

Driving Decision Survey (~ 5 min)

We are surveying the driver's decision under **Automatic Lane-Keeping/Centering Systems** (e.g., the one supported in Tesla AutoPilot) for different road surface patterns such as road patches and cratches.

Thank you for agreeing to participate in our research. Before you begin, please note that the data you provide may be collected and used by Amazon as per its privacy agreement. This study contains a number of checks to make sure that participants are finishing the tasks honestly and completely. As long as you read the instructions and complete the tasks, your HIT will be approved. If you fail these checks, your HIT will be rejected. Additionally, this research is for residents of the United States over the age of 18; if you are not a resident of the United States and/or under the age of 18, please do not complete this survey.

This is a consent form for research participation.

This is an academic not-for-profit research study. This consent form is designed to give you information about this study. We will describe this study to you and answer any of your questions.

Procedures

If you choose to participate in this study, you will be asked to answer preliminary questions to determine if you are a good fit for the study. This should take about 1-2 minutes. If you are a good fit for the study, you will proceed to complete the remainder of the survey.

If you are not a good fit, you will be unable to complete the remainder of the survey and will not be compensated.

Contact

Please contact us through the Amazon Mechanical Turk.

By continuing on to the start of the survey, I indicate that I have read this information and that I voluntarily agree to participate in this study. I understand that I can close the webpage if I do not want to participate.



Driving Decision Survey (~ 5 min)

* Required

Instruction: Automatic Lane-Keeping/Centering Systems

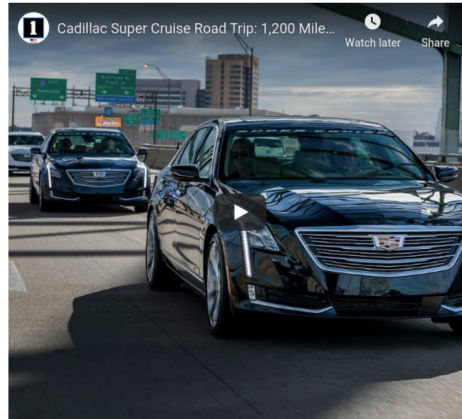
Recently, various commercial vehicle models have Automatic Lane-Keeping/Centering Systems, e.g., in Tesla AutoPilot, GM Super Cruise, and Ford Co-Pilot360. Automatic Lane-Keeping/Centering Systems can automatically steer a vehicle to keep it centered in the traffic lane and can drive on most paved roads very smoothly.

You will be asked your driving decision under such Automatic Lane-Keeping/Centering Systems for different road surface patterns such as road patches and cratches. To be familiar with the functionality of such systems, please watch the videos below.

Tesla AutoPilot



GM Super Cruise



Have you ever used any Automatic Lane-Keeping/Centering Systems when you drive a car? If yes, which Automatic Lane-Keeping/Centering System have you used? *

- No, I've never used any Automatic Lane-Keeping/Centering Systems.
- Tesla Autopilot
- Daimler AG - Lane Keep Assist or Active Drive Assist
- Fiat-Chrysler's automatic lane-keeping system
- Ford Co-Pilot360: Lane Centering
- GM Super Cruise
- Honda Sensing: Lane keeping Assist System or AcuraWatch
- Hyundai Lane Following Assist
- Kia Lane Following Assist
- Lincoln Co-Pilot360: Lane Centering
- Mazda Lane Trace
- Mercedes Driver Assistance Package
- Nissan ProPilot Assist
- Subaru Eyesight
- VW Traffic Jam Pilot
- Volvo Pilot Assist II
- OpenPilot
- Other: _____

Back

Next

Page 2 of 35

Driving Decision Survey (~ 5 min)

Part 1

Imagine you are driving with an Automatic Lane-Keeping/Centering System, like Tesla AutoPilot or GM Super Cruise. You will see 5 consecutive car front view images. Please answer if you will take over the driving to avoid danger or potential risk in each case.

The questions in this section are used to decide your fitness for this study. The images in this part are from normal driving scenarios which the Automatic Lane-Keeping/Centering Systems are expected to work very smoothly.

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.



Back

Next



Page 3 of 35

Driving Decision Survey (~ 5 min)

* Required

Part 1 1/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 1 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/1/482.png>

Your driving decision *

- Take over the driving to avoid danger or potential risk.
- Let the Automatic Lane-Keeping/Centering System keep driving.



Back

Next



Page 4 of 35

Driving Decision Survey (~ 5 min)

* Required

Part 1 2/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 2 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/1/492.png>

Your driving decision *

- Take over the driving to avoid danger or potential risk.
- Let the Automatic Lane-Keeping/Centering System keep driving.



Back

Next



Page 5 of 35

Driving Decision Survey (~ 5 min)

* Required

Part 13/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 3 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/1/502.png>

Your driving decision *

- Let the Automatic Lane-Keeping/Centering System keep driving.
- Take over the driving to avoid danger or potential risk.



Back

Next

Page 6 of 35

Driving Decision Survey (~ 5 min)

* Required

Part 1 4/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 4 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/1/512.png>

Your driving decision *

- Let the Automatic Lane-Keeping/Centering System keep driving.
- Take over the driving to avoid danger or potential risk.



Back

Next

Page 7 of 35

Driving Decision Survey (~ 5 min)

* Required

Part 15/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 5 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/1/522.png>

Your driving decision *

- Let the Automatic Lane-Keeping/Centering System keep driving.
- Take over the driving to avoid danger or potential risk.



Back

Next

Page 8 of 35

Driving Decision Survey (~ 5 min)

* Required

Demographic Questions

Worker ID *

Worker ID can be found on your MTurk dashboard or in the upper left corner of this website (<https://worker.mturk.com/>). This information is required for payment.

Your answer _____

Gender *

- Female
- Male
- Other

Occupation *

Your answer _____

Age *

Your answer _____

Age First Licensed *

THIS SURVEY IS ONLY OPEN TO PEOPLE WITH A VALID DRIVER'S LICENCE.

Your answer _____

Weekly Driving Mileage *

Your answer _____

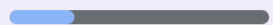
Accidents, claims, or other damages you had to a vehicle? *

- No
- Yes



Back

Next



Driving Decision Survey (~ 5 min)

Part 2

Imagine you are driving with an Automatic Lane-Keeping/Centering System, like Tesla AutoPilot or GM Super Cruise. You will see 5 consecutive car front view images. Please answer if you will take over the driving to avoid danger or potential risk in each case.

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.



[Back](#)

[Next](#)



Page 10 of 35

Driving Decision Survey (~ 5 min)

* Required

Part 2 1/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 1 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/2/482.png>

Your driving decision *

- Take over the driving to avoid danger or potential risk.
- Let the Automatic Lane-Keeping/Centering System keep driving.



Back

Next

Driving Decision Survey (~ 5 min)

* Required

Part 2 2/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 2 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/2/492.png>

Your driving decision *

- Take over the driving to avoid danger or potential risk.
- Let the Automatic Lane-Keeping/Centering System keep driving.



Back

Next

Driving Decision Survey (~ 5 min)

* Required

Part 2 3/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 3 (Driving at 35 mph.)



Larger Image

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Your driving decision *

- Take over the driving to avoid danger or potential risk.
- Let the Automatic Lane-Keeping/Centering System keep driving.



Back

Next

Driving Decision Survey (~ 5 min)

* Required

Part 2 4/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

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Scene 4 (Driving at 35 mph.)



Larger Image

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Your driving decision *

- Let the Automatic Lane-Keeping/Centering System keep driving.
- Take over the driving to avoid danger or potential risk.



Back

Next

Driving Decision Survey (~ 5 min)

* Required

Part 2 5/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 5 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/2/522.png>

Your driving decision *

- Let the Automatic Lane-Keeping/Centering System keep driving.
- Take over the driving to avoid danger or potential risk.



Back

Next

Driving Decision Survey (~ 5 min)

Part 3

Imagine you are driving with an Automatic Lane-Keeping/Centering System, like Tesla AutoPilot or GM Super Cruise. You will see 5 consecutive car front view images. Please answer if you will take over the driving to avoid danger or potential risk in each case.

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.



Back

Next



Page 16 of 35

Driving Decision Survey (~ 5 min)

* Required

Part 3 1/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different** road surface patterns such as road patches and cratches.

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 1 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/3/482.png>

Your driving decision *

- Let the Automatic Lane-Keeping/Centering System keep driving.
- Take over the driving to avoid danger or potential risk.



Back

Next

Driving Decision Survey (~ 5 min)

* Required

Part 3 2/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 2 (Driving at 35 mph.)



Larger Image

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Your driving decision *

- Take over the driving to avoid danger or potential risk.
- Let the Automatic Lane-Keeping/Centering System keep driving.



Back

Next

Driving Decision Survey (~ 5 min)

* Required

Part 3 3/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 3 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/3/502.png>

Your driving decision *

- Take over the driving to avoid danger or potential risk.
- Let the Automatic Lane-Keeping/Centering System keep driving.



Back

Next

Driving Decision Survey (~ 5 min)

* Required

Part 3 4/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different** road surface patterns such as road patches and cratches.

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 4 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/3/512.png>

Your driving decision *

- Take over the driving to avoid danger or potential risk.
- Let the Automatic Lane-Keeping/Centering System keep driving.



Back

Next

Driving Decision Survey (~ 5 min)

* Required

Part 3 5/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 5 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/3/522.png>

Your driving decision *

- Take over the driving to avoid danger or potential risk.
- Let the Automatic Lane-Keeping/Centering System keep driving.



Back

Next

Driving Decision Survey (~ 5 min)

Part 4

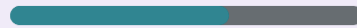
Imagine you are driving with an Automatic Lane-Keeping/Centering System, like Tesla AutoPilot or GM Super Cruise. You will see 5 consecutive car front view images. Please answer if you will take over the driving to avoid danger or potential risk in each case.

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.



[Back](#)

[Next](#)



Page 22 of 35

Driving Decision Survey (~ 5 min)

* Required

Part 4 1/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 1 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/4/482.png>

Your driving decision *

- Let the Automatic Lane-Keeping/Centering System keep driving.
- Take over the driving to avoid danger or potential risk.



Back

Next

Driving Decision Survey (~ 5 min)

* Required

Part 4 2/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 2 (Driving at 35 mph.)



Larger Image

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Your driving decision *

- Let the Automatic Lane-Keeping/Centering System keep driving.
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Back

Next

Driving Decision Survey (~ 5 min)

* Required

Part 4 3/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

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Scene 3 (Driving at 35 mph.)



Larger Image

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Your driving decision *

- Let the Automatic Lane-Keeping/Centering System keep driving.
- Take over the driving to avoid danger or potential risk.



Back

Next

Driving Decision Survey (~ 5 min)

* Required

Part 4 4/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 4 (Driving at 35 mph.)



Larger Image

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Your driving decision *

- Take over the driving to avoid danger or potential risk.
- Let the Automatic Lane-Keeping/Centering System keep driving.



Back

Next

Driving Decision Survey (~ 5 min)

* Required

Part 4 5/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

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Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/4/522.png>

Your driving decision *

- Let the Automatic Lane-Keeping/Centering System keep driving.
- Take over the driving to avoid danger or potential risk.

Back

Next

Page 27 of 35



Driving Decision Survey (~ 5 min)

Part 5

Imagine you are driving with an Automatic Lane-Keeping/Centering System, like Tesla AutoPilot or GM Super Cruise. You will see 5 consecutive car front view images. Please answer if you will take over the driving to avoid danger or potential risk in each case.

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.



[Back](#)

[Next](#)



Page 28 of 35

Driving Decision Survey (~ 5 min)

* Required

Part 5 1/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 1 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/5/482.png>

Your driving decision *

- Let the Automatic Lane-Keeping/Centering System keep driving.
- Take over the driving to avoid danger or potential risk.



Back

Next

Driving Decision Survey (~ 5 min)

* Required

Part 5 2/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 2 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/5/492.png>

Your driving decision *

- Let the Automatic Lane-Keeping/Centering System keep driving.
- Take over the driving to avoid danger or potential risk.



Back

Next

Driving Decision Survey (~ 5 min)

* Required

Part 5 3/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 3 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/5/502.png>

Your driving decision *

- Let the Automatic Lane-Keeping/Centering System keep driving.
- Take over the driving to avoid danger or potential risk.



Back

Next

Driving Decision Survey (~ 5 min)

* Required

Part 5 4/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 4 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/5/512.png>

Your driving decision *

- Let the Automatic Lane-Keeping/Centering System keep driving.
- Take over the driving to avoid danger or potential risk.



Back

Next

Driving Decision Survey (~ 5 min)

* Required

Part 5 5/5

Please answer your driving decision under such Automatic Lane-Keeping/Centering Systems for **different road surface patterns such as road patches and cratches.**

PLEASE DO NOT USE BACK BUTTON AND DO NOT CHANGE YOUR PREVIOUS RESPONSES.

Scene 5 (Driving at 35 mph.)



Larger Image

<https://storage.googleapis.com/driving-decision-survey/imgs/5/522.png>

Your driving decision *

- Take over the driving to avoid danger or potential risk.
- Let the Automatic Lane-Keeping/Centering System keep driving.



Back

Next

Page 33 of 35

Section 34 of 35

Thank you for your participation



Description (optional)

SURVEY CODE: 782194

Please enter this code in MTurk.

If you have any comments, please let us know.

Long answer text

Thank you for your participation.

Please submit your response. We will review your submission in MTurk within 3 business days.

After section 34 Submit form



Section 35 of 35

Thank you for your participation



We regret to inform you that you are not a good fit for this study.