Micromobility and public transit survey

We kindly ask you to cite the following paper if you this survey instrument benefits your research:

Yan, X., Zhao, X., Broaddus, A., Johnson, J., & Srinivasan, S. (2023). [Evaluating shared e-scooters’ potential to enhance public transit and reduce driving](https://doi.org/10.1016/j.trd.2023.103640). *Transportation Research Part D: Transport and Environment*, 117, 103640.

Start of Block: Mode use and attitudes

\* **Research Participant Informed Consent Form**  
Please read this page before you decide to participate in this research study. **Your participation is voluntary, and you can decline to participate, or withdraw consent at any time, with no consequences.**  
  
\* **Study Title:**  
Identifying Multimodal Mobility Hubs in Florida  
  
\* **Person(s) conducting the research:**  
PI: Xiang Yan, Department of Civil and Coastal Engineering, Email: xiangyan@ufl.edu  
  
\* **Study description**

You are invited to participate in a research study being conducted by the Southeastern Transportation Research, Innovation, Development and Education (STRIDE) Center on shared micromobility, which includes e-scooters and e-bikes. The overall objective of this research is to help cities across the U.S. better manage these new travel modes and to make them serve as convenient and safe travel options on urban streets.

\* **Time required:**  
This survey will take around 15 minutes to complete.  
  
\* **Risk and Confidentiality:**  
There are no risks or discomfort anticipated. Your participation in this research is confidential. The data captured does not include any personally identifiable information about you and your answers to all questions will remain confidential. If the results of this study are published or presented at a professional conference, only aggregated results will be stated.   
  
\* **Withdrawal from the study:**  
You are free to withdraw your consent and to stop participating in this study at any time without consequence. You can decline to answer any question you don’t wish to answer.   
If you withdraw, your information will be discarded.  
The researcher(s) cannot withdraw you from the study.  
If you wish to discuss the information above or any discomfort you may experience, please contact Xiang Yan at xiangyan@ufl.edu  
If you have any questions regarding your rights as a research subject for this study, please contact the Institutional Review Board (IRB02) office (University of Florida; PO Box 100173; Gainesville, FL 32610; (352) 392-0433 or irb2@ufl.edu.)  
  
\* **Agreement:**  
Now that you’ve read about the study, if you wish to participate, click the “I agree to participate” button to continue; if you do not consent to participate, click “I do not wish to participate” or just close this window.

By clicking the button below, you acknowledge:

* I consent, begin the study (1)
* I do not consent, I do not wish to participate (2)

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QID91 Before we start, we would like to distinguish what we mean by "scooters" and "e-scooters."   
  
 

QID94 In the past 30 days, have you traveled with these following modes? (Please select all that apply.)

* Personal vehicle (1)
* Walking (2)
* Public transit (5)
* Biking (including e-bikes) (8)
* Scooter or moped (3)
* E-scooter (4)
* Taxi or ridehail (Uber/Lyft) (6)
* Carsharing (e.g., Zipcar) (7)

Display This Question:

If In the past 30 days, have you traveled with these following modes? (Please select all that apply.) = Public transit

QID56 In the past 30 days, how often did you use public transit?

* Never (1)
* Rarely (less than once per month) (2)
* Occasionally (less than once per week) (3)
* 1-2 times per week (4)
* 3-4 times per week (5)
* 5 or more times per week (6)

Skip To: End of Survey If In the past 30 days, how often did you use public transit? = Never

Display This Question:

If In the past 30 days, have you traveled with these following modes? (Please select all that apply.) = E-scooter

QID19 In the past 30 days, how often did you ride e-scooters (either personal or shared e-scooters)?

* I have never ridden e-scooters (1)
* I have only ridden once (2)
* Occasionally, but less than once per week (3)
* 1-2 times per week (4)
* 3-4 times per week (5)
* 5 or more times per week (6)

Skip To: End of Survey If In the past 30 days, how often did you ride e-scooters (either personal or shared e-scooters)? = I have never ridden e-scooters

Display This Question:

If In the past 30 days, have you traveled with these following modes? (Please select all that apply.) = Taxi or ridehail (Uber/Lyft)

QID57 In the past 30 days, how often did you use Uber or Lyft?

* Never (1)
* Rarely (less than once per month) (2)
* Occasionally (less than once per week) (3)
* 1-2 times per week (4)
* 3-4 times per week (5)
* 5 or more times per week (6)

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QID82 After COVID-19 is no longer a threat, how do you expect your use of following modes of travel to change?

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|  | Much less than before (1) | Somewhat less than before (2) | About the same (3) | Somewhat more than before (4) | Much more than before (5) |
| Personal vehicle (13) |  |  |  |  |  |
| Walking (14) |  |  |  |  |  |
| Public transit (17) |  |  |  |  |  |
| Biking (including e-bikes) (20) |  |  |  |  |  |
| Scooter or moped (15) |  |  |  |  |  |
| E-scooter (16) |  |  |  |  |  |
| Taxi or Ridehail (Uber/Lyft) (18) |  |  |  |  |  |
| Carsharing (e.g., Zipcar) (19) |  |  |  |  |  |

QID10 How important is each of the following factors in selecting your mode of travel?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Extremely important (1) | Very important (2) | Moderately important (3) | Slightly important (4) | Not at all important (5) |
| ⊗Cost (1) |  |  |  |  |  |
| ⊗Time (2) |  |  |  |  |  |
| ⊗Reliability (3) |  |  |  |  |  |
| ⊗Comfort (4) |  |  |  |  |  |
| ⊗Safety (5) |  |  |  |  |  |
| ⊗Environmental impacts (6) |  |  |  |  |  |

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QID90 How much do you agree with the following statements:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly disagree (1) | Sort of disagree (2) | Neutral (3) | Sort of agree (6) | Strongly agree (7) |
| Riding e-scooters is a safe way to get around. (2) |  |  |  |  |  |
| The city has enough bike lanes to accommodate e-scooter use. (3) |  |  |  |  |  |
| The city has enough space for proper e-scooter parking. (6) |  |  |  |  |  |
| The arrival of shared e-scooters is a good thing for the city. (1) |  |  |  |  |  |
| Shared e-scooters can strengthen the operations of public transit (e.g., e-scooters can facilitate last-mile transit connection). (5) |  |  |  |  |  |
| Shared e-scooters will make people use transit less. (4) |  |  |  |  |  |

QID93 How much do you agree with the following statements:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly disagree (1) | Sort of disagree (2) | Neutral (3) | Sort of agree (6) | Strongly agree (7) |
| I hope to live without car. (1) |  |  |  |  |  |
| I definitely want to own a car. (3) |  |  |  |  |  |
| I try to use public transit whenever I can. (6) |  |  |  |  |  |
| I try to travel with non-motorized modes (biking and walking) as much as I can. (5) |  |  |  |  |  |
| I am confident in my ability to use new technologies (e.g., a smartphone app). (4) |  |  |  |  |  |
| Learning how to use new technologies is often frustrating for me. (8) |  |  |  |  |  |
| As a general principle, I'd rather own things than rent them. (9) |  |  |  |  |  |

End of Block: Mode use and attitudes

Start of Block: Demographic and Socioeconomic

QID22 Are you a :

* Male (1)
* Female (2)
* Nonbinary / Gender nonconforming (3)

QID28 What is your age?

* Under 25 (13)
* 25 - 29 (14)
* 30 - 39 (15)
* 40 - 49 (16)
* 50 - 59 (17)
* 60 - 69 (18)
* 70 or over (19)

QID23 How many motor vehicles (cars, trucks, SUVs, vans, RVs, and motorcycles that are in working order) are there in your household?

* 0 (7)
* 1 (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 (5)
* 6 or more (6)

QID67 Do you have a driver license?

* Yes (1)
* No (2)

QID24 How many people (including yourself) currently live in your household?

* 1 (1)
* 2 (2)
* 3 (3)
* 4 (4)
* 5 (5)
* 6 or more (6)

QID75 Are you a student?

* No, not a student (1)
* Part-time student (2)
* Full-time student (3)

QID74 What is your employment status?

* Employed full time (30+ hours/week, paid) (1)
* Employed part-time (fewer than 35 hours/week, paid) (2)
* Self-employed (3)
* Homemaker (4)
* Retired (5)
* Unpaid volunteer or intern (6)
* Not currently employed but looking for work (7)
* Not current employed and not looking for work (8)

QID29 Which category best represents your annual household income in the past year?

* Less than $25,000 (1)
* $25,000 - $49,999 (2)
* $50,000 - $74,999 (4)
* $75,000 - $99,999 (6)
* $100,000 - $124,999 (7)
* $125,000 - $149,999 (5)
* $150,000 or more (8)

QID26 What is your highest educational level?

* Less than high school (1)
* High school graduate (2)
* Vocational or technical training (3)
* Associate's degree or some college (4)
* Bachelor's degree (5)
* Post-graduate degree (e.g., MA, MS, Ph.D., MD, JD) (6)

QID25 Which race/ethnicity best describes you?

* American Indian or Alaskan Native (1)
* Asian (2)
* Black or African American (3)
* Hispanic or Latino (4)
* Native Hawaiian or other Pacific Islander (5)
* White or Caucasian (6)
* Other, please specify (7) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

QID43 Do any of the following statements apply to you? (Please select all that apply)

* I don't own a smartphone (1)
* I don't have a data plan (2)
* I don't have internet access at home (3)
* I don't have a banking account or a credit card (4)
* I have a disability that makes it hard for me to get on an inaccessible vehicle (5)
* None of above (6)

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QID27 Please enter the email address that you would like to receive the $5 Amazon gift card.

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End of Block: Demographic and Socioeconomic

Start of Block: Transit users

Display This Question:

If In the past 30 days, have you traveled with these following modes? (Please select all that apply.) = Public transit

QID64 Please rate your satisfaction for [transit agency] regarding the following items on a 5-point scale (5 is the highest rating).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1 (1) | 2 (2) | 3 (3) | 4 (4) | 5 (5) |
| Cleanliness/sanitation (1) |  |  |  |  |  |
| Convience (2) |  |  |  |  |  |
| Access to key destinations (3) |  |  |  |  |  |
| Ease of getting to bus stops (4) |  |  |  |  |  |
| On-time performance (5) |  |  |  |  |  |
| Frequency of service (6) |  |  |  |  |  |
| Hours of operation (7) |  |  |  |  |  |
| Ease of transfer (8) |  |  |  |  |  |
| Safety (9) |  |  |  |  |  |

QID33 When you use transit, how do you usually travel to the transit stops (and from the transit stop to your destination)? Please select up to two options.

* Walk (1)
* Bike (2)
* Drive or be dropped off by someone (3)
* Use Uber or Lyft (4)
* Others, please specify (5) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

QID31 Which of the following is most likely to make you ride the bus more often? Please select up to three options.

* After COVID-19 is no longer a threat (11)
* Lower fare (2)
* Shorter travel time (3)
* Shorter waiting time (4)
* Better on-time performance (5)
* Bus stops closer to home/workplace and key destinations (6)
* Better earlier morning/later night/weekend services (7)
* Fewer transfers (8)
* Improved safety (9)
* None of above. I am not more likely to use the bus (1)
* Other, please specify (10) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: Transit users

Start of Block: Last-mile problem of transit

QID104 When you travel, how often is public transit an option that you consider (regardless of which travel mode you end up using)?

* Never, I do not use public transit at all (1)
* Occassionally (2)
* Sometimes (6)
* Frequently (7)
* Always (8)

QID53 How often have you considered using public transit for a trip but ended up not doing it?

* Never (1)
* Ocassionally (2)
* Sometimes (3)
* Frequently (4)

Display This Question:

If How often have you considered using public transit for a trip but ended up not doing it? != Never

QID34 When you considered using public transit for your trips but ended up not doing it, is **transit stops being too far away** (either from your trip origins or destinations) an important factor in these decisions?

* Yes, almost always (1)
* Yes, but only sometimes (2)
* No, I did not use transit for other reasons (3)

Display This Question:

If When you considered using public transit for your trips but ended up not doing it, is transit sto... = Yes, but only sometimes

Or When you considered using public transit for your trips but ended up not doing it, is transit sto... = Yes, almost always

QID58 Have you considered using shared e-scooters to connect with transit stops when they are too far away to walk to?

* No, I have never considered it (1)
* Yes, but I rarely do (2)
* Yes, I sometimes do (3)
* Yes, I frequently do (4)

Display This Question:

If Have you considered using shared e-scooters to connect with transit stops when they are too far a... = No, I have never considered it

Or Have you considered using shared e-scooters to connect with transit stops when they are too far a... = Yes, but I rarely do

QID59 You have indicated that you rarely or never considered using shared e-scooters to reach transit stops. Please tell us why. (Please select all that apply.)

* Other travel options available to me are more convenient than taking a "e-scooter + transit" trip (6)
* I do not use shared e-scooters at all (1)
* Shared e-scooters are expensive to use (2)
* Shared e-scooters are unsafe to use (3)
* Shared e-scooters are often hard to find at where I live/work (4)
* It is difficult to find parking space for the shared e-scooters (5)
* Other, please specify (8)

Display This Question:

If Have you considered using shared e-scooters to connect with transit stops when they are too far a... = Yes, I sometimes do

Or Have you considered using shared e-scooters to connect with transit stops when they are too far a... = Yes, I frequently do

QID62 You have indicated that you sometimes or frequently considered using shared e-scooters to reach transit stops. Did you often end up doing so?

* Always (1)
* Most of the time (2)
* About half the time (3)
* Sometimes (4)
* Never (5)

Display This Question:

If Have you considered using shared e-scooters to connect with transit stops when they are too far a... = Yes, I sometimes do

Or Have you considered using shared e-scooters to connect with transit stops when they are too far a... = Yes, I frequently do

QID63 If you ended up not using shared e-scooters to reach transit stops even though you considered it, why? (Please select all that apply)

* Other travel options available to me are more convenient than taking a "e-scooter + transit" trip (5)
* Shared e-scooters are expensive to use (1)
* Shared e-scooters are often hard to find at where I live/work (2)
* Shared e-scooters are unsafe to use (3)
* It is difficult to find parking space for the shared e-scooters (4)
* Other, please specify (6) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: Last-mile problem of transit

Start of Block: E-scooter users

QID18 What are the top trip purposes for which you use e-scooters? (Please select up to three from the following)

* Go to or from work (1)
* Go to or from school (2)
* Shopping or errands (5)
* For fun/creation (6)
* To attend social activities (4)
* Connect with public transit (3)
* Others, please specify (7) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

QID17 Roughly speaking, what proportion of your e-scooter trips were to connect with public transit?

* None of them (13)
* Less than 1/4 of them (18)
* A quarter to half of them (14)
* A quarter to three quarters of them (15)
* More than three quarters of them (16)

QID109 Do you own an e-scooter?

* Yes (1)
* No, but I plan to purchase one in the future (2)
* No, and I do not plan to purchase one in the future (4)

Display This Question:

If Do you own an e-scooter? = Yes

QID110 Do you travel with shared e-scooters?

* No, I only use my own e-scooter (1)
* Yes, but for less than half of my e-scooter trips (2)
* Yes, and for more than half of my e-scooter trips (3)

End of Block: E-scooter users

Start of Block: Shared e-scooter users

QID15   
Think about your last shared e-scooter trip in [City]. If a shared e-scooter had not been available, how would you have gotten around?

* Would not have taken the trip (1)
* Walked (2)
* Driven a car or ridden as a passenger (3)
* Take public transit (4)
* Biked (5)
* Other, please specify (6) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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QID61 Which payment options do you use regularly for your shared e-scooter trips? (Select all that apply)

* Pay on a per-trip basis (1)
* Buy hourly passes (2)
* Buy two-hourly passes (3)
* Buy daily passes (4)
* Buy monthly passes (5)
* I am enrolled in the low-income pass program (6)

QID20 Please tell us how the arrival of shared e-scooters in the city have changed your use of other modes. Since you started to use shared e-scooters, you...

|  |  |  |  |
| --- | --- | --- | --- |
|  | Less often (1) | About the same (2) | More often (3) |
| Walked (1) |  |  |  |
| Drove a car (2) |  |  |  |
| Rode a scooter/moped (3) |  |  |  |
| Biked (4) |  |  |  |
| Took public transit (5) |  |  |  |
| Used Uber or Lyft (6) |  |  |  |
| Used Zipcar, Car2go, or other carsharing (7) |  |  |  |

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QID21 What changes would encourage you to use shared e-scooters more often? (Please select all that apply).

* Lower cost (1)
* Easier to find a shared e-scooter when I need to use one (2)
* Larger service area for shared e-scooters (3)
* More parking space for e-scooters (4)
* More bike lanes to make e-scooter use safer (5)
* None of these changes would encourage me to use shared e-scooters more often (6)
* Other, please specify (7) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

QID39 What changes would increase your use of **shared** e-scooters to connect with public transit? (Please select all that apply).

* Integrated payment options (i.e., paying e-scooter and transit trips with a same card or same app) (1)
* Bundled "e-scooter + transit" fare (i.e., getting a discount on the e-scooter fare) (2)
* Better bike infrastructure to travel to transit stops (7)
* More e-scooters available at transit stops (4)
* More e-scooter parking space at transit stops (3)
* None of them (5)
* Other, please specify (6) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Display This Question:

If What changes would increase your use of shared e-scooters to connect with public transit? (Please... = Bundled "e-scooter + transit" fare (i.e., getting a discount on the e-scooter fare)

QID68 What type of "transit + e-scooter" fare bundling would be most useful to you?

* Single ride (one transit trip + one scooter trip) (1)
* 2-hour fare (unlimited use of transit and scooters for two hours) (2)
* 24-hour fare (unlimited use of transit and scooters for 24 hours) (3)
* 7-day fare (unlimited use of transit and scooters for 7 days) (4)
* 30-day fare (unlimited use of transit and scooters for 30 days) (5)
* Other, please specify (6) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Display This Question:

If What changes would increase your use of shared e-scooters to connect with public transit? (Please... = Bundled "e-scooter + transit" fare (i.e., getting a discount on the e-scooter fare)

QID89 What type of the following is most attractive for you to purchase a bundled "transit + scooter" fare?

* Waiver of the $1 unlock fee (4)
* 25% discount on the per minute rate for the e-scooter trip (1)
* Future scooter ride credit ($3 value) (2)
* 25% discount for a retail partner (i.e. Starbucks) (3)

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Q324 Thank you very much for your responses! We have some additional questions that will take you about 5-7 minutes to answer, and you will get an additional $2 rider credit if you do so. Do you want to continue answering these questions?

* Yes, I would like to continue and get a total of $5 rider credits (1)
* No, I want to stop here and get $3 rider credits (2)

End of Block: Shared e-scooter users

Start of Block: Incentives -- $3

Q323 Thank you for participating in the survey! Here is the promo code that you can use to redeem a $3 rider credit on the Spin app:   
**SUR321**  
   
 To redeem, please open your Spin app, touch the gift icon on the upper right of the screen. On the "Earn free rides" page, type in the Promo code.

End of Block: Incentives -- $3

Start of Block: Description of a recent trip

QID98   
Thank you for your answers so far. Now, we'll ask you to provide details about a one-way trip that you made within the last week. Please think of a trip that is no longer than 10 miles.   
    
We will ask you to estimate the trip distance, the travel time, and the trip costs. Note: Please consider using GoogleMaps to help with the estimates of trip distance and travel time.   
    
    
Which was the purpose of this trip?

Display This Choice:

If Quota Work Has Not Been Met

* Go to or from work (1)

Display This Choice:

If Quota School Has Not Been Met

* Go to or from school (2)

Display This Choice:

If Quota Shopping/Errands Has Not Been Met

* Shopping or errands (4)

Display This Choice:

If Quota Social/Entertainment Has Not Been Met

* Social/entertainment (3)
* If none of the above, please think of a different trip instead (7)

QID105   
Which travel mode did you use for this trip?

Display This Choice:

If Quota Driving Has Not Been Met

* Personal vehicle (1)
* Walking (7)
* Public transit (8)
* Taxi/Uber/Lyft (2)
* If none of the above, please think of a different trip instead (9)

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QID46 Approximately, how many miles is this trip? Please fill in a number. For example, enter "1.5" (NOT 1.5 miles) if you traveled 1.5 miles. 

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QID127 Approximately, how many minutes did it take you to complete this trip? Please fill in a number. For example, enter "30" (NOT 30 min) if it took you 30 miles. 

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Display This Question:

If Which travel mode did you use for this trip? = Personal vehicle

QID129 In this trip, approximately how many **minutes** did you spend on each of the following? Please fill in numbers.   
   
 Based on your response above, the four numbers to be inserted should add up to ${QID127/ChoiceTextEntryValue} minutes.

* Walk to car (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Drive/ride in the car (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Find parking (3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Get to destination from parking lot (4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Display This Question:

If Which travel mode did you use for this trip? = Public transit

QID132 In this trip, approximately how many **minutes** do you spend on each of the following? If you have taken a transfer(s), please add waiting time and riding time for each ride together.   
   
 Based on your response above, the four numbers to be inserted should add up to ${QID127/ChoiceTextEntryValue} minutes.

* Walk to bus stop (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Wait for bus (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Ride the bus (3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Get to destination from bus stop (4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Display This Question:

If Which travel mode did you use for this trip? = Taxi/Uber/Lyft

QID135 In this trip, approximately how many **minutes** do you spend on each of the following?  
   
 Based on your response above, the two numbers to be inserted should add up to ${QID127/ChoiceTextEntryValue} minutes.

* Wait for taxi/Uber/Lyft (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Ride the taxi/Uber/Lyft (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Display This Question:

If Which travel mode did you use for this trip? = Public transit

QID131 How many transfers did you make?

* 0 (1)
* 1 (2)
* 2 (3)
* 3 (4)

Display This Question:

If Which travel mode did you use for this trip? = Public transit

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QID133 How much did you pay for the transit ticket? Please fill a number (for example, enter "2.25” if you paid $2.25).

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Display This Question:

If Which travel mode did you use for this trip? = Taxi/Uber/Lyft

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QID107 How much did you pay for this trip? Please fill in a number. For example, enter "5" (NOT $5) if it costs you $5.

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Display This Question:

If Which travel mode did you use for this trip? = Personal vehicle

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QID101 For this trip, how much did you pay for parking? Please fill in a number. For example, enter "0" if parking is free; and enter "1.25" (NOT $1.25) if you paid a dollar and twenty-five cents.

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| Page Break |  |

Display This Question:

If Which travel mode did you use for this trip? = Taxi/Uber/Lyft

QID114 According to your answers:   
You recently made a one-way taxi or Uber/Lyft trip with the following characteristics:   
  The trip purpose is **${QID98/ChoiceGroup/SelectedChoices}**. The trip costs you **$${QID107/ChoiceTextEntryValue}**. The trip distance is approximately **${QID46/ChoiceTextEntryValue} miles**. The trip duration is approximately **${QID127/ChoiceTextEntryValue} minutes**.   
    
**If the above information is not correct, please go back and revise your answers.**

Display This Question:

If Which travel mode did you use for this trip? = Personal vehicle

QID103 According to your answers:   
You recently made a one-way car trip with the following characteristics:   
  The trip purpose is **${QID98/ChoiceGroup/SelectedChoices}**. The trip distance is approximately **${QID46/ChoiceTextEntryValue} miles**. The trip duration is approximately **${QID127/ChoiceTextEntryValue} minutes**. You paid **$${QID101/ChoiceTextEntryValue}** for parking.   
    
**If the above information is not correct, please go back and revise your answers.**

Display This Question:

If Which travel mode did you use for this trip? = Walking

QID136 According to your answers:   
You recently made a one-way walking trip with the following characteristics:   
  The trip purpose is **${QID98/ChoiceGroup/SelectedChoices}**. The trip distance is approximately **${QID46/ChoiceTextEntryValue} miles**. The trip duration is approximately **${QID127/ChoiceTextEntryValue} minutes**.   
    
**If the above information is not correct, please go back and revise your answers.**

Display This Question:

If Which travel mode did you use for this trip? = Public transit

QID137 According to your answers:   
You recently made a one-way transit trip with the following characteristics:   
  The trip purpose is **${QID98/ChoiceGroup/SelectedChoices}**. The trip distance is approximately **${QID46/ChoiceTextEntryValue} miles**. The trip duration is approximately **${QID127/ChoiceTextEntryValue} minutes**. You paid **$${QID133/ChoiceTextEntryValue}** for the transit fare.   
    
**If the above information is not correct, please go back and revise your answers.**

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| Page Break |  |

End of Block: Description of a recent trip

Start of Block: State-preference survey - escooters - car

Q295 The following sets of questions will ask you, for the one-way trip that you just described, whether you would still travel with a personal vehicle or switch to one of the following options under different circumstances: Use a shared e-scooter Use the "e-scooter + transit" option (either "e-scooter + metro" or "e-scooter + bus"). That is, you would combine the use of a shared e-scooter and public transit for the trip that you have just described.

Q148   
Consider the following choice situation:   ${QID105/ChoiceGroup/SelectedChoices} E-scooter E-scooter+bus **Travel cost** $$e{ q://QID46/ChoiceTextEntryValue \* 0.2 + q://QID101/ChoiceTextEntryValue } $$e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 9 \* 0.4 + 1 , 1 ) } $$e{ round( 60 / 9 \* 0.2 + 0.5 + 2 , 1 ) } **Total travel time** $e{ q://QID127/ChoiceTextEntryValue } min $e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 9 , 1 ) } min $e{ round( ( q://QID46/ChoiceTextEntryValue - 1 ) \* 60 / 10 + 60 / 9 + 3, 1 ) } min   
 Note: the travel cost for personal vehicle includes parking costs and estimated gas costs.  
   
 Which travel option would you choose?

* ${QID105/ChoiceGroup/SelectedChoices} (7)
* E-scooter (8)
* E-scooter + bus (9)

Q300   
Consider the following choice situation:   ${QID105/ChoiceGroup/SelectedChoices} E-scooter E-scooter+metro **Travel cost** $$e{ q://QID46/ChoiceTextEntryValue \* 0.2 + q://QID101/ChoiceTextEntryValue } $$e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 9 \* 0.32 + 1 , 1 ) } $$e{ round( 60 / 9 \* 0.32 + 3 , 1 ) } **Total travel time** $e{ q://QID127/ChoiceTextEntryValue } min $e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 9 , 1 ) } min $e{ round( ( q://QID46/ChoiceTextEntryValue - 1 ) \* 60 / 30 + 60 / 9 + 3, 1 ) } min   
 Note: the travel cost for personal vehicle includes parking costs and estimated gas costs.  
   
 Which travel option would you choose?

* ${QID105/ChoiceGroup/SelectedChoices} (7)
* E-scooter (8)
* E-scooter + metro (9)

Q301   
Consider the following choice situation:   ${QID105/ChoiceGroup/SelectedChoices} E-scooter E-scooter+metro **Travel cost** $$e{ q://QID46/ChoiceTextEntryValue \* 0.2 + q://QID101/ChoiceTextEntryValue } $$e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 12 \* 0.32 + 1 , 1 ) } $$e{ round( 60 / 12 \* 0.16 + 0.5 + 3 , 1 ) } **Total travel time** $e{ q://QID127/ChoiceTextEntryValue } min $e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 12 , 1 ) } min $e{ round( ( q://QID46/ChoiceTextEntryValue - 1 ) \* 60 / 30 + 60 / 12 + 3, 1 ) } min   
 Note: the travel cost for personal vehicle includes parking costs and estimated gas costs.  
   
 Which travel option would you choose?

* ${QID105/ChoiceGroup/SelectedChoices} (7)
* E-scooter (8)
* E-scooter + metro (9)

Q302   
Consider the following choice situation:   ${QID105/ChoiceGroup/SelectedChoices} E-scooter E-scooter+bus **Travel cost** $$e{ q://QID46/ChoiceTextEntryValue \* 0.2 + q://QID101/ChoiceTextEntryValue } $$e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 12 \* 0.32 + 1 , 1 ) } $$e{ round( 60 / 12 \* 0.24 + 0.75 + 2 , 1 ) } **Total travel time** $e{ q://QID127/ChoiceTextEntryValue } min $e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 12 , 1 ) } min $e{ round( ( q://QID46/ChoiceTextEntryValue - 1 ) \* 60 / 10 + 60 / 12 + 3, 1 ) } min   
 Note: the travel cost for personal vehicle includes parking costs and estimated gas costs.  
   
 Which travel option would you choose?

* ${QID105/ChoiceGroup/SelectedChoices} (7)
* E-scooter (8)
* E-scooter + bus (9)

Q303   
Consider the following choice situation:   ${QID105/ChoiceGroup/SelectedChoices} E-scooter E-scooter+bus **Travel cost** $$e{ q://QID46/ChoiceTextEntryValue \* 0.2 + q://QID101/ChoiceTextEntryValue } $$e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 6 \* 0.32 + 1 , 1 ) } $$e{ round( 60 / 6 \* 0.32 + 0 + 2 , 1 ) } **Total travel time** $e{ q://QID127/ChoiceTextEntryValue } min $e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 6 , 1 ) } min $e{ round( ( q://QID46/ChoiceTextEntryValue - 1 ) \* 60 / 10 + 60 / 6 + 3, 1 ) } min   
 Note: the travel cost for personal vehicle includes parking costs and estimated gas costs.  
   
 Which travel option would you choose?

* ${QID105/ChoiceGroup/SelectedChoices} (7)
* E-scooter (8)
* E-scooter + bus (9)

Q304   
Consider the following choice situation:   ${QID105/ChoiceGroup/SelectedChoices} E-scooter E-scooter+metro **Travel cost** $$e{ q://QID46/ChoiceTextEntryValue \* 0.2 + q://QID101/ChoiceTextEntryValue } $$e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 6 \* 0.4 + 1 , 1 ) } $$e{ round( 60 / 6 \* 0.3 + 0.75 + 3 , 1 ) } **Total travel time** $e{ q://QID127/ChoiceTextEntryValue } min $e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 6 , 1 ) } min $e{ round( ( q://QID46/ChoiceTextEntryValue - 1 ) \* 60 / 30 + 60 / 6 + 3, 1 ) } min   
 Note: the travel cost for personal vehicle includes parking costs and estimated gas costs.  
   
 Which travel option would you choose?

* ${QID105/ChoiceGroup/SelectedChoices} (7)
* E-scooter (8)
* E-scooter + metro (9)

Q305   
Consider the following choice situation:   ${QID105/ChoiceGroup/SelectedChoices} E-scooter E-scooter+metro **Travel cost** $$e{ q://QID46/ChoiceTextEntryValue \* 0.2 + q://QID101/ChoiceTextEntryValue } $$e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 12 \* 0.4 + 1 , 1 ) } $$e{ round( 60 / 12 \* 0.4 + 3 , 1 ) } **Total travel time** $e{ q://QID127/ChoiceTextEntryValue } min $e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 12 , 1 ) } min $e{ round( ( q://QID46/ChoiceTextEntryValue - 1 ) \* 60 / 40 + 60 / 12 + 3, 1 ) } min   
 Note: the travel cost for personal vehicle includes parking costs and estimated gas costs.  
   
 Which travel option would you choose?

* ${QID105/ChoiceGroup/SelectedChoices} (7)
* E-scooter (8)
* E-scooter + metro (9)

Q306   
Consider the following choice situation:   ${QID105/ChoiceGroup/SelectedChoices} E-scooter E-scooter+metro **Travel cost** $$e{ q://QID46/ChoiceTextEntryValue \* 0.2 + q://QID101/ChoiceTextEntryValue } $$e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 9 \* 0.32 + 1 , 1 ) } $$e{ round( 60 / 9 \* 0.24 + 0.75 + 3 , 1 ) } **Total travel time** $e{ q://QID127/ChoiceTextEntryValue } min $e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 9 , 1 ) } min $e{ round( ( q://QID46/ChoiceTextEntryValue - 1 ) \* 60 / 40 + 60 / 9 + 3, 1 ) } min   
 Note: the travel cost for personal vehicle includes parking costs and estimated gas costs.  
   
 Which travel option would you choose?

* ${QID105/ChoiceGroup/SelectedChoices} (7)
* E-scooter (8)
* E-scooter + metro (9)

Q307   
Consider the following choice situation:   ${QID105/ChoiceGroup/SelectedChoices} E-scooter E-scooter+metro **Travel cost** $$e{ q://QID46/ChoiceTextEntryValue \* 0.2 + q://QID101/ChoiceTextEntryValue } $$e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 6 \* 0.32 + 1 , 1 ) } $$e{ round( 60 / 6 \* 0.16 + 0.5 + 3 , 1 ) } **Total travel time** $e{ q://QID127/ChoiceTextEntryValue } min $e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 6 , 1 ) } min $e{ round( ( q://QID46/ChoiceTextEntryValue - 1 ) \* 60 / 40 + 60 / 6 + 3, 1 ) } min   
 Note: the travel cost for personal vehicle includes parking costs and estimated gas costs.  
   
 Which travel option would you choose?

* ${QID105/ChoiceGroup/SelectedChoices} (7)
* E-scooter (8)
* E-scooter + metro (9)

Q319   
Consider the following choice situation:   ${QID105/ChoiceGroup/SelectedChoices} E-scooter E-scooter+metro **Travel cost** $$e{ q://QID46/ChoiceTextEntryValue \* 0.2 + q://QID101/ChoiceTextEntryValue } $$e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 9 \* 0.16 + 0.5 , 1 ) } $$e{ round( 60 / 9 \* 0.16 + 0.5 + 3 , 1 ) } **Total travel time** $e{ q://QID127/ChoiceTextEntryValue } min $e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 9 , 1 ) } min $e{ round( ( q://QID46/ChoiceTextEntryValue - 1 ) \* 60 / 35 + 60 / 9 + 3, 1 ) } min   
 Note: the travel cost for personal vehicle includes parking costs and estimated gas costs.  
   
 Which travel option would you choose?

* ${QID105/ChoiceGroup/SelectedChoices} (7)
* E-scooter (8)
* E-scooter + metro (9)

Q320   
Consider the following choice situation:   ${QID105/ChoiceGroup/SelectedChoices} E-scooter E-scooter+bus **Travel cost** $$e{ q://QID46/ChoiceTextEntryValue \* 0.2 + q://QID101/ChoiceTextEntryValue } $$e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 9 \* 0.16 + 0.5 , 1 ) } $$e{ round( 60 / 9 \* 0.16 + 0.5 + 2 , 1 ) } **Total travel time** $e{ q://QID127/ChoiceTextEntryValue } min $e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 9 , 1 ) } min $e{ round( ( q://QID46/ChoiceTextEntryValue - 1 ) \* 60 / 10 + 60 / 9 + 3, 1 ) } min   
 Note: the travel cost for personal vehicle includes parking costs and estimated gas costs.  
   
 Which travel option would you choose?

* ${QID105/ChoiceGroup/SelectedChoices} (7)
* E-scooter (8)
* E-scooter + bus (9)

End of Block: State-preference survey - escooters - car

Start of Block: State-preference survey - escooters - Walk

Q327 The following sets of questions will ask you, for the one-way trip that you just described, whether you would stick to how you traveled or switch to one of the following options under different circumstances: Use a shared e-scooter Use the "e-scooter + transit" option (either "e-scooter + metro" or "e-scooter + bus"). That is, you would combine the use of a shared e-scooter and public transit for the trip that you have just described.

Q328 Consider the following choice situation:   ${QID105/ChoiceGroup/SelectedChoices} E-scooter E-scooter+transit **Travel cost** $$e{ q://QID107/ChoiceTextEntryValue } $$e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 12 \* 0.35 + 1 , 1 ) } $$e{ round( 60 / 12 \* 0.35 + 1 + 2, 1 ) } **Total travel time** $e{ q://QID127/ChoiceTextEntryValue } min $e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 12 , 1 ) } min $e{ round( ( q://QID46/ChoiceTextEntryValue - 1 ) \* 60 / 40 + 60 / 12 + 3, 1 ) } min Which travel option would you choose?

* ${QID105/ChoiceGroup/SelectedChoices} (1)
* E-scooter (2)
* E-scooter + transit (4)

End of Block: State-preference survey - escooters - Walk

Start of Block: State-preference survey - escooters - transit

Q297 The following sets of questions will ask you, for the one-way trip that you just described, whether you would stick to how you travelled or switch to one of the following options under different circumstances: Use a shared e-scooter Use the "e-scooter + transit" option (either "e-scooter + metro" or "e-scooter + bus"). That is, you would combine the use of a shared e-scooter and public transit for the trip that you have just described.

Q247 The following sets of questions will ask you, under different situations, whether you would choose ${QID105/ChoiceGroup/SelectedChoices}or e-scooter for the trip that you have just described.  
   
 Consider the following choice situation:   ${QID105/ChoiceGroup/SelectedChoices} E-scooter E-scooter+transit **Travel cost** $$e{ q://QID133/ChoiceTextEntryValue } $$e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 12 \* 0.35 + 1 , 1 ) } $$e{ round( 60 / 12 \* 0.35 + 1 + 2, 1 ) } **Total travel time** $e{ q://QID127/ChoiceTextEntryValue } min $e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 12 , 1 ) } min $e{ round( ( q://QID46/ChoiceTextEntryValue - 1 ) \* 60 / 40 + 60 / 12 + 3, 1 ) } min   
 Which travel option would you choose?

* ${QID105/ChoiceGroup/SelectedChoices} (1)
* E-scooter (2)
* E-scooter + transit (4)

End of Block: State-preference survey - escooters - transit

Start of Block: State-preference survey - escooters - Uber

Q298 The following sets of questions will ask you, for the one-way trip that you just described, whether you would stick to how you traveled or switch to one of the following options under different circumstances: Use a shared e-scooter Use the "e-scooter + transit" option (either "e-scooter + metro" or "e-scooter + bus"). That is, you would combine the use of a shared e-scooter and public transit for the trip that you have just described.

Q256 Consider the following choice situation:   ${QID105/ChoiceGroup/SelectedChoices} E-scooter E-scooter+transit **Travel cost** $$e{ q://QID107/ChoiceTextEntryValue } $$e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 12 \* 0.35 + 1 , 1 ) } $$e{ round( 60 / 12 \* 0.35 + 1 + 2, 1 ) } **Total travel time** $e{ q://QID127/ChoiceTextEntryValue } min $e{ round( q://QID46/ChoiceTextEntryValue \* 60 / 12 , 1 ) } min $e{ round( ( q://QID46/ChoiceTextEntryValue - 1 ) \* 60 / 40 + 60 / 12 + 3, 1 ) } min Which travel option would you choose?

* ${QID105/ChoiceGroup/SelectedChoices} (1)
* E-scooter (2)
* E-scooter + transit (4)

End of Block: State-preference survey - escooters - Uber

Start of Block: Incentives -- $5

Q333 Thank you for participating in the survey! Here are the promo codes that you can use to redeem a $3 and $2 rider credit on the Spin app:  
SUR321 ($3), SUR221 ($2)  
  
To redeem, please open your Spin app, touch the gift icon on the upper right of the screen. On the "Earn free rides" page, type in the Promo code.

End of Block: Incentives -- $5