

Dear Phoenix Area Resident,

We are doing a research study to better understand residents' travel needs and opinions about transportation, and design future transportation options in the region. Your participation is very important. We ask that the adult (18 years old or older) with the birthday closest to today's date (month/day only) complete this survey. If that person is unwilling or unable to do so, any other adult in the household can complete the survey.

We are interested in your answer to every question, even those dealing with topics that might be less familiar to you. As a token of appreciation, the first 100 respondents will receive a **\$10 Amazon e-gift card or \$10 Visa gift card.**

Your participation in the study is purely voluntary and your individual responses will be treated in strict confidence. The results of the study will be published only in summary form, so that your identity and privacy are protected. The survey will take about 30-40 minutes to complete, but we think you'll find it interesting and fun to do.

You may return the completed questionnaire using the enclosed business reply envelope. Or, if you prefer, you can take the survey online at **www.asutransportsurvey.com** using the following access code:

Access Code: XXXX

Please mail completed surveys by **October 30, 2018.** Even if you are unable to send the completed survey by that date, we would still welcome your response as soon as possible.

Thank you in advance for your participation in this important study. Reports of our findings will be posted at www.asutransportsurvey.com/reports as they become available. If you have any questions about the study, please do not hesitate to contact the study coordinator, Denise Silva, at denise.silva@asu.edu or 480-727-3613.

Sincerely,



Ram M. Pendyala, PhD
Professor and Interim Director, School of Sustainable Engineering and the Built Environment
Director, USDOT Tier 1 University Transportation Center

Your submission of the completed survey (whether online or by mail) implies that you agree to participate in this study and are 18 years or older. This research is funded by the US Department of Transportation and conducted by Arizona State University. This study has been reviewed and approved by the Arizona State University Institutional Review Board for the protection of study participants. If you have any questions about your rights as a subject/participant in this research, or if you feel you have been placed at risk, you may contact the Institutional Review Board, through the ASU Office of Research Integrity and Assurance, at (480) 965 6788.

Section A: Attitudes and Preferences

1. To begin, we would like to learn about your attitudes and opinions on transportation and life in general. Please check the response that most closely fits your reaction to each of the following statements. *There are no right or wrong answers. Even if a statement does not apply to you (e.g., if you do not commute), please imagine that it does apply and answer accordingly.*

	<i>Strongly disagree</i>	<i>Disagree</i>	<i>Neutral</i>	<i>Agree</i>	<i>Strongly agree</i>
I like to be among the first people to have the latest technology.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
The government should raise the gas tax.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I feel uncomfortable around people I do not know.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I prefer to do one thing at a time.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Most of the time, I have no reasonable alternative to driving.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I am too busy to do many of the things I like to do.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Car crash deaths are an unfortunate but unavoidable part of a modern, efficient transportation system.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I am generally satisfied with my life.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I am committed to an environmentally friendly lifestyle.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Having to wait can be a useful pause in a busy day.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I prefer to shop in a store in person rather than online.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Learning how to use new technologies is often frustrating for me.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I would be fine with renting out my car to people I don't know.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Having internet connectivity everywhere I go is important to me.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I prefer to live close to transit even if it means I'll have a smaller home and live in a more densely populated area.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Sharing my personal information or location via internet-enabled devices concerns me a lot.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
My daily travel routine is generally satisfactory.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
When traveling in a vehicle, I prefer to be a driver rather than a passenger.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I prefer to live in a spacious home even if it is farther from public transportation or many places I go.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I am committed to using a less polluting means of transportation (e.g., walking, biking, and public transit) as much as possible.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Public transit is a reliable means of transportation for my needs.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I tend to feel sick if I read while in a moving vehicle.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I like trying things that are new and different.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I try to make good use of the time I spend traveling.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
The level of congestion during my daily travel bothers me.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I definitely like the idea of owning my own car.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
The time I spend going to places provides a useful transition between activities.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
The functionality of a car is more important than its brand.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I like the idea of having stores, restaurants, and offices mixed among the homes in my neighborhood.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅

Section B: Vehicles You Have and Where You Live

Learning about the vehicles you have and where you live will help us better understand mobility and lifestyle choices. For your residence, please answer questions based on the location where you currently live most of the time. For example, if you are a college student, please consider your local address when answering all questions.

1. Do you have a driver's license? ₁ No ₂ Yes

2. How many people in your household have a driver's license (including you)? _____
*By "household" we mean "people who live together and share at least some financial resources." Ordinary housemates/roommates are usually **not** considered members of the same household.*

3. How many motorized vehicles (including four-wheelers and two-wheelers) are available in your household? _____
 If you have **zero motorized vehicles** in your household, please enter "0" and **proceed to Question 6.**

4. Please provide details of all motorized vehicles (including four-wheelers and two-wheelers) available to your household. If your household has more than four vehicles, consider the four vehicles used the most. Please specify **Vehicle 1 as the vehicle you use most often.**

Vehicle	Make	Model	Model Year	Year Acquired	Fuel Type	Annual Miles Driven (Estimate)
<i>Example</i>	<i>Toyota</i>	<i>Camry</i>	<i>2004</i>	<i>2008</i>	<input checked="" type="checkbox"/> ₁ Gasoline <input type="checkbox"/> ₂ Electric <input type="checkbox"/> ₃ Hybrid <input type="checkbox"/> ₄ Other	<i>12,000</i>
1	_____	_____	_____	_____	<input type="checkbox"/> ₁ Gasoline <input type="checkbox"/> ₂ Electric <input type="checkbox"/> ₃ Hybrid <input type="checkbox"/> ₄ Other	_____
2	_____	_____	_____	_____	<input type="checkbox"/> ₁ Gasoline <input type="checkbox"/> ₂ Electric <input type="checkbox"/> ₃ Hybrid <input type="checkbox"/> ₄ Other	_____
3	_____	_____	_____	_____	<input type="checkbox"/> ₁ Gasoline <input type="checkbox"/> ₂ Electric <input type="checkbox"/> ₃ Hybrid <input type="checkbox"/> ₄ Other	_____
4	_____	_____	_____	_____	<input type="checkbox"/> ₁ Gasoline <input type="checkbox"/> ₂ Electric <input type="checkbox"/> ₃ Hybrid <input type="checkbox"/> ₄ Other	_____

5. Which of the following driving assistance features does **Vehicle 1** have? *Please check all that apply.*

<input type="checkbox"/> ₁ Lane keeping system	<input type="checkbox"/> ₄ Automated braking system (ABS)
<input type="checkbox"/> ₂ Backup camera	<input type="checkbox"/> ₅ Other (please specify): _____
<input type="checkbox"/> ₃ Adaptive cruise control (ACC)	<input type="checkbox"/> ₆ None
	<input type="checkbox"/> ₇ Not sure

6. What best describes the home you **currently** live in?

<input type="checkbox"/> ₁ Stand-alone home	<input type="checkbox"/> ₃ Attached home/townhome	<input type="checkbox"/> ₅ Condo/apartment
<input type="checkbox"/> ₂ Mobile home	<input type="checkbox"/> ₄ Other (please specify): _____	

7. Do you rent or own your home?

<input type="checkbox"/> ₁ Rent	<input type="checkbox"/> ₃ Own
<input type="checkbox"/> ₂ Provided by somebody else (e.g., relative, employer)	<input type="checkbox"/> ₄ Other (please specify): _____

8. What year did you move into your current home (e.g., 2010)? _____

9. Did you choose your current home **location**? ₁ No, my home location was chosen by others
₂ Yes, I chose or helped choose my current home location

10. This question focuses on your preferences about homes and neighborhoods. If you participated in choosing your current home, please tell us what features led you to choose **your current residence**. If not, imagine that you are planning a move now: which of the following features would you seek for **your future home**?

	<i>Do not want</i>	<i>Neutral</i>	<i>Want</i>	<i>Must have</i>
Large home	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
Backyard	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
Single family home (stand-alone home)	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
Short commute	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
Close to shops/services	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
Close to parks/nature	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
Close to family/friends	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
Good public schools	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
Easy to walk or bike around neighborhood	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
Good access to public transit	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
Low crime neighborhood	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄

Section C: Current Travel Patterns

1. Which one of the following best describes your current work/study status:

- ₁ Worker (part-time or full-time) ₃ Student (part-time or full-time)
₂ Both worker and student ₄ Neither worker nor student: *Please go to Question 8 on page 4.*

2. On average, how many **days per week** do you...

- a. Travel to work: _____ b. Travel to school: _____ c. Telecommute for work: _____

"Telecommute" refers to working from home or a location close to home, without the need to travel to the regular workplace at all.

3. If you physically travel to work/school, please **answer the following questions 3-7 for the most frequent destination**. Select the location for which you are answering this block of questions. If your school and work location are the same, please check both.

- ₁ School ₂ Work

4. How far do you live from your main work/school location? _____ Miles (Estimate of one-way trip distance)

5. On a typical day, how long does it take you to get from home to your main work/school location? _____ Minutes

If you do not commute by driving a car, please go to Question 7.

6. Approximately how much time and money, do you spend for parking at work/school?

- a. Cruising to find a parking spot: _____ Minutes
 b. Walking from parking spot to my destination: _____ Minutes
 c. Out-of-pocket parking cost (*Please report 0 if free or paid by employer*): \$ _____ per ₁ day, ₂ week, ₃ month, ₄ year

7. Considering only your **commute to work/school**, please indicate how often you typically use the following means of transportation for any part of your commute.

	<i>Never use</i>	<i>Less than once a month</i>	<i>1-3 times a month</i>	<i>1-2 times a week</i>	<i>3 or more times a week</i>
Drive private vehicle, alone	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Drive private vehicle, with passengers	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Ride in private vehicle, with others	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Public transit (e.g., bus, light rail)	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Uber/Lyft (any ridehailing service)	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Taxi	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Bicycle	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Walk	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Other (please, specify): _____	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅

8. Considering only your **errands/shopping/social/recreational/eat-out/medical trips**, please indicate how often you typically use the following means of transportation for any part of your trips:

	<i>Never use</i>	<i>Less than once a month</i>	<i>1-3 times a month</i>	<i>1-2 times a week</i>	<i>3 or more times a week</i>
Drive private vehicle, alone	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Drive private vehicle, with passengers	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Ride in private vehicle, with others	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Public transit (e.g., bus, light rail)	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Uber/Lyft (any ridehailing service)	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Taxi	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Bicycle	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Walk	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Other (please, specify): _____	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅

9. Do you have any conditions that prevent or limit you from ...

	<i>Yes</i>	<i>To some extent</i>	<i>No</i>
Driving in general	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
Driving at night	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
Driving on freeways	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
Being driven to places as a passenger	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
Taking public transit	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
Biking	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
Walking	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃
Traveling in an airplane	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃

10. Are there any adults (i.e., 18 years old or older) in your household other than yourself with conditions that either partially or fully limit their ability to drive? ₁ No ₂ Yes

11. On average, how many total miles **do you drive** in a week? If you drive for your job (e.g., bus, truck, and taxi), please **do not include** miles you drive while “on the clock” for your job.

- ₁ Zero ₂ 1-50 miles ₃ 51-150 miles ₄ 151-300 miles ₅ 301-500 miles ₆ More than 500 miles

12. Please provide an estimate of the number of trips you have made over the past **3 months** that were **at least 75 miles (one-way)** from your home. Do **not** include commute trips. If you visited **multiple destinations** on a journey, treat that as one long distance trip.

_____ Trips (Total long-distance trips)

a. How many of your long-distance trips were done by car? _____ Trips by car

b. How many of your long-distance trips were done by airplane? _____ Trips by airplane

c. How many of your long-distance trips were within US? _____ Trips within US

Section D: Mobility on Demand and Shared Mobility Services

This section asks about your use of **ridehailing services** such as Uber and Lyft, which provide door-to-door transportation via a smartphone app. This section also includes questions about carsharing and bike/scooter sharing services. Even if you have not used these services, please answer all questions to the best of your ability.

1. Please indicate how often you use the following transportation services?

	<i>I am not familiar with it</i>	<i>I am familiar but not a current user</i>	<i>I use it less than once a month</i>	<i>I use it 1-3 times a month</i>	<i>I use it 1-2 times a week</i>	<i>I use it 3 or more times a week</i>
Single-passenger ridehailing (e.g., Uber, and Lyft)	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅	<input type="checkbox"/> ₆
Shared ridehailing (e.g., uberPOOL, and Lyft Line)	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅	<input type="checkbox"/> ₆
Carsharing (e.g., Zipcar, and car2go)	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅	<input type="checkbox"/> ₆
Bicycle/scooter sharing (e.g., Lime, ofo, Spin, and Bird)	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅	<input type="checkbox"/> ₆

If you have never used ridehailing services, please go to Question 5 on page 7.

2. As a result of ridehailing (e.g., Uber/Lyft), how has your use of each of the following travel options changed?

	<i>I have changed usage, but not because of ridehailing</i>	Because of ridehailing I use this ...		
		<i>less often</i>	<i>about the same</i>	<i>more often</i>
Drive private vehicle, alone	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
Drive private vehicle, with others	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
Ride in private vehicle, with others	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
Public transit	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
Taxi	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
Bike	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄
Walk	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄

3. Consider the **last trip** you can recall using ridehailing services. Please answer the questions below for this trip. If you don't remember all of the information precisely, your best guess is fine. You can also refer to your trip history in the app.

<p>What type of ridehailing service did you use?</p>	<input type="checkbox"/> ₁ Single-passenger ridehailing (e.g., Uber, Lyft) <input type="checkbox"/> ₂ Shared ridehailing (e.g., uberPOOL, Lyft Line)
<p>Where did you travel using this service? <i>Provide major cross-streets or landmark and city name.</i></p>	<p>From: _____</p> <p>To: _____</p>
<p>When did you use it?</p>	<input type="checkbox"/> ₁ Weekday daytime <input type="checkbox"/> ₂ Weeknight (excluding Friday night) <input type="checkbox"/> ₃ Weekend daytime <input type="checkbox"/> ₄ Weekend night time (including Friday night)
<p>About how long was your wait time for this trip?</p>	<p>_____ Minutes</p>
<p>About how long was the travel time?</p>	<p>_____ Minutes</p>
<p>About how much did the trip cost?</p>	<p>\$_____ or <input type="checkbox"/>₀ I don't know because someone else called the ride.</p>
<p>What was the main purpose of the trip? Please check the best answer.</p>	<input type="checkbox"/> ₁ Work/school <input type="checkbox"/> ₂ Shopping/errands <input type="checkbox"/> ₃ Eating/drinking <input type="checkbox"/> ₄ Social/recreational <input type="checkbox"/> ₅ To airport <input type="checkbox"/> ₆ To public transit <input type="checkbox"/> ₇ Medical/dental <input type="checkbox"/> ₈ Going/returning home from another location <input type="checkbox"/> ₉ Other (please specify): _____
<p>How many other passengers traveled with you?</p>	<input type="checkbox"/> ₁ I was the only passenger <i>OR</i> _____ family members, friends or colleagues _____ other passengers matched via the app (for shared ridehailing)
<p>How would you have made the trip if this service were not available? <i>Choose the most likely option.</i></p>	<input type="checkbox"/> ₁ Drive alone <input type="checkbox"/> ₂ Carpool (e.g., get a ride from a friend or family member) <input type="checkbox"/> ₃ Public transit <input type="checkbox"/> ₄ Bike or walk <input type="checkbox"/> ₅ Taxi <input type="checkbox"/> ₆ Other (please, specify): _____ <input type="checkbox"/> ₇ I would not have made this trip, at this time or location
<p>Assume that shared ridehailing (e.g., uberPOOL or Lyft Line) was available for this trip, allowing for cheaper fares but longer travel times to reach your destination. What is the maximum additional travel time you would have accepted if the fare was half of what you paid?</p>	<input type="checkbox"/> ₁ I already made this trip using shared ridehailing <input type="checkbox"/> ₂ I would not have used shared ridehailing for this trip <input type="checkbox"/> ₃ 1-5 minutes <input type="checkbox"/> ₄ 6-10 minutes <input type="checkbox"/> ₅ 11-15 minutes <input type="checkbox"/> ₆ 16 or more minutes

4. In the **last month**, about how much did you spend on all ridehailing services?

- ₁ \$0 - \$9
 ₂ \$10 - \$29
 ₃ \$30 - \$49
 ₄ \$50 - \$74
 ₅ \$75 - \$100
 ₆ More than \$100

5. Please rate your level of agreement with each of the following statements regarding ridehailing services (e.g., Uber/ Lyft). Even if you do not currently use these services, your opinions about them are important to us.

	<i>Strongly disagree</i>	<i>Disagree</i>	<i>Neutral</i>	<i>Agree</i>	<i>Strongly agree</i>
Ridehailing services are expensive.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Ridehailing services are reliable.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Ridehailing services help save time and money on parking.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Ridehailing services help avoid impaired driving (e.g., driving under the influence).	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Ridehailing services are good alternatives when my car is temporarily unavailable (e.g., when it is being repaired).	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Ridehailing services are good alternatives when I am away from home.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Ridehailing services help me get to/from public transit facilities.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Ridehailing services are good alternatives when or where public transit (e.g., bus, light rail) is not available.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Ridehailing services allow me to live with fewer or no cars.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Traveling with a driver who I don't know concerns me a lot.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
For shared ridehailing services, traveling with strangers (e.g., other passengers) makes me feel uncomfortable.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
For shared ridehailing services, the lower cost is worth the additional time picking up and dropping off other passengers.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
The lack of a child safety seat prevents me from using ridehailing services.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
The lack of equipment to accommodate disabilities prevents me from using ridehailing services.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Ridehailing service availability affects where I choose to live and/or work or go to school.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅

6. Imagine that you call a ride through a smartphone app. For each of the **trip purposes** below (*i.e., for each row*), check the option you would choose. Choose either the single-passenger (Option 1) or shared (Option 2) ridehailing options based on the trip attributes (trip cost/travel time/additional passengers). *Note that the travel times include your waiting time and the extra time picking up/dropping off other passengers if there are any.*

	Option 1: Single-passenger ridehailing (e.g., Uber and Lyft)	Option 2: Shared ridehailing (e.g., uberPOOL and Lyft Line)
Social/Recreation	<input type="checkbox"/> ₁ \$ 18.00/ 20 minutes	<input type="checkbox"/> ₂ \$ 12.00/ 35 minutes/ three additional passengers
Shopping	<input type="checkbox"/> ₁ \$ 13.00/ 15 minutes	<input type="checkbox"/> ₂ \$ 10.00/ 25 minutes/ two additional passengers
Work/School	<input type="checkbox"/> ₁ \$ 8.00/ 10 minutes	<input type="checkbox"/> ₂ \$ 6.00/ 15 minutes/ one additional passenger

Section E: Autonomous Vehicles

**PLEASE
READ THIS
SECTION
CAREFULLY.**

An **autonomous vehicle (AV)** is a vehicle that drives itself without human supervision or involvement. It picks up and drops off passengers including those who do not drive (e.g., children, elderly), goes and parks itself after dropping off passengers, and picks up and delivers goods and services. When AVs become available, ridehailing companies are likely to use them to provide rides without a human driver in the vehicle. When answering the questions in this section, please assume a future in which AV technologies are widely adopted, but human-driven vehicles are still present.

1. Which of the following statements best describes your **familiarity with AVs**?

- ₁ I have never heard of AVs before.
- ₂ I have heard of AVs, but don't know anything about how they work.
- ₃ I have heard of AVs and am somewhat familiar with how they work.
- ₄ I have heard of AVs and am very familiar with how they work.
- ₅ I have actually taken a ride in an AV.

2. Imagining a future with AVs, please rate your level of agreement with each of the following statements:

	<i>Strongly disagree</i>	<i>Disagree</i>	<i>Neutral</i>	<i>Agree</i>	<i>Strongly agree</i>
I will be one of the first people to buy an AV.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I will eventually buy an AV, but only after AVs are common on our roads.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I would ride in an AV alone or with others I know.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I would use an AV ridehailing service with other passengers who are strangers to me.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I will never use an AV.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅

*If you **do not commute** to work/school, go to Question 4.*

3. Imagine you have access to an AV by owning or borrowing such a vehicle, or using AV ridehailing services. Given that it is possible to engage in other activities (e.g., work, eat, sleep, play, watch video) during the ride, **how much longer** would you be willing to **commute** to or from work/school if you were riding in an AV?

- ₁ Not a single minute more than my current commute
- ₂ Up to 5 minutes more (one-way)
- ₃ Between 5 and 10 minutes more (one-way)
- ₄ Between 11 and 20 minutes more (one-way)
- ₅ Between 21 and 30 minutes more (one-way)
- ₆ 31 minutes or more (one-way)

4. Would you **change where you live** if AVs were available? *Please check the single best answer.*

- ₁ Yes, I would move closer to the locations I visit most often (e.g., workplace or school).
- ₂ No, the availability of AVs would not change where I live.
- ₃ Yes, I would move farther from the locations I visit most often (e.g., workplace or school) so that I can be closer to recreational opportunities or live in a large home with a big yard and open space.

5. How much do you agree with the following statements about AVs?

	<i>Strongly disagree</i>	<i>Disagree</i>	<i>Neutral</i>	<i>Agree</i>	<i>Strongly agree</i>
Riding in AVs would allow me to use travel time for other activities.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I would travel farther (longer distances) when AVs are available.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I would make additional trips using AVs (that I don't make at this time).	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I would send an AV to pick up groceries/laundry/food orders by itself.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I would send an AV to serve family members and friends without me.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I would feel comfortable having an AV pick-up/drop-off children without adult supervision.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I would be willing to pay a few additional dollars to have a backup human driver inside the AV during my ridehailing service ride.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I would be comfortable leasing my AV to ridehailing companies to earn extra money when the vehicle is not in use.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
Autonomous vehicles are significantly safer than human-driven vehicles.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I would be concerned about the safety of pedestrians and cyclists in an AV future.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
An AV should prioritize the safety of its own passengers over that of pedestrians, bicyclists, and other vehicles on the road.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
I would support laws requiring AVs to travel at lower speeds on city streets to avoid a collision if a person steps in front of the vehicle.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅
In an AV crash, the vehicle's owner and her/his insurance company should be held responsible (rather than the manufacturer).	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂	<input type="checkbox"/> ₃	<input type="checkbox"/> ₄	<input type="checkbox"/> ₅

6. Considering **the number of cars** your household currently owns, would that **change if AVs were available for purchase or use as a ridehailing service?**

- ₁ Very likely to own fewer cars
- ₂ Somewhat likely to own fewer cars
- ₃ Most likely to own the same number of cars
- ₄ Somewhat likely to own more cars
- ₅ Very likely to own more cars

7. Imagine you are **renting** a regular human-driven vehicle for a **long-distance leisure trip (over 75 miles one-way)** at the rate of **\$40 per day**. Suppose the car rental company offered you an AV as an upgrade. What is the highest amount you would be willing to pay to rent the AV?

- ₁ Would not rent the AV, regardless of the price
- ₂ \$40 per day (that is, same as non-AV option)
- ₃ \$50 per day
- ₄ \$75 per day
- ₅ \$100 per day

8. How many years do you think it will take for AVs to make up **more than half** the vehicles on the roads?

- ₁ 5 years or less
- ₂ 16-25 years
- ₃ 6-10 years
- ₄ More than 25 years
- ₅ 11-15 years
- ₆ Never

9. Imagine that AVs are now available for purchase, lease/rent, or to use via ridehailing services. What would you do when **faced with your next car purchase decision** in each of the following scenarios? Please rank the **options based on your preference (1=most preferred; 3=least preferred)**.

Scenario 1: About 25% of all vehicles around you are AVs.

Options	Option 1: Buy a regular vehicle	Option 2: Buy an AV	Option 3: Don't buy a vehicle and use AV ridehailing/rental services
Costs	\$ 200/month + \$ 0.25/mile	\$ 250/month + \$ 0.50/mile	\$ 0/month + \$ 1.00/mile
Rank	_____	_____	_____

Scenario 2: About 75% of all vehicles around you are AVs.

Options	Option 1: Buy a regular vehicle	Option 2: Buy an AV	Option 3: Don't buy a vehicle and use AV ridehailing/rental services
Costs	\$ 300/month + \$ 0.75/mile	\$ 300/month + \$ 0.50/mile	\$ 0/month + \$ 1.20/mile
Rank	_____	_____	_____

Section F: Background Information

We would like to know a little more about you and your household for purely statistical purposes.

1. In what year were you born? _____ (e.g., 1975)
2. What is your gender identity? ₁ Male ₂ Female ₃ Other ₄ Prefer not to answer
3. Where were you born? ₁ United States or U.S. territory ₂ Other country ₃ Prefer not to answer
4. Are you Hispanic or Latino? ₁ No ₂ Yes ₃ Prefer not to answer
5. How would you describe yourself? Please check **no more than two categories** that you most closely identify with.

<input type="checkbox"/> ₁ White/Caucasian	<input type="checkbox"/> ₃ Black/African American	<input type="checkbox"/> ₅ Native American
<input type="checkbox"/> ₂ Asian or Pacific Islander	<input type="checkbox"/> ₄ Prefer not to answer	<input type="checkbox"/> ₆ Other (please specify): _____
6. What is your educational background? Check the highest level of education you have attained.

<input type="checkbox"/> ₁ Some grade/high school	<input type="checkbox"/> ₃ Completed high school or GED	<input type="checkbox"/> ₅ Some college/technical school
<input type="checkbox"/> ₂ Bachelor's degree(s)	<input type="checkbox"/> ₄ Some graduate school	<input type="checkbox"/> ₆ Completed graduate degree(s)
7. How many people live in your household (**including yourself**) in each of the following age categories?
*By "household" we mean "people who live together and share at least some financial resources". Ordinary housemates/roommates are usually **not** considered members of the same household.*

_____ Children (up to 4 years old)	_____ Children (5 to 12 years old)	_____ Children (13 to 17 years old)
_____ Adults (18 to 24 years old)	_____ Adults (25 to 64 years old)	_____ Adults (65 and more years old)
8. Who lives with you? *Please check all that apply.*

<input type="checkbox"/> ₁ I live alone (nobody else lives with me)	<input type="checkbox"/> ₄ My partner/spouse
<input type="checkbox"/> ₂ My or my partner's child(ren) or grandchild(ren)	<input type="checkbox"/> ₅ My or my partner's parent(s) or grandparent(s)
<input type="checkbox"/> ₃ Unrelated housemate(s)	<input type="checkbox"/> ₆ Other (please specify): _____

9. Please indicate the number of people in your household (include children **and** yourself) that belong to each of the groups shown below:

_____ Part-time workers _____ Full-time workers _____ Part-time students _____ Full time students

10. Knowing more about your **home location** will help us better understand your choices and opinions. Please provide your address or, if you prefer, major cross streets near your home. *An address is required if you choose to receive the \$10 Visa gift card.*

City: _____ State: _____ Zip code: _____

11. Please check the appropriate category for your annual *household* income before taxes.

- ₁ Less than \$25,000 ₃ \$25,000 to \$49,999 ₅ \$50,000 to \$74,999
₂ \$75,000 to \$99,999 ₄ \$100,000 to \$149,000 ₆ \$150,000 or more

12. Knowing more about your **workplace/school location** will help us design more convenient commute options. Please give the address or, if you prefer, major cross streets close to your main workplace/school location. *If you travel to more than one location on a regular basis, enter the location to which you travel most often.*

City: _____ State: _____ Zip code: _____

REWARDS! Please choose your preferred reward option and provide the required contact information below (only the first 100 respondents who provide complete information will be eligible for a gift card).

- ₁ \$10 Amazon e-gift card (Please provide your **email** in the next section below.)
₂ \$10 Visa gift card (Please provide your home **address** in question 10 above so that the gift card can be mailed)

OPTIONAL! If you are willing to be contacted for future studies and surveys, please provide your contact information. We will use your information only for the purposes you authorize (please check permitted uses of your contact information):

- ₁ For any questions on your answers to this survey
₂ For a follow-up transportation-related survey sometime in the future
₃ Only to email rewards

Name: _____

Email: _____

Telephone: _____

Thanks for your valuable participation in this study!