# E4 | AV Passengers v. Pedestrians | Outrage, First Person

Start of Block: Consent

consent

#### **Informed Consent**

#### **Participation is voluntary**

It is your choice whether or not to participate in this research. If you choose to participate, you may change your mind and leave the study at any time. Refusal to participate or stopping your participation will involve no penalty or loss of benefits to which you are otherwise entitled.

#### What is the purpose of this research?

The purpose of this research is to examine human visual performance and judgments. All data from this experiment are gathered for scientific purposes and will contribute to our eventual understanding of brain and visual function. These data may be published in scientific journals so that other researchers may have access to these data.

#### How long will I take part in this research?

Your participation will take approximately 5 minutes to complete.

#### What can I expect if I take part in this research?

As a participant, you will be asked to look at images presented on a video display and give responses with key presses or movements of a mouse pointing device. Your response may involve responding as quickly as you can, memorizing what you saw, making a judgment, or completing a questionnaire. You will also be asked to complete a demographics form.

#### What are the risks and possible discomforts?

If you choose to participate, the effects should be comparable to those you would experience from viewing a computer monitor for 5 minutes and using a mouse or keyboard, e.g., eye fatigue. You are free to take breaks throughout the session. Some of the images and stories are mildly emotional, and some of the written stories are disgust-inducing.

#### Will I be compensated for participating in this research?

You will be compensated \$0.50 for this study. You will still receive payment if you withdraw early.

## If I take part in this research, how will my privacy be protected? What happens to the information you collect?

Your participation in this experiment will remain confidential, and your identity will not be stored with your data.

### If I have any questions, concerns or complaints about this research study, who can I talk to?

The researcher for this study is Julian De Freitas who can be reached at 626.559.6401; #161 Morgan Hall, 15 Harvard Way, Boston MA, 02163; jdefreitas@hbs.edu. If you have questions, concerns, or complaints, If you would like to talk to the research team, If you think the research has harmed you, or If you wish to withdraw from the study.

This research has been reviewed by the Committee on the Use of Human Subjects in Research at Harvard University. They can be reached at 617-496-2847, 1350 Massachusetts Avenue, Suite 935, Cambridge, MA 02138, or cuhs@harvard.edu for any of the following: If your questions, concerns, or complaints are not being answered by the research team, If you cannot reach the research team, If you want to talk to someone besides the research team, or If you have questions about your rights as a research participant.

End of Block: Consent
Start of Block: Attention Check #1
JS Control of the con
att1 This is an attention check. John is taller than Paul. Who is shorter?
O John (1)
O Paul (2)
O Neither John nor Paul (3)
O Both John and Paul (4)

#### att2 What color is grass?

you're paying attention.
○ Green (1)
O Purple (2)
End of Block: Attention Check #1
Start of Block: failed_checks
failed_check Unfortunately you failed one of the attention checks. Thanks for considering the survey!
End of Blocky foiled, checks
End of Block: failed_checks
Start of Block: 1   INTENTIONAL, KILLS PEDESTRIAN

End of Block: 1 | INTENTIONAL, KILLS PEDESTRIAN

**Start of Block: Page 1: Blameworthiness Questions** 

choice, and it deliberately kills the pedestrian.

intentional pedestri You will now answer some questions about the scenario.

choose to kill the pedestrian and save the driver. One day, your robocar is faced with this

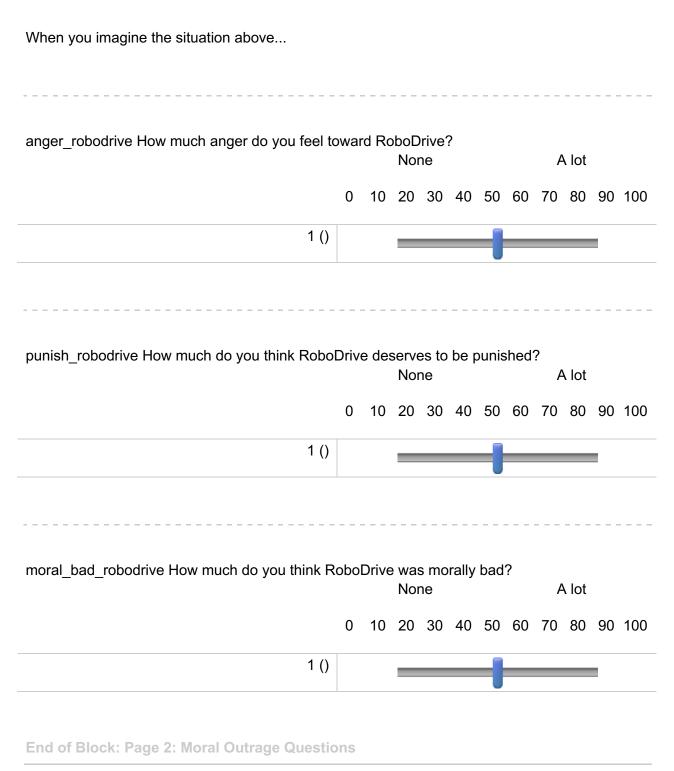
You buy a robocar that has been programmed to favor the driver over a pedestrian. If it is ever faced with no other choice but to crash and kill the driver versus a pedestrian, it will deliberately choose to kill the pedestrian and save the driver. One day, your robocar is faced with this choice, and it deliberately kills the pedestrian.

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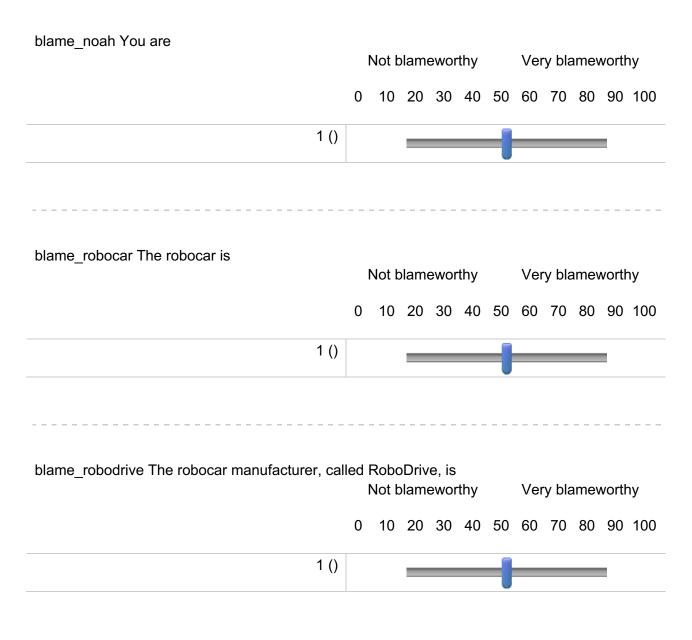


**Start of Block: Page 2: Moral Outrage Questions** 

intentional\_pedestri You buy a robocar that has been programmed to favor the driver over a pedestrian. If it is ever faced with no other choice but to crash and kill the driver versus a pedestrian, it will deliberately choose to kill the pedestrian and save the driver. One day, your robocar is faced with this choice, and it deliberately kills the pedestrian.



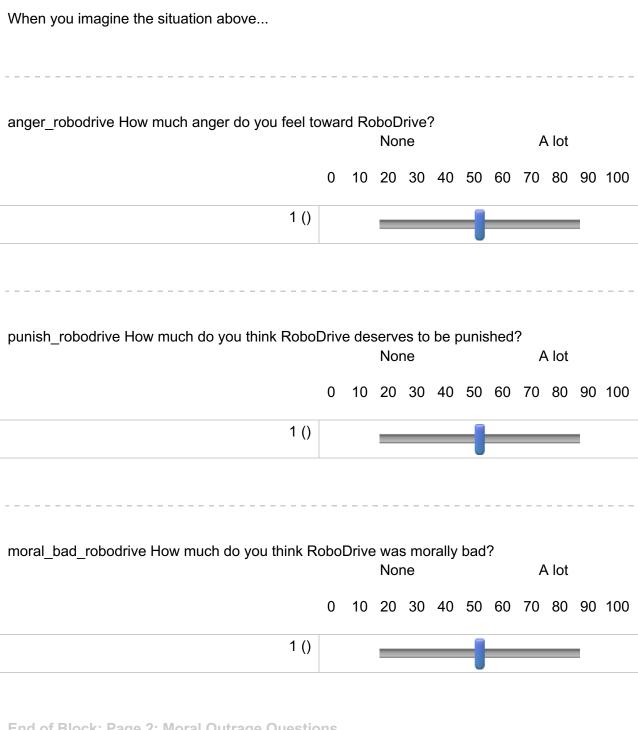
AC_3_intent_pedestri Did the Robocar kill a person deliberately, randomly, or neither?
O Deliberately (1)
O Randomly (2)
O Neither (3)
AC_4_intent_pedestri Did the robocar kill the driver, a pedestrian, or neither?
O The driver (1)
O A pedestrian (2)
O Neither (3)
End of Block: Attention Check #2
Start of Block: 2   INTENTIONAL KILLS DRIVER
intentional_driver Read the scenario below about a self-driving car carefully. Once you are finished, you will be asked to answer some questions about it.
You buy a robocar that has been programmed to favor a pedestrian over the driver. If it is ever faced with no other choice but to crash and kill the driver versus a pedestrian, it will deliberately choose to kill the driver and save the pedestrian. One day, your robocar is faced with this choice, and it deliberately kills you.
End of Block: 2   INTENTIONAL KILLS DRIVER
Start of Block: Page 1: Blameworthiness Questions
intentional_driver You will now answer some questions about the scenario.
You buy a robocar that has been programmed to favor a pedestrian over the driver. If it is ever faced with no other choice but to crash and kill the driver versus a pedestrian, it will deliberately choose to kill the driver and save the pedestrian. One day, your robocar is faced with this choice, and it deliberately kills you.



**End of Block: Page 1: Blameworthiness Questions** 

**Start of Block: Page 2: Moral Outrage Questions** 

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**End of Block: Page 2: Moral Outrage Questions** 

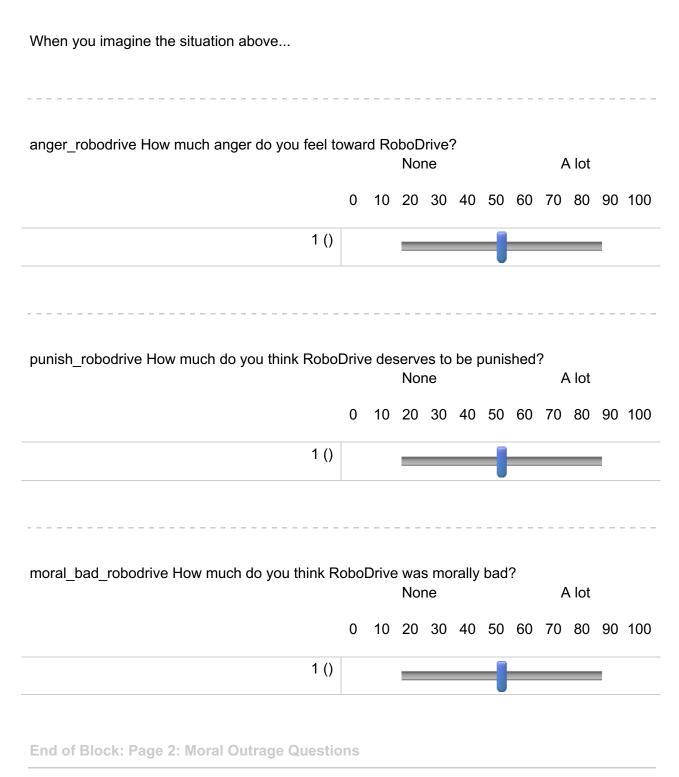
AC_3_intent_driver Did the Robocar kill a person deliberately, randomly, or neither?
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AC_4_intent_driver Did the robocar kill the driver, a pedestrian, or neither?
○ The driver (1)
A pedestrian (2)
O Neither (3)
End of Block: Attention Check #2
Start of Block: 3   RANDOM, KILLS PEDESTRIAN
random_pedestri Read the scenario below about a self-driving car carefully. Once you are finished, you will be asked to answer some questions about it.
You buy a robocar that has been programmed to have no preference between the driver and a pedestrian. If it is ever faced with no other choice but to crash and kill the driver versus a pedestrian, it will randomly choose to kill one of them. One day, your robocar is faced with this choice, and it randomly kills the pedestrian.
End of Block: 3   RANDOM, KILLS PEDESTRIAN
Start of Block: Page 1: Blameworthiness Questions
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**End of Block: Page 1: Blameworthiness Questions** 

**Start of Block: Page 2: Moral Outrage Questions** 

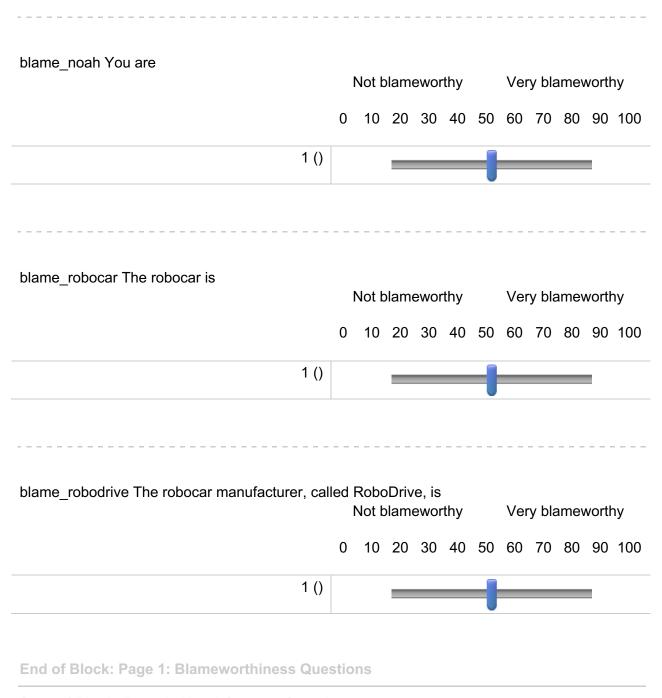
random\_pedestri You buy a robocar that has been programmed to have no preference between the driver and a pedestrian. If it is ever faced with no other choice but to crash and kill the driver versus a pedestrian, it will randomly choose to kill one of them. One day, your robocar is faced with this choice, and it randomly kills the pedestrian.



AC_3_random_pedestri Did the Robocar kill a person deliberately, randomly, or neither?
O Deliberately (1)
O Randomly (2)
O Neither (3)
AC_4_random_pedestri Did the robocar kill the driver, a pedestrian, or neither?
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O A pedestrian (2)
O Neither (3)
End of Block: Attention Check #2
Start of Block: 4   RANDOM, KILLS DRIVER
random_driver Read the scenario below about a self-driving car carefully. Once you are finished, you will be asked to answer some questions about it.
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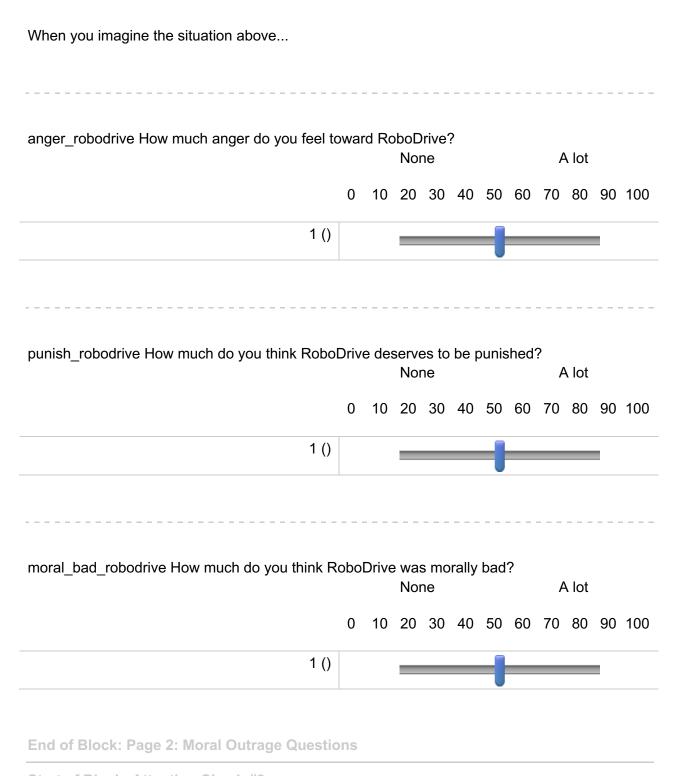
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**Start of Block: Page 2: Moral Outrage Questions** 

random\_driver You buy a robocar that has been programmed to have no preference between the driver and a pedestrian. If it is ever faced with no other choice but to crash and kill the driver versus a pedestrian, it will randomly choose to kill one of them. One day, your robocar is faced with this choice, and it randomly kills you.



ethnicity What is your ethnicity?
○ White (1)
O Black (2)
O Asian (3)
○ Mixed (4)
Other (5)
age What is your a <b>ge (in years)?</b>
education Please indicate the highest level of education completed.
○ Grammar School (1)
O High School or Equivalent (2)
O Vocational/Technical School (2 year) (3)
○ Some College (4)
College Graduate (4 year) (5)
O Masters Degree (MS) (6)
O Doctoral Degree (PhD) (7)
O Professional Degree (MD, JD, etc.) (8)
Other (9)

comments Any comments on the survey?	
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End of Block: Demographics	