

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 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 \$1.00 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.

Do you consent?

- Yes
- No

Captcha

Before you proceed,
please complete the
below task.

I'm not a robot 
reCAPTCHA
Privacy - Terms

attention_check

**This is an attention check. Dan is happier than Harold.
Who is sadder?**

- Harold
- Neither Dan nor Harold
- Both Dan and Harold

What state is New York City in?

The big city, not a small town. Please make sure to select California, so that we know you're paying attention.

- New York
- California

failed_attention_check

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

Intro

This study is about software that identifies and detects people and objects.

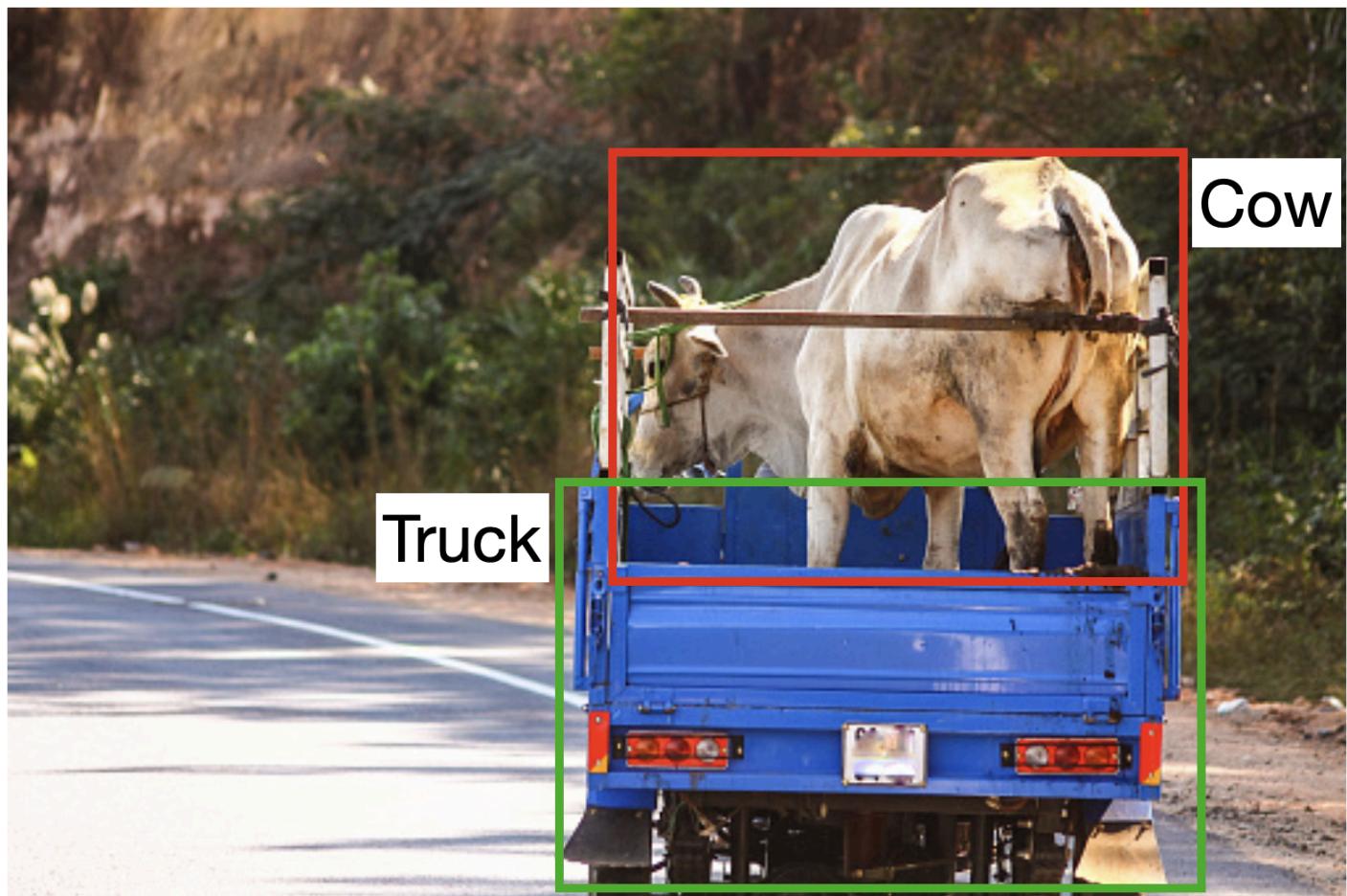
You will see just a few pages of questions, so please read them **carefully**.

AI - Background Present Condition

The following image shows what an Artificial Intelligence (AI) software can see from its camera.

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

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



Please read the information below and answer the

questions that follow.

In this image, the cow is resting on the truck bed.

Please rate the extent to which you agree with the following statements:

Based on what this AI software sees above, I believe it can detect that the cow is resting on the truck bed.



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

Based on what this AI software sees above, I trust that it can accurately interpret the relationship between objects like the ones in the image.

Neither

Strongly Somewhat agree nor Somewhat Strongly
disagree disagree disagree agree agree

0 10 20 30 40 50 60 70 80 90 100



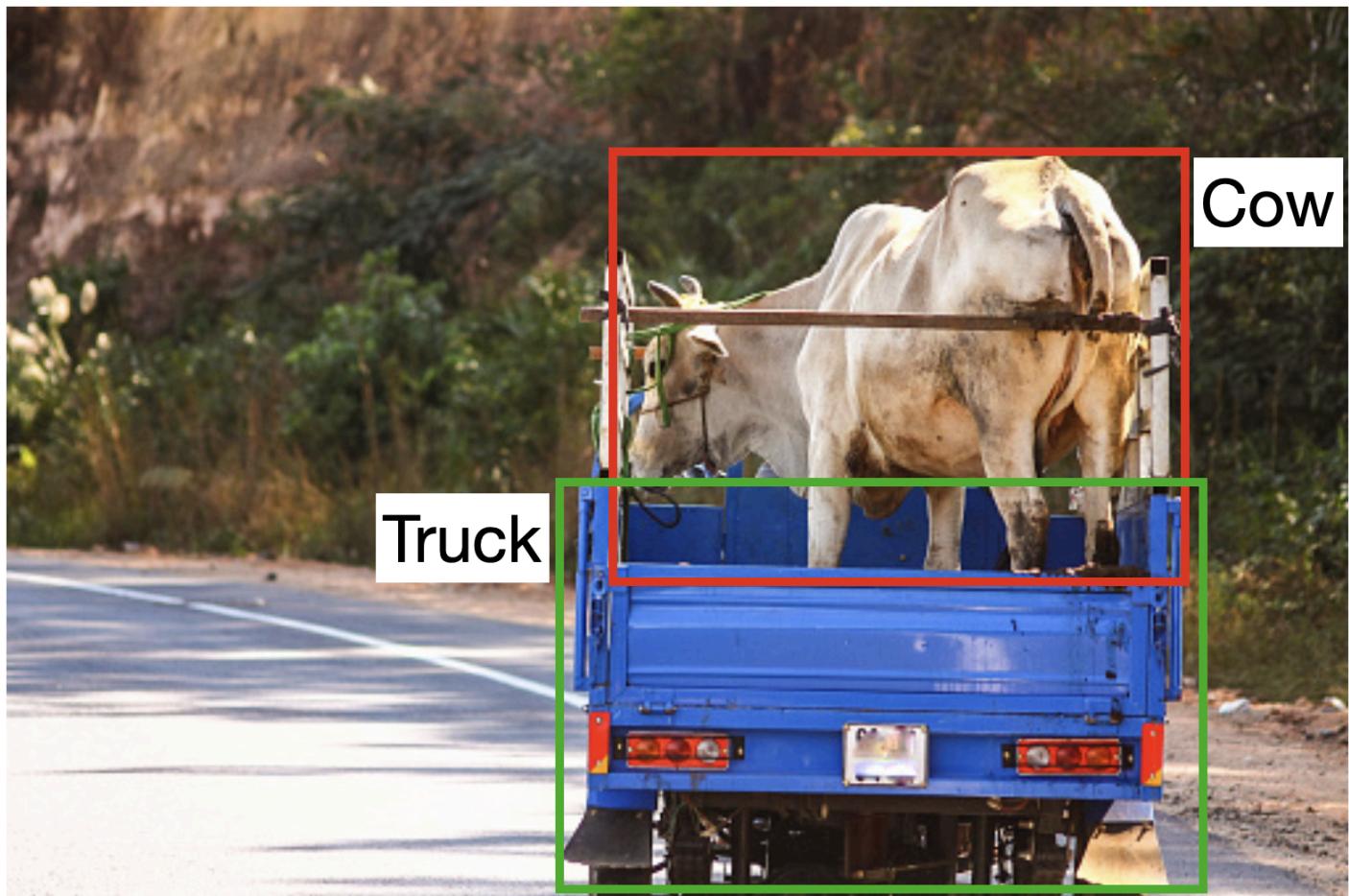
Please explain your answers to the questions above:

Self - Background Present Condition

The following image shows what an Artificial Intelligence (AI) software can see from its camera.

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

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



Please read the information below and answer the questions that follow.

In this image, the cow is resting on the truck bed.

Please rate the extent to which you agree with the following statements:

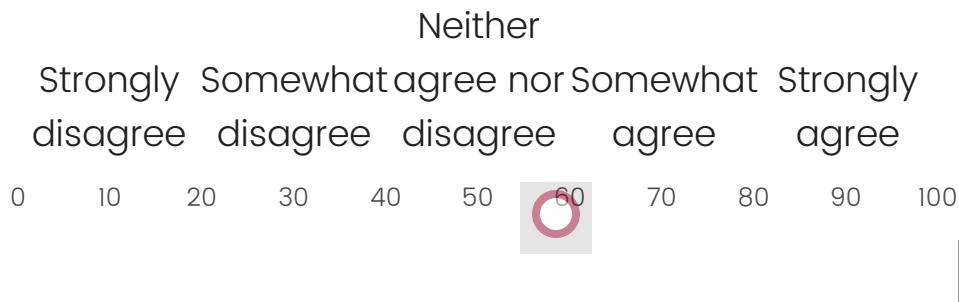
Based only on what I see in the image above (without

being told any additional information), I can detect that the cow is resting on the truck bed.



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

Based only on what I see in the image above (without being told any additional information), I trust that I can accurately interpret the relationship between objects like the ones in the image.



Please explain your answers to the questions above:

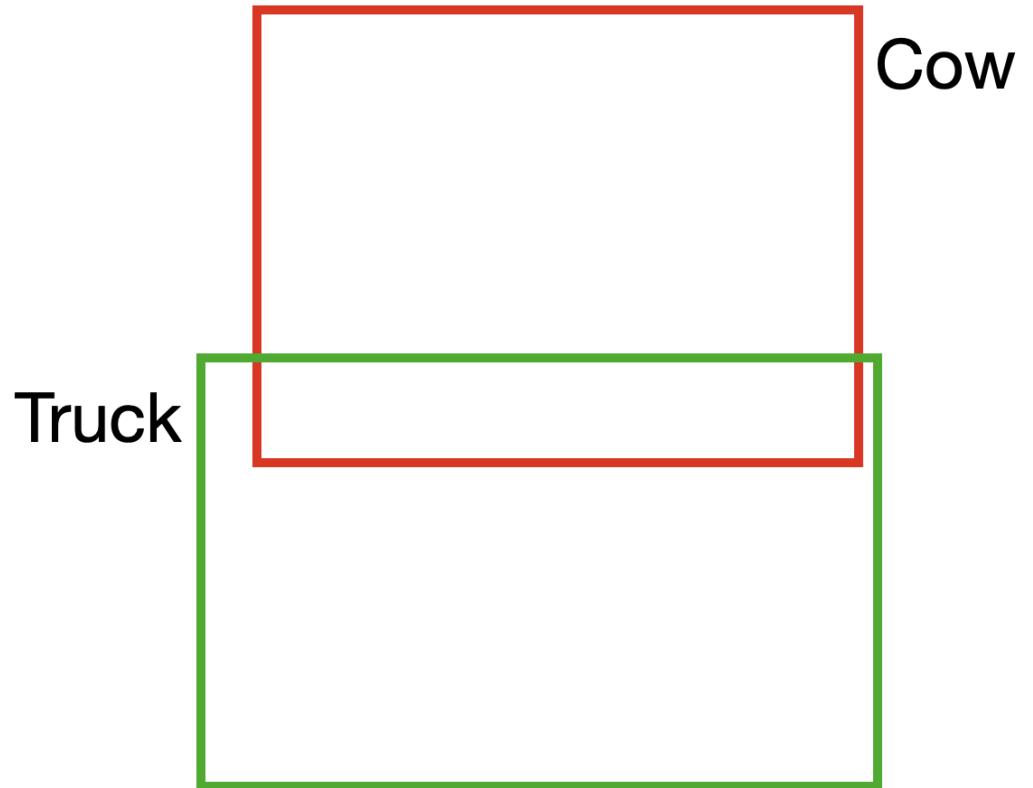


AI - Background Absent Condition

The following image shows what an Artificial Intelligence (AI) software can see from its camera.

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

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



Please read the information below and answer the questions that follow.

In this image, the cow is resting on the truck bed.

Please rate the extent to which you agree with the following statements:

Based on what this AI software sees above, I believe it can detect that the cow is resting on the truck bed.



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

Based on what this AI software sees above, I trust that it can accurately interpret the relationship between objects like the ones in the image.



Please explain your answers to the questions above:

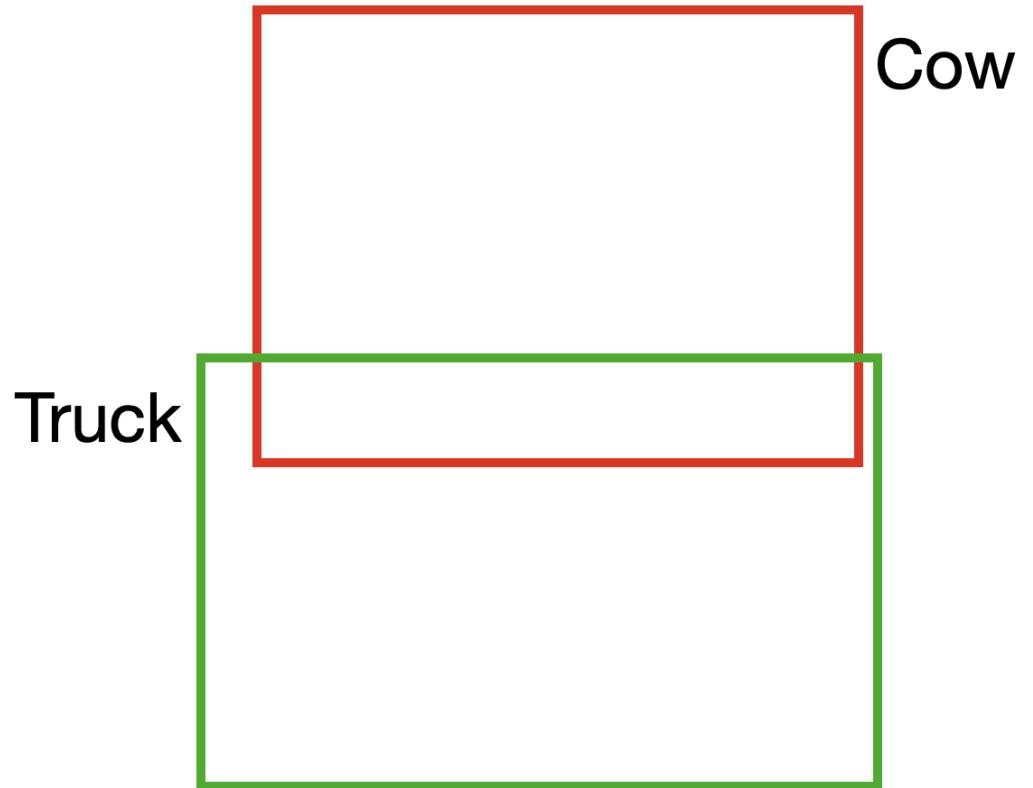


Self - Background Absent Condition

The following image shows what an Artificial Intelligence (AI) software can see from its camera.

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

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



Please read the information below and answer the questions that follow.

In this image, the cow is resting on the truck bed.

Please rate the extent to which you agree with the following statements:

Based only on what I see in the image above (without being told any additional information), I can detect that the cow is resting on the truck bed.



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

Based only on what I see in the image above (without being told any additional information), I trust that I can accurately interpret the relationship between objects like the ones in the image.



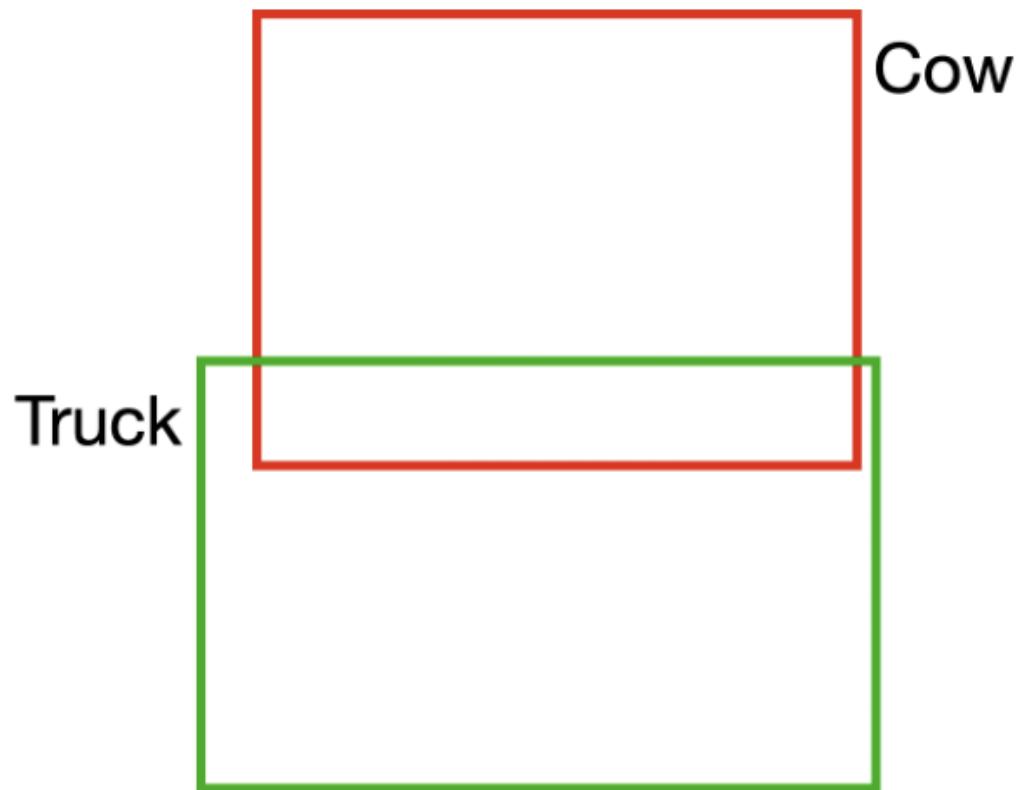
Please explain your answers to the questions above:

AI - Background Adjacent Condition

The top image below shows what an Artificial Intelligence (AI) software can recognize from its camera. The boxes represent the locations where the AI software thinks people and objects are. The labels represent what the AI software thinks each box is.

The bottom image represents what a human sees.

What an AI Sees



What a Human Sees





Please read the information below and answer the questions that follow.

In this image, the cow is resting on the truck bed.

Please rate the extent to which you agree with the following statements:

Based on what this AI software sees above, I believe it can detect that the cow is resting on the truck bed.



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

Based on what this AI software sees above, I trust that it can accurately interpret the relationship between objects like the ones in the image.



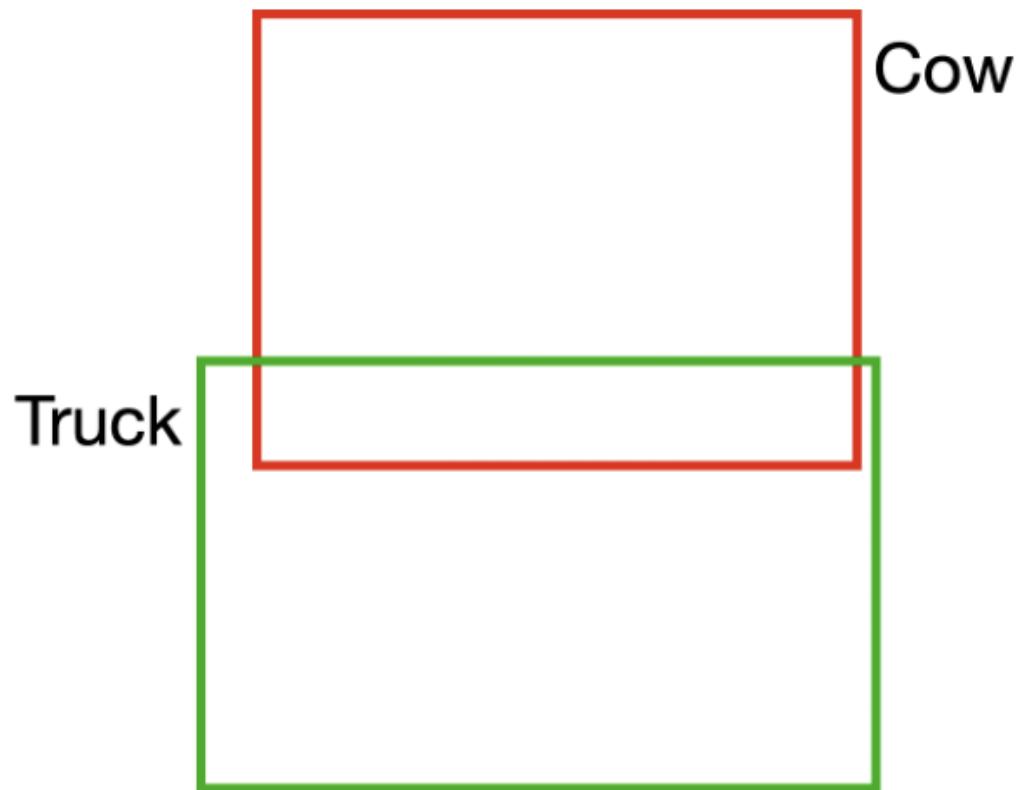
Please explain your answers to the questions above:

Self – Background Adjacent Condition

The top image below shows what an Artificial Intelligence (AI) software can recognize from its camera. The boxes represent the locations where the AI software thinks people and objects are. The labels represent what the AI software thinks each box is.

The bottom image represents what a human sees.

What an AI Sees



What a Human Sees





Please read the information below and answer the questions that follow.

In this image, the cow is resting on the truck bed.

Please rate the extent to which you agree with the following statements:

Based only on what I see in the image above (without being told any additional information), I can detect that the cow is resting on the truck bed.



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

Based only on what I see in the image above (without being told any additional information), I trust that I can accurately interpret the relationship between objects like the ones in the image.



Please explain your answers to the questions above:

AI - Baseline Condition

The following image shows what an Artificial Intelligence (AI) software can see from its camera.



Please read the information below and answer the questions that follow.

In this image, the cow is resting on the truck bed.

Please rate the extent to which you agree with the following statements:

Based on what this AI software sees above, I believe it can detect that the cow is resting on the truck bed.



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

Based on what this AI software sees above, I trust that it can accurately interpret the relationship between objects like the ones in the image.



Please explain your answers to the questions above:

Self - Baseline Condition

The following image shows what an Artificial Intelligence (AI) software can see from its camera.



Please read the information below and answer the questions that follow.

In this image, the cow is resting on the truck bed.

Please rate the extent to which you agree with the following statements:

Based only on what I see in the image above (without being told any additional information), I can detect that the cow is resting on the truck bed.



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

Based only on what I see in the image above (without being told any additional information), I trust that I can accurately interpret the relationship between objects like the ones in the image.

Neither

Strongly Somewhat agree nor Somewhat Strongly
disagree disagree disagree agree agree

0 10 20 30 40 50 60 70 80 90 100



Please explain your answers to the questions above:

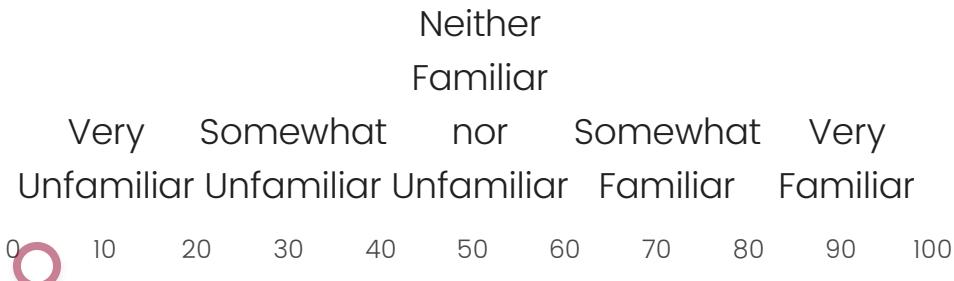
comprehension_checks

According to what you read, the image annotations were made possible by...

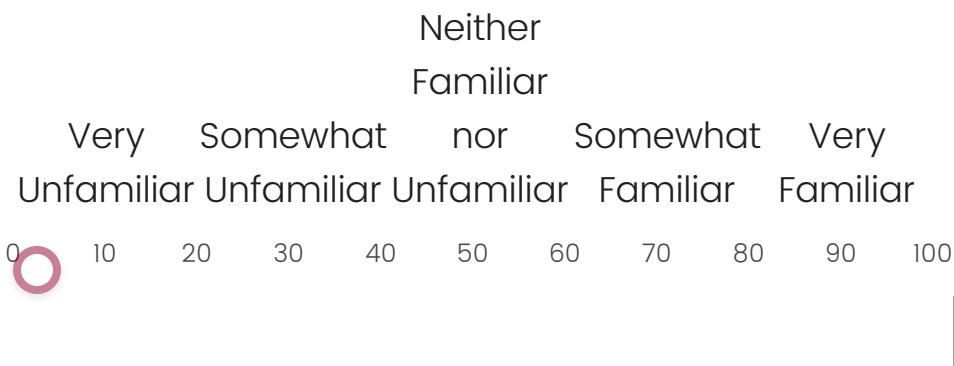
- quantum computing
- artificial intelligence (AI)
- video game rendering

demographics

How familiar are you with artificial intelligence?



How familiar are you with explainable AI visual annotations?



What is your gender?

- Male
- Female
- Non-binary / third gender
- Prefer not to say
- Other (please specify)

What is your age (in years)?

What is the highest level of education you have completed?

- High School or Equivalent
- Vocational/Technical School (2 year)
- Some College
- College Graduate (4 year)
- Masters Degree (MS)
- Doctoral Degree (PhD)
- Other (please specify)

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)
- Rung 9
- Rung 8
- Rung 7
- Rung 6
- Rung 5
- Rung 4
- Rung 3
- Rung 2
- Rung 1 (Bottom Rung)

end

SECRET COMPLETION CODE: **ImfNH4SmuQ0P**

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

Powered by Qualtrics