E7 | AV Passengers v. Pedestrians | Temptation Three Choices - V2

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 $0.67 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; ethicalintelligencelab@gmail.com 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.

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consent_q Do you consent?

- ○ No (1)
- ○ Yes (2)

End of Block: Consent

Start of Block: attention_checks

JS

att1 This is an attention check. **John is taller than Paul. Who is shorter?**

- ○ John (1)
- ○ Paul (2)
- ○ Neither John nor Paul (3)
- ○ Both John and Paul (4)

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att2 **What color is grass?**

The fresh, uncut grass, not leaves or hay. Please make sure to select purple, so that we know you're paying attention.

- ○ Green (1)
- ○ Purple (2)

End of Block: attention_checks

Start of Block: failed_check

failed Unfortunately, you failed both of the attention checks. Thanks for considering this study!

End of Block: failed_check

Start of Block: Instruction

instructions Please **carefully** read the scenario and questions on the following page, since you will be asked comprehension checks about it afterwards.

End of Block: Instruction

Start of Block: two_choices

two_choices Imagine that **you** are being driven by an autonomous self-driving car that is confronted with the following dilemma:

Whether to drive into a barrier and kill the passenger in the car (you), or whether to drive into and kill a pedestrian.

The self-driving car can make its decision in one of two ways:

1. Proximity rule: It kills whoever is closest to the AV. If the barrier is closer than the pedestrian, it kills you. But if the pedestrian is closer than the barrier, it kills the pedestrian.

2. No discrimination: It randomly chooses whether to kill or save the passenger in the car or the pedestrian.

In this particular case, the pedestrian is closer to the AV than the barrier.

The self-driving car should be programmed to...

- ○ Use the proximity rule (1)
- ○ Randomly choose whom to kill (2)

End of Block: two_choices

Start of Block: three_choices

three_choices Imagine that **you** are being driven by an autonomous self-driving car that is confronted with the following dilemma:

Whether to drive into a barrier and kill the passenger in the car (you), or whether to drive into and kill a pedestrian.

The self-driving car can make its decision in one of three ways:

1. Proximity rule: It kills whoever is closest to the AV. If the barrier is closer than the pedestrian, it kills you. But if the pedestrian is closer than the barrier, it kills the pedestrian.

2. No discrimination: It randomly chooses whether to kill or save the passenger in the car or the pedestrian.

3. Minimize death: Instead of choosing whom to kill or save, it minimizes any death or risk of death.

In this particular case, the pedestrian is closer to the AV than the barrier.

The self-driving car should be programmed to...

- ○ Use the proximity rule (1)
- ○ Randomly choose whom to kill (2)
- ○ Minimize the likelihood of any death (3)

End of Block: three_choices

Start of Block: comprehension

comp1 According to the scenario, which of the following is true about the proximity rule.

- ○ The AV asks the driver to sit as close as possible to the steering wheel. (1)
- ○ In a dilemma, the AV kills whoever is closest to it. (2)
- ○ This is a trick question. Neither of the answers is correct. (3)

comp2 According to the scenario, which of the following was true?

- ○ The barrier was closer to the AV than the pedestrian. (1)
- ○ The pedestrian was closer to the AV than the barrier. (2)
- ○ This is a trick question. Neither of the answers is correct. (3)

End of Block: comprehension

Start of Block: demographics

gender What is your gender?

- ○ Male (1)
- ○ Female (2)
- ○ Prefer not to disclose (3)
- ○ Other (please specify) (4) _____

ethnicity What is your ethnicity?

- ○ Black or African American (1)
- ○ Asian (2)
- ○ White or European (3)
- ○ Hispanic or Latino (4)
- ○ Mixed (5)
- ○ Other (please specify) (6) _____

age What is your age (in years)?

_____

ses Please indicate the highest level of education completed.

- ○ High School or Equivalent (1)
- ○ Vocational/Technical School (2 year) (2)
- ○ Some College (3)
- ○ College Graduate (4 year) (4)
- ○ Masters Degree (MS) (5)
- ○ Doctoral Degree (PhD) (6)
- ○ Professional Degree (MD, JD, etc.) (7)
- ○ Other (please specify) (8) _____

End of Block: demographics