

Survey Design

Section 1: Questions regarding people's awareness towards advances on AVs.

Section 2: Questions about people's travel characteristics.

Section 3: Factors affecting people's behavioral intention to ride in AVs.

Section 4: Mode choice experiment.

Section 5: Socio-demographic questions.

Market Segmentation Analysis

CHICAGO

	21.00%	20.00%	29.25%	14.75%	15.00%
	Innovators	Early Adopters	Early Majority	Late Majority	Laggards
Gender	♂	♀	♀	♂	♂
Commute Trips	🚗	🚗	🚗	🚗	🚗
Age	< 34 years old	25-34 years old	35-44 years old	45-54 years old	>55 years old
Income	\$\$\$	\$\$\$\$	\$	\$\$\$\$\$	\$\$
Vehicle Ownership	🚗	🚗	🚗	🚗	🚗
Household Size	👤👤👤	👤👤	👤👤👤	👤👤	No 🧑

INDIANAPOLIS

	13.75%	24.50%	26.25%	21.00%	14.50%
	Innovators	Early Adopters	Early Majority	Late Majority	Laggards
Gender	♂	♀	♀	♀	♀
Commute Trips	🚗	🚗	🚗	🚗	🚗
Age	<34 years old	<44 years old	35-54 years old	>45 years old	>55 years old
Income	\$\$\$\$\$	\$\$\$\$	\$	\$\$\$	\$\$
Vehicle Ownership	🚗	🚗	🚗	🚗	🚗
Household Size	👤👤👤	👤👤	👤👤	👤👤	👤👤

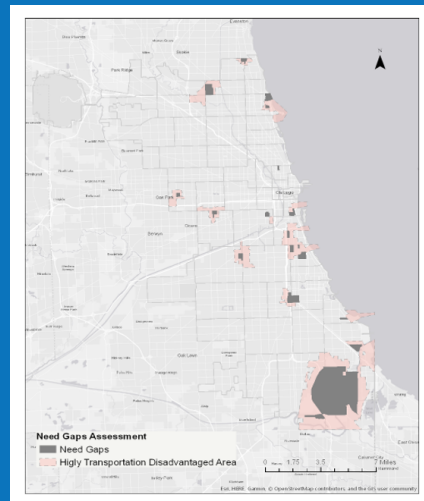
Multi-spatial Perspective Approach

Accessibility: What opportunities are close to the area?

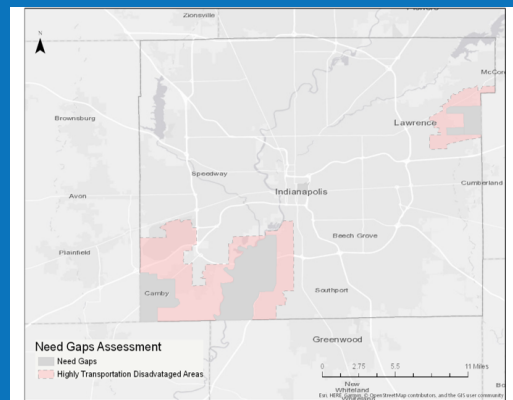
Mobility: What are the demographics of the area?

Outcome: How much does a person in a certain area drive daily?

CHICAGO TRANSPORTATION DISADVANTAGED AREAS



INDIANAPOLIS TRANSPORTATION DISADVANTAGED AREAS



Key Takeaways

Chicago seems to be more innovative than Indianapolis about the adoption of AVs.

Innovators are young people who commute via transit and walking.

Late adopters are mainly female, older than 45 who often commute by car.

Non-transportation disadvantaged areas have higher access to transit stops and interstates, among other factors.

Disadvantaged areas in Chicago are scattered throughout Cook county.

Disadvantaged areas in Indianapolis are located in the south and east part of Marion County.