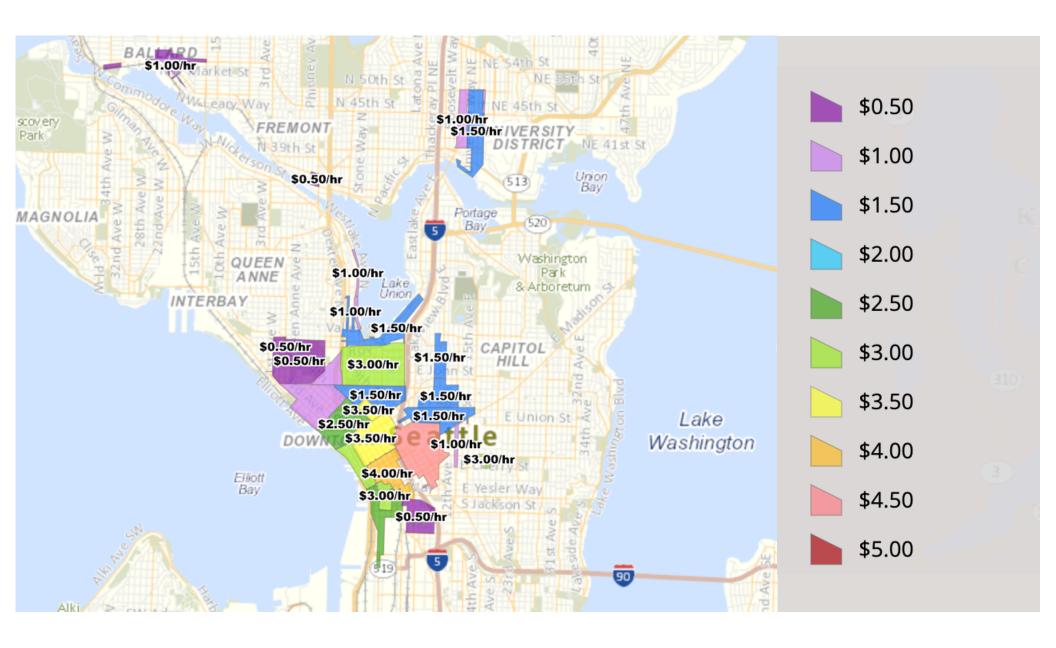






What is the link between ride-hail trips in a neighborhood and parking revenue?

#### Context & Methods



#### How do we measure ride-hailing and parking revenue?

- 2013-2016
  - Ride-hailing Pickup/Dropoff (both Uber and Lyft)
  - Parking revenue + occupancy + avg \$/hour



#### What else do we measure?

- Neighborhood characteristics
  - Number of motor vehicles
  - Number of parking spaces
  - Number of beer/wine selling establishments
  - Median household income
  - Population density
  - Land use (residential, industrial, commercial, mixed-use, other uses)
- Average cost per gallon of gas



### What is the unit of analysis?

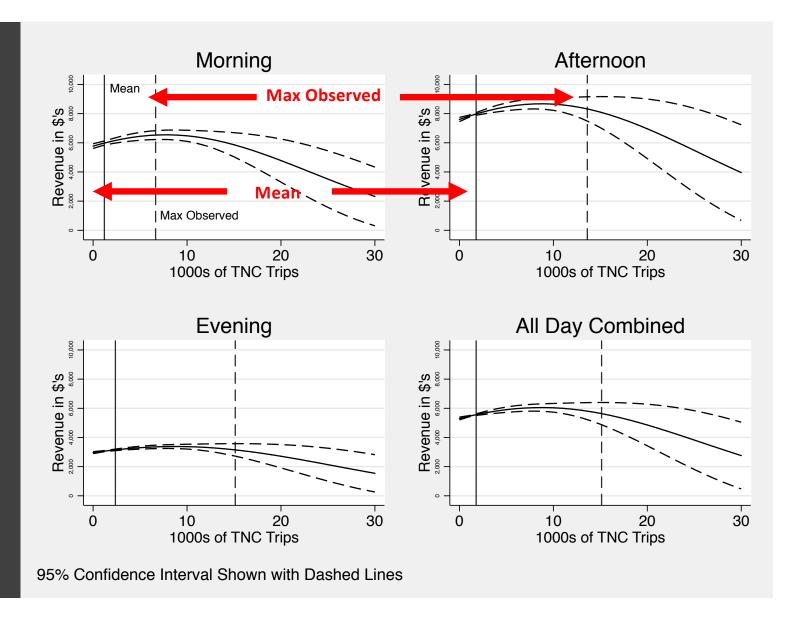
Geography—Census Tracts in Seattle with paid on-street parking (33 in total)

Time—three time blocks (Morning; Mid-Day; Evening) Day of week in a month

All Monday mornings in January are added together for each Tract

# Results

#### Total Revenue



#### At 2016 mean ->\$5,563

2016 Mean = 1,782 trips

At max observed value  $\rightarrow$  \$5,636

\$73 more than mean (or 1.3% 个)

(Max observed = 15,134 trips)

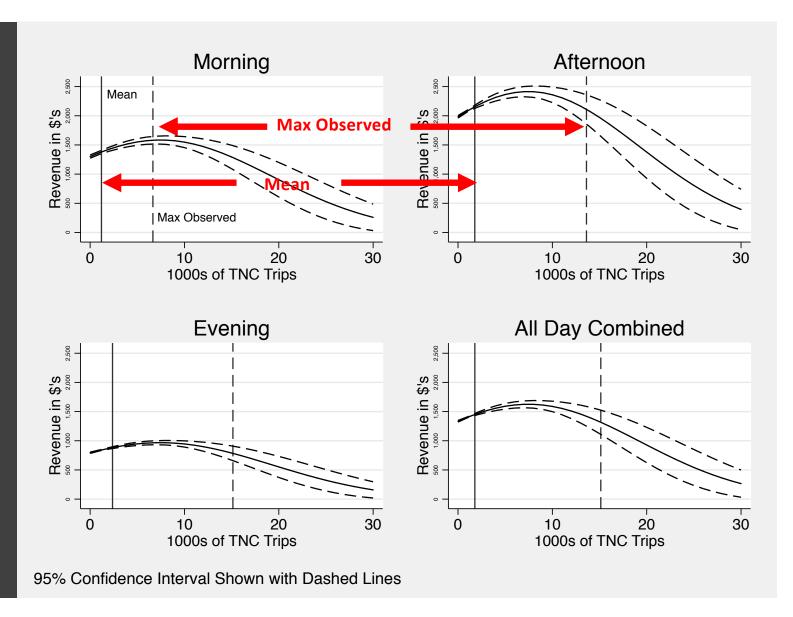
At 30k trips  $\rightarrow$  \$2,759

\$2,877 less (or 51% ↓)

# Revenue is predicted to peak at about 4.8 times the 2016 ridership

Or about 8,500 trips & \$6,050

#### Revenue Per Space



#### At 2016 mean ->\$1,450

2016 Mean = 1,782 trips

#### At max observed value $\rightarrow$ 1,317

\$133 less (or 9% ↓)

Max = 15,134 trips

At 30k trips → \$265

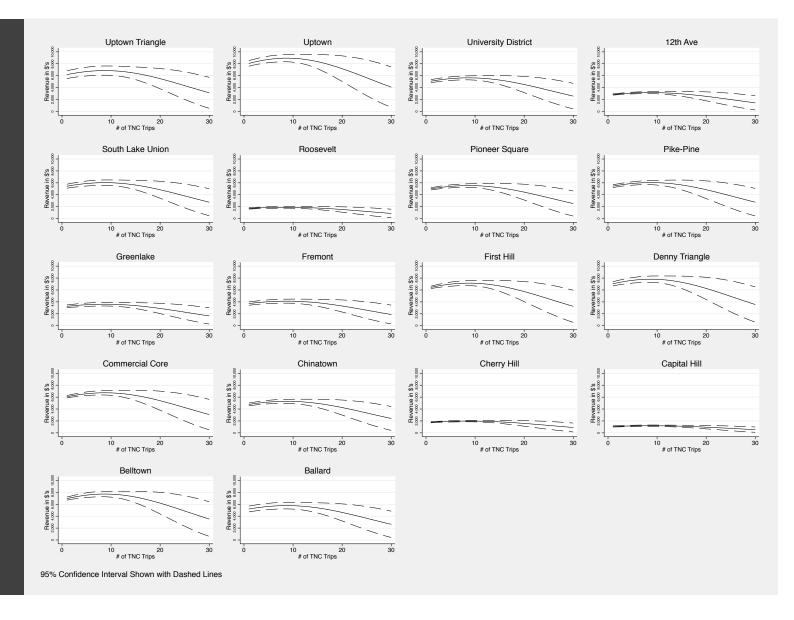
\$1,185 less (81% \J)

# Revenue is predicted to peak at about half of current observed max 2016 ridership

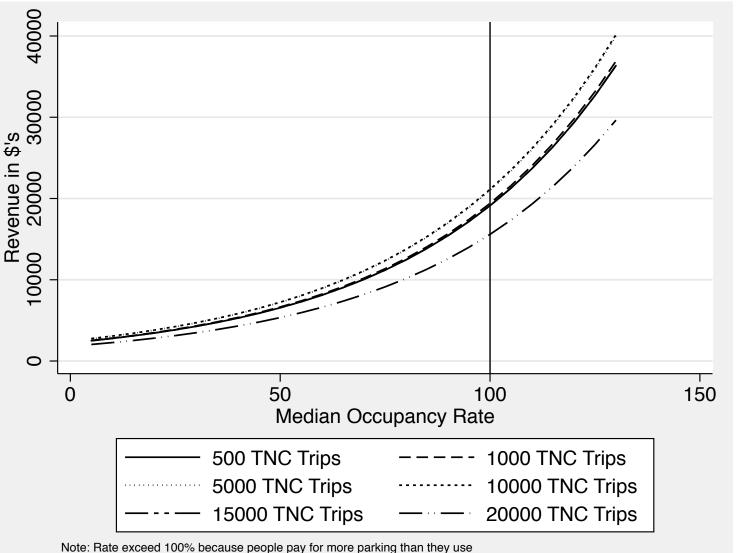
Or about 7,500 trips & \$ 1,625



#### Total Revenue



**Total** Revenue **By Parking Occupancy** & # of Trips





What's next for cites?

## Managing parking for occupancy—the Seattle Policy—will result in lower revenues.

In the near term, and at current (or even higher) ride-hailing use, don't expect parking revenues to fall.

In long-term...Revenue will decline over time with no policy change.

Use this opportunity to reshape public rights-of-way for new or different uses.

# Covid-19 caveat: We don't know how the pandemic will change habits in the future



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