
Next Mobility Super Link

Aego Yu, Mitzi Qu, Alex Fang, Wilson Deng, Hongyu Li
University of Washington
Rensselaer Polytechnic Institute

The Problems of Current Bike Sharing Solution

Harder and harder to find a rideable sharing bike on the street

Cannot ride the bike during rainy, windy, or snowy weathers

Riding bike is not disability-friendly

—

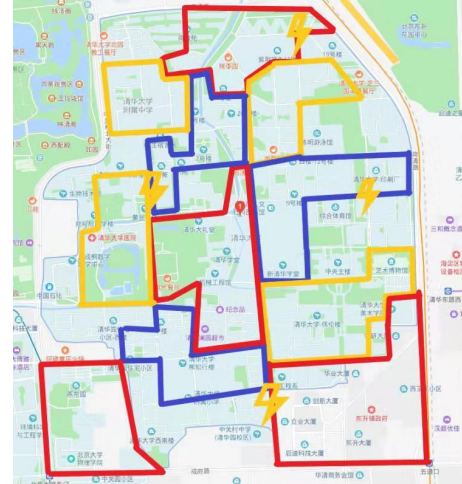
**We Have A
Better Solution**

- **Better Comfortability**
Better Cost Performance
Higher Efficiency
Eco-Friendly
Disability-Friendly
Futuristic

...

What is Super Link?

- A Self-Driving electric shuttle closed-loop transportation solution
- Shuttle Dispatch AI System + App
- We don't make shuttles!
- We provide solutions!



Graph Theory

Community Structure

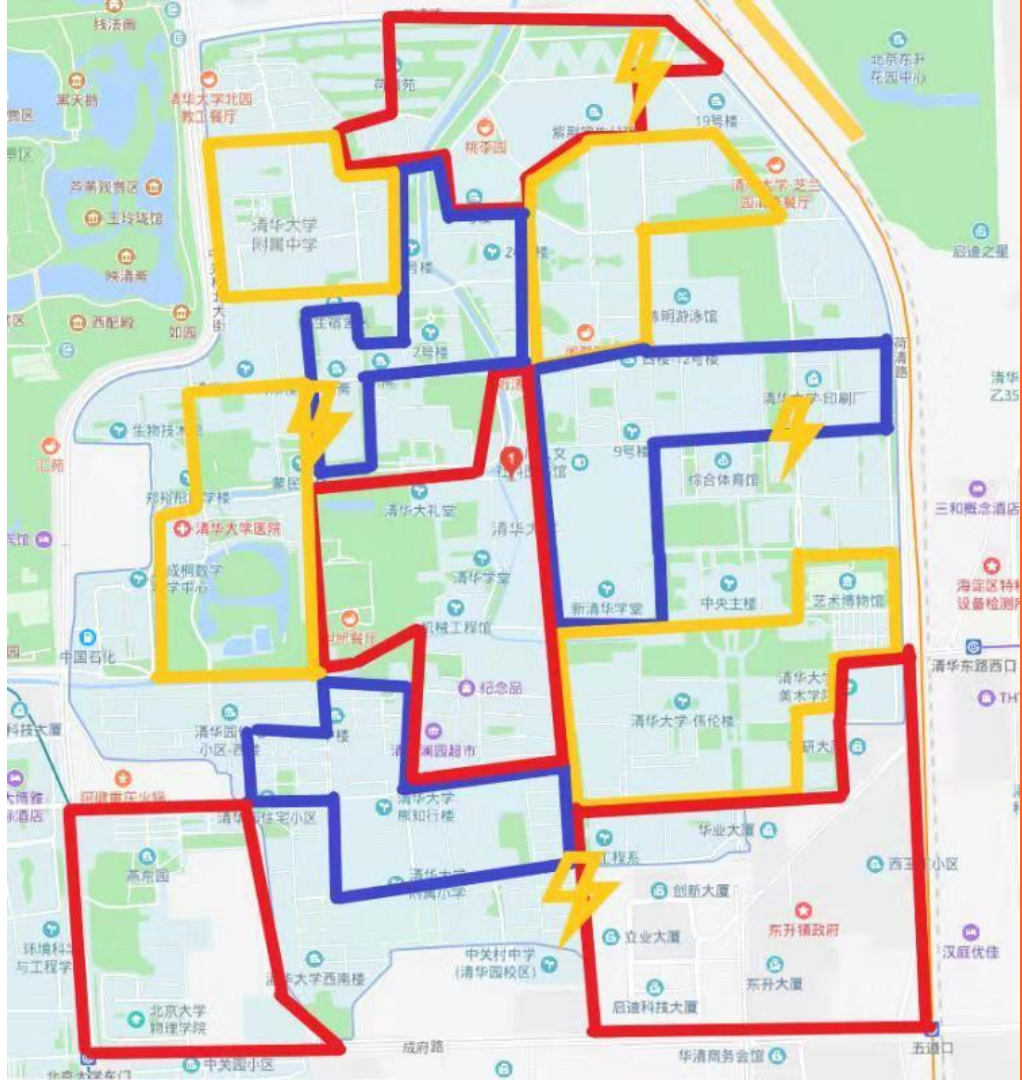
Statistical Inference to find community

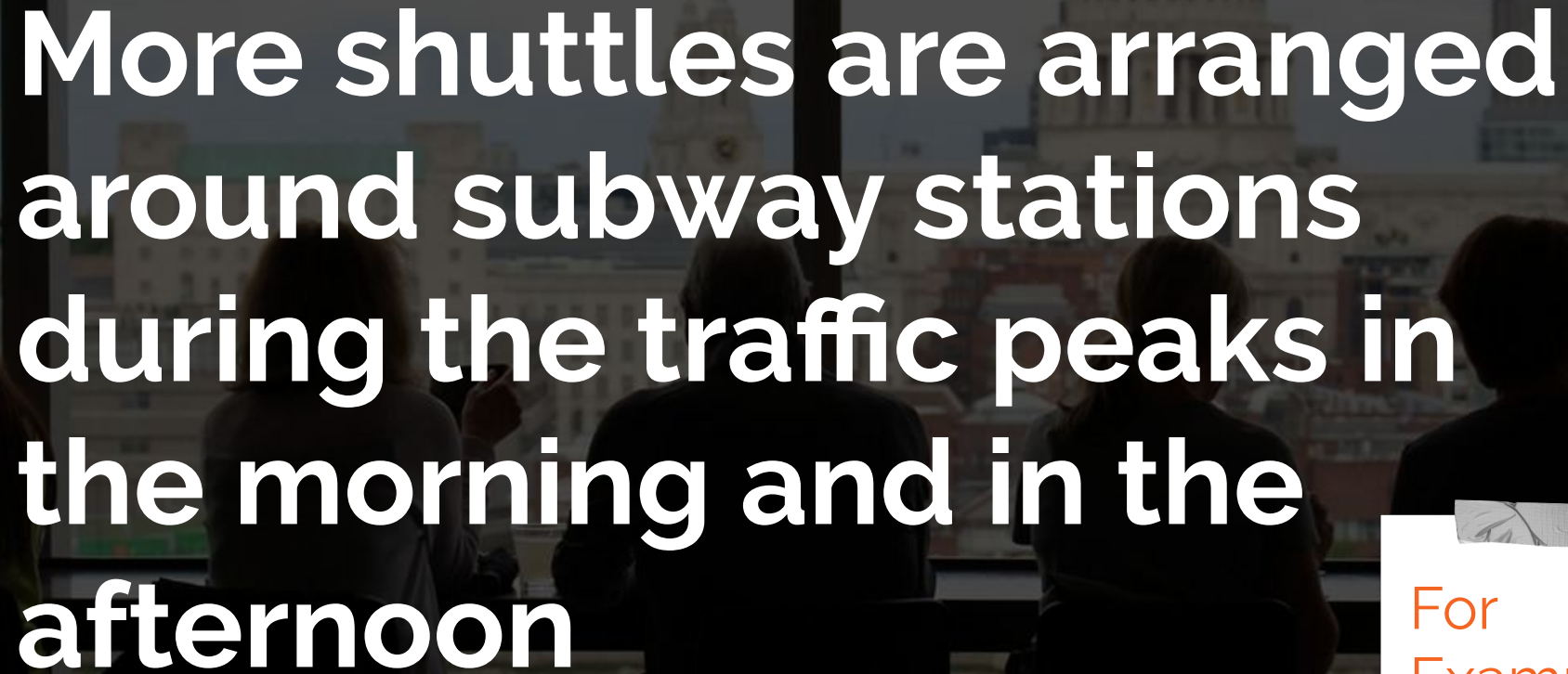
Commonly used in web searching

Using Node to represent road crossing

Giving weight to different nodes

Flexible Closed-Loop routes





More shuttles are arranged
around subway stations
during the traffic peaks in
the morning and in the
afternoon

For
Example

10:30



10:30



10:30



APP Demo

Where
do you want to go?

Type Location Here



I'm listening ...

Where
do you want to go?

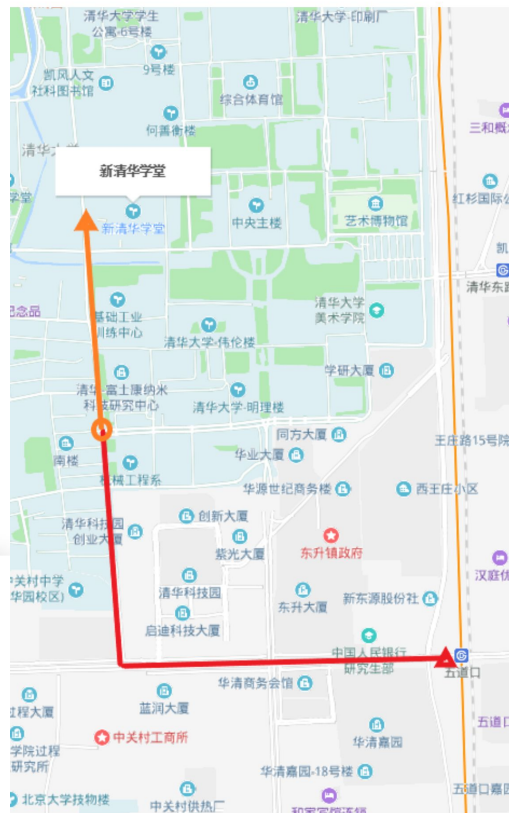
Type Location Here



We are planning routes



Planned Route
By SUPERLINK





Our Clients

→ Universities

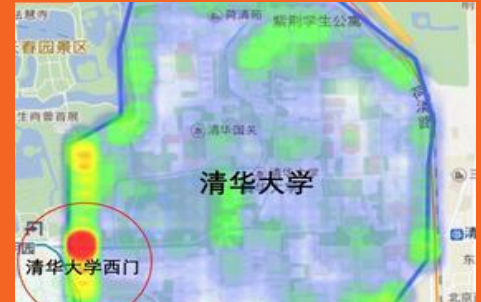
University campus is large, and many are unwalkable.

→ Company/Industry (Cluster)

Company/Industry Cluster such as Zhongguancun is crowded and far from the center to the subway or other public transportation

→ Governments

Needs to transport people in/out of the populated areas
(hospital/attractions/clubs) more effectively



Q&A

Thank You!
