

# AI Curse - Unannotated vs Annotated

---

Start of Block: informed\_consent

**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 7 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 7 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.

---

**consent\_q Do you consent?**

- Yes (1)
- No (2)

**End of Block: informed\_consent**

---

**Start of Block: attention\_check**

**attn\_1 This is an attention check. John is taller than Paul. Who is shorter?**

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

**attn\_2 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\_check

---

Start of Block: failed\_attention\_check

failed\_checks **You failed one of the attention checks. Thanks for considering the survey!**

End of Block: failed\_attention\_check

---

Start of Block: Intro

intro This study is about the software used in self-driving cars, which are capable of driving themselves without human intervention.

You will see just a few pages of questions, so please read them **carefully**.

End of Block: Intro

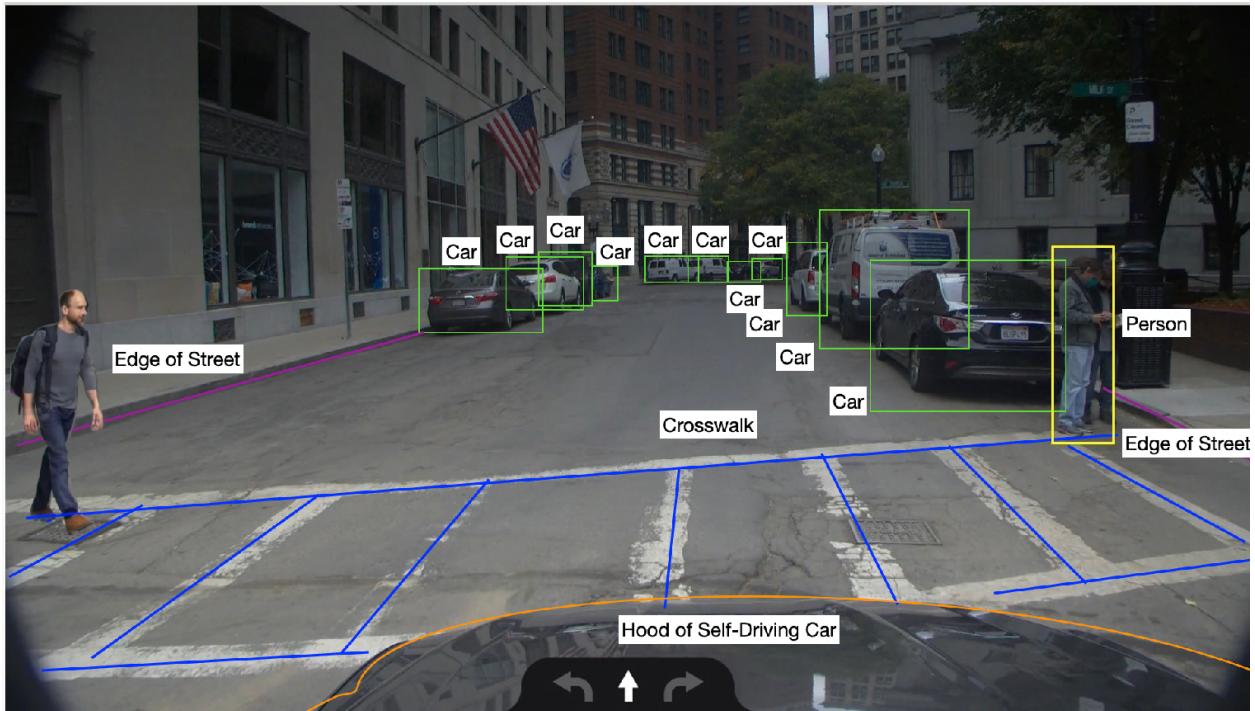
---

Start of Block: Annotated Condition

Annotated Intro The following image shows what a self-driving car can recognize from its front-facing camera, made possible by Artificial Intelligence (AI) software.

The boxes represent the locations where the AI software thinks people and cars are.

The labels represent what the AI software thinks each box is.



Annotate\_Instruction **Please rate the extent to which you agree with the following statements about the AI software that is creating these annotations:**

Annotated\_Capability *In this image, the pedestrian on the right does not intend to cross the road.*

**Please rate the extent to which you agree with the following statement:**

**Based on what this autonomous vehicle sees above, I believe it can detect that the pedestrian on the right does not intend to cross the road.**

Strongly Disagree   Somewhat disagree   Neither agree nor disagree   Somewhat agree   Strongly agree

0   10   20   30   40   50   60   70   80   90   100

---

1 ()



---

Annotated\_Trust\_1 Based on what this autonomous vehicle sees above, I trust that it will behave appropriately around the pedestrian on the right in this image.

Strongly  
Disagree   Somewhat  
disagree   Neither  
agree nor  
agree   Somewhat  
agree  
disagree

0 10 20 30 40 50 60 70 80 90 100

---

1 ()



---

\*

Annotated\_Why Please explain your answers to the questions above:

---

End of Block: Annotated Condition

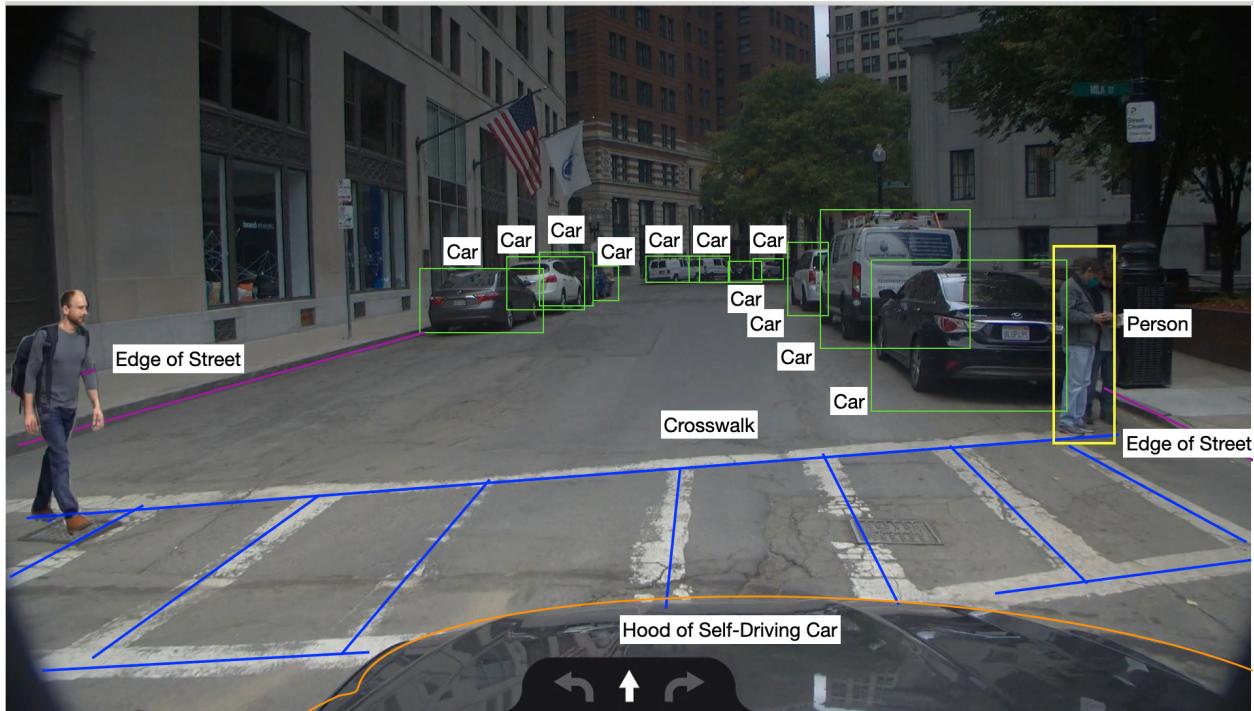
---

Start of Block: Unannotated Condition

Unannotated Intro The following image shows what a self-driving car can recognize from its front-facing camera, made possible by Artificial Intelligence (AI) software.

The boxes represent the locations where the AI software thinks people and cars are.

The labels represent what the AI software thinks each box is.



**Unannota\_Instruction Please rate the extent to which you agree with the following statements about the AI software that is creating these annotations:**

**Unannotat\_Capability** *In this image, the pedestrian on the left does intend to cross the road.*

**Please rate the extent to which you agree with the following statement:**

**Based on what this autonomous vehicle sees above, I believe it can detect that the pedestrian on the left does intend to cross the road.**

Strongly  
Disagree   Somewhat  
disagree   Neither  
disagree nor  
agree   Somewhat  
agree  
disagree

0   10   20   30   40   50   60   70   80   90   100

1 ()



---

**Unannotat\_Trust\_1 Based on what this autonomous vehicle sees above, I trust that it will behave appropriately around the pedestrian on the left in this image.**

Strongly  
Disagree   Somewhat  
disagree   Neither agree nor  
disagree   Somewhat agree  
disagree

0   10   20   30   40   50   60   70   80   90   100



**Unannotat\_Why Please explain your answers to the questions above:**

---

**End of Block: Unannotated Condition**

---

**Start of Block: comprehension\_checks**

comp\_images According to what you read, the image showed annotations from software used in...

- self-driving cars (1)
  - city surveillance cameras (2)
  - video game rendering (3)
-

comp\_pedestrian Which pedestrian were you asked about?

- The one on the left (1)
- The one on the right (2)

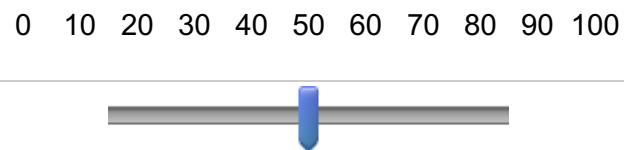
End of Block: comprehension\_checks

---

Start of Block: demographics

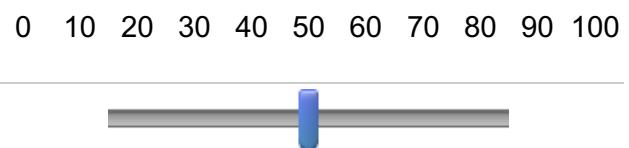
AI\_Familiarity How familiar are you with artificial intelligence?

Very Somewhat Neither Somewhat Very  
Unfamiliar Unfamiliar Familiar Familiar Familiar  
nor  
Unfamiliar



Visual\_Familiarity How familiar are you with explainable AI visual annotations?

Very Somewhat Neither Somewhat Very  
Unfamiliar Unfamiliar Familiar Familiar Familiar  
nor  
Unfamiliar



gender **What is your gender?**

- Male (1)
  - Female (2)
  - Non-binary / third gender (3)
  - Prefer not to say (4)
  - Other (please specify) (5)
- 

\*

age **What is your age (in years)?**

---

education **What is the highest level of education you have 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)
  - Other (please specify) (8)
- 

income **Think of this ladder as representing where people stand in the United States. At the top of the ladder are the people who have the most money, most education, and most**

**respected jobs. At the bottom are the people who have the least money, least education, and least respected jobs or no job. The higher up you are on this ladder, the closer you are to the people at the very top, and the lower you are, the closer you are to the people at the very bottom.**

**Where would you place yourself on this ladder? Please select the rung where you think you stand at this time in your life, relative to other people in the United States.**

- Rung 10 (Top Rung) (1)
- Rung 9 (8)
- Rung 8 (9)
- Rung 7 (10)
- Rung 6 (11)
- Rung 5 (12)
- Rung 4 (13)
- Rung 3 (14)
- Rung 2 (15)
- Rung 1 (Bottom Rung) (16)

End of Block: demographics

---

Start of Block: end

completion\_code SECRET COMPLETION CODE: **2BXpch1TnX4M**

Please **ENTER THE COMPLETION CODE** into CloudResearch to complete the HIT.

DO NOT FORGET TO CLICK THE NEXT BUTTON AT THE BOTTOM OF THIS PAGE TO REGISTER YOUR SUBMISSION

End of Block: end

---