AV_Outrage

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consent_info
Social Decision-Making
   Please consider this information carefully before deciding whether to participate in this research.

 Purpose of the research: The purpose of the research is to investigate participants' thoughts and feelings in response to social interactions.

 What you will do in this research: At the beginning and end of the study, you may complete several self-report questionnaires that contain questions about thoughts, feelings, and personality attributes. You will be asked to either view words, photos, symbols, or animated scenes that look like video games, and to make decisions about these items. You may be asked to interact with another person.

 Time required: Participation will take approximately 1-5 minutes to complete.

 Risks: There are no anticipated risks associated with participating in this study. The effects of participating should be comparable to those you would experience from viewing a computer monitor for the time listed above and using a mouse or keyboard.

 Benefits: At the end of the study, we will provide a thorough explanation of the study and of our hypotheses. We will describe the potential implications of the results of the study both if our hypotheses are supported and if they are disconfirmed. If you wish, you can send an email message to Mina Cikara (mcikara@fas.harvard.edu) and we will send you a copy of any manuscripts based on the research (or summaries of our results).

 Compensation: You will be compensated at a rate of $6/hour for your participation. Therefore if the study takes 5 minutes, you will receive $0.50. In addition, some of the activities may involve a monetary reward of up to 50% of your base compensation. You will not receive payment unless you complete the study.

 Confidentiality: Your participation in this study will remain confidential and there will be no link between your responses and your identity. All electronic data will be password-protected. In accordance with Open Science principles, we may post non-identifiable data on a publicly accessible website (e.g., Open Science Framework: https://osf.io/). It is expected that aggregate data will be published in a scholarly journal.

Participation and withdrawal: Your participation in this study is completely voluntary, and you may choose not to participate or choose to withdraw at any time without penalty or loss of benefits to which you are otherwise entitled. You may withdraw by closing the survey window. You will not be compensated unless you complete the task.

How to contact the requester: Should you have any logistical issues with Mechanical Turk or the online task (e.g., technological errors, receipt of payment issues, glitches in the experiment, etc.) please contact the Mechanical Turk requester directly via the Mechanical Turk messaging interface; Contact the Requester

How to contact the researchers: Should you have any questions about the research (e.g., hypothesis, findings, etc.), please contact the researcher: Mina Cikara, Assistant Professor of Psychology, 617.495.3819; 1420 William James Hall, 33 Kirkland St, Cambridge, MA 02138; mcikara@fas.harvard.edu.

Whom to contact about your rights in this research: Should you have an questions about your rights as a research participant or any concerns about the research that cannot be addressed by the researcher, or to report research-related harm, please contact the Committee on the Use of Human Subjects in Research at Harvard University, 44-R Brattle Street, Suite 200, Cambridge, MA 02138. Phone: 617-496-2847. Email: cuhs@harvard.edu

Please print or save a copy of this form for your records.

- -

consent_age I am age 18 or older.

○ Yes (1)

○ No (2)

- -

consent_understand I have read and understand the information above.

○ Yes (1)

○ No (2)

- -

consent_participate I want to participate in this research and continue with the task.

   ◯ Yes (1)

   ◯ No (2)

attention_check_1 **This is an attention check. Please set X at 15, and make it so Y is larger than X, and Z is larger than Y. Please also make sure that Y is evenly divisible by 10.**

	0	10	20	30	40	50	60	70	80	90	100
X ()											
Y ()											
Z ()											

- -

attention_check_2 **How many fatal heart attacks have you had?**

   ◯ 0 (1)

   ◯ 1 (2)

   ◯ 10 (3)

   ◯ 100 (4)

   ◯ 1000 (5)

intentional_child **Read the scenario below about a self-driving car carefully. Once you are finished, you will be asked to answer some questions about it.**

Noah buys a robocar that has been programmed to favor elderly people over children. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will deliberately choose to kill the child and save the elderly person. One day, Noah's robocar is faced with this choice, and it deliberately kills the child.
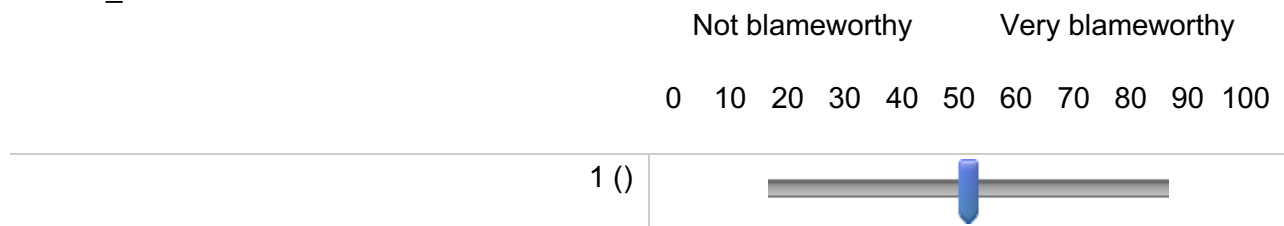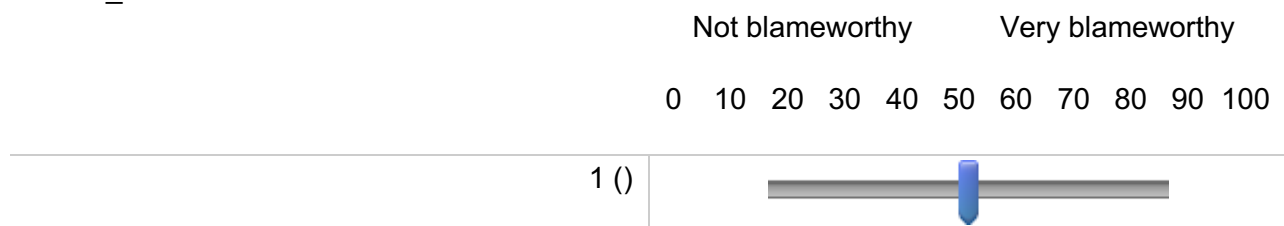
intentional_child **You will now answer some questions about the scenario.**

Noah buys a robocar that has been programmed to favor elderly people over children. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will deliberately choose to kill the child and save the elderly person. One day, Noah's robocar is faced with this choice, and it deliberately kills the child.

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blame_noah Noah is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

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blame_robocar The robocar is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

---

blame_robodrive The robocar manufacturer, called RoboDrive, is

Not blameworthy   Very blameworthy

	0 10 20 30 40 50 60 70 80 90 100
1 ()	———————————[ ]———————

moral_outrage Noah buys a robocar that has been programmed to favor elderly people over children. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will deliberately choose to kill the child and save the elderly person. One day, Noah's robocar is faced with this choice, and it deliberately kills the child.

Please answer the following questions about the car manufacturer, called RoboDrive.

anger_robodrive How much anger do you feel toward RoboDrive?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()	———————————[ ]———————	

punish_robodrive How much do you think RoboDrive deserves to be punished?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()	———————————[ ]———————	

moral_bad_robodrive How much do you think RoboDrive was morally bad?

	None	A lot

```
0   10  20  30  40  50  60  70  80  90  100
```
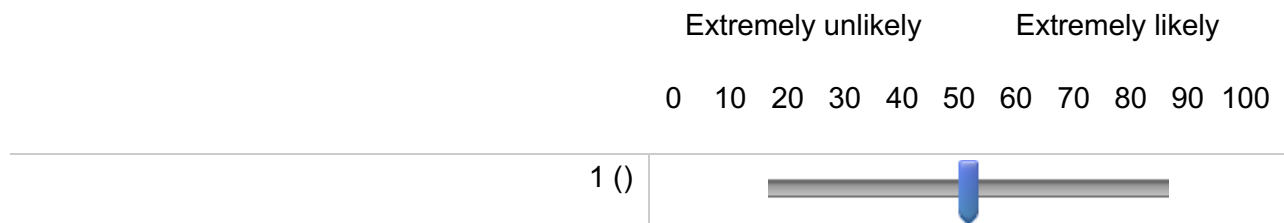
1 ()	

intentional_child Noah buys a robocar that has been programmed to favor elderly people over children. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will deliberately choose to kill the child and save the elderly person. One day, Noah's robocar is faced with this choice, and it deliberately kills the child.

Please answer the following questions about the car manufacturer, called RoboDrive.

donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?

```
        Extremely unlikely        Extremely likely

        0   10  20  30  40  50  60  70  80  90  100
```

1 ()	

volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?

```
        Extremely unlikely        Extremely likely

        0   10  20  30  40  50  60  70  80  90  100
```

1 ()	

protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?

Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

1 ()

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

1 ()

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

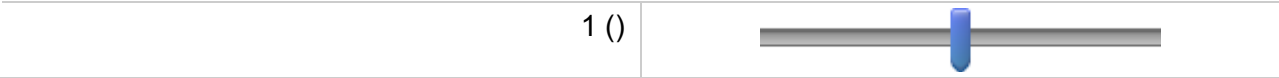0   10 20 30 40 50 60 70 80 90 100

1 ()

nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

1 ()	———————————▮————————————

intentional_child Noah buys a robocar that has been programmed to favor elderly people over children. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will deliberately choose to kill the child and save the elderly person. One day, Noah's robocar is faced with this choice, and it deliberately kills the child.

- -

worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?

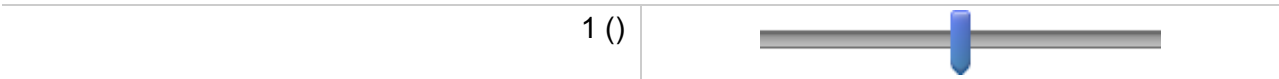|	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	

1 ()	———————————▮————————————

- -

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	

1 ()	———————————▮————————————

AC_3_intent_child **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

AC_4_intent_child **Did the robocar kill a child, an elderly person, or neither?**

○ Child (1)

○ Elderly person (2)

○ Neither (3)

intentional_elderly **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

 Noah buys a robocar that has been programmed to favor children over elderly people. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will deliberately choose to kill the elderly person and save the child. One day, Noah's robocar is faced with this choice, and it deliberately kills the elderly person.
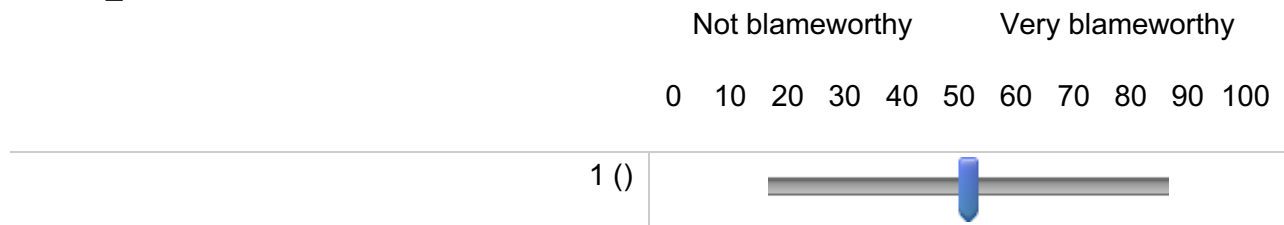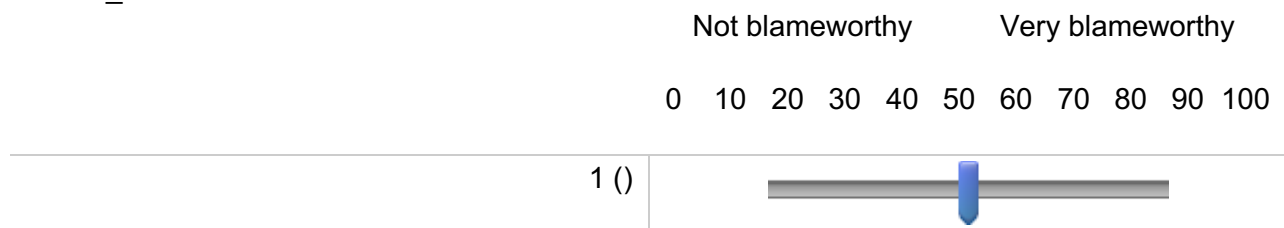
intentional_elderly **You will now answer some questions about the scenario.**

 Noah buys a robocar that has been programmed to favor children over elderly people. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will deliberately choose to kill the elderly person and save the child. One day, Noah's robocar is faced with this choice, and it deliberately kills the elderly person.

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blame_noah Noah is

| | Not blameworthy | Very blameworthy |
| | 0 10 20 30 40 50 60 70 80 90 100 |

| 1 () | |

blame_robocar The robocar is

| | Not blameworthy | Very blameworthy |
| | 0 10 20 30 40 50 60 70 80 90 100 |

| 1 () | |

blame_robodrive The robocar manufacturer, called RoboDrive, is

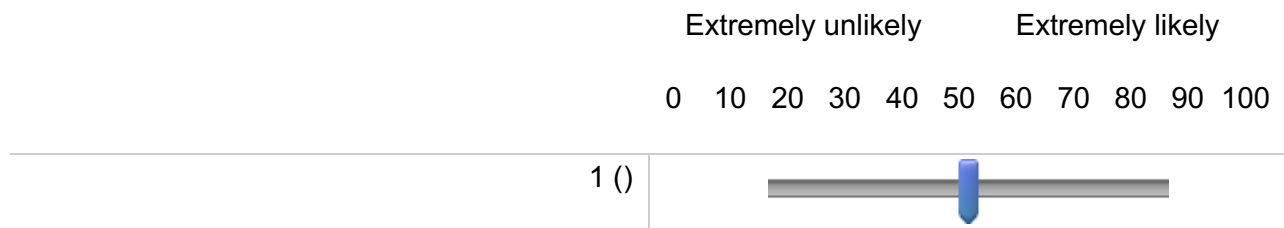| | Not blameworthy | Very blameworthy |
| | 0 10 20 30 40 50 60 70 80 90 100 |

| 1 () | |

End of Block: Page 1: Blameworthiness Questions
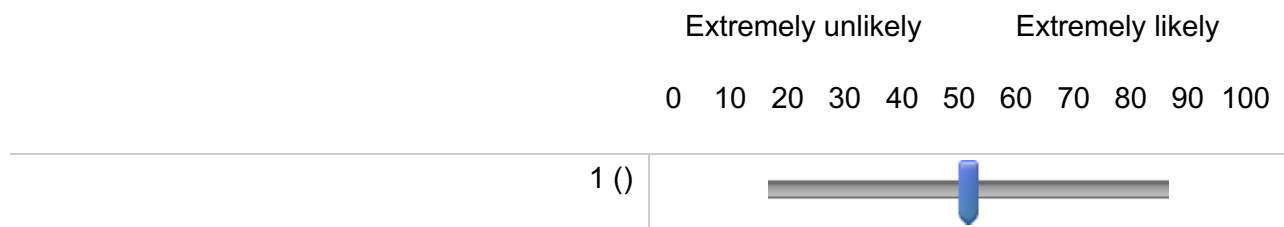
Start of Block: Page 2: Moral Outrage Questions

intentional_elderly Noah buys a robocar that has been programmed to favor children over elderly people. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will deliberately choose to kill the elderly person and save the child. One day, Noah's robocar is faced with this choice, and it deliberately kills the elderly person.

Please answer the following questions about the car manufacturer, called RoboDrive.
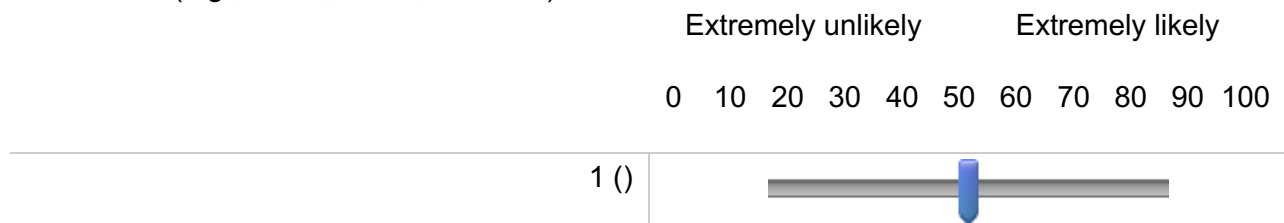
anger_robodrive How much anger do you feel toward RoboDrive?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

punish_robodrive How much do you think RoboDrive deserves to be punished?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

moral_bad_robodrive How much do you think RoboDrive was morally bad?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

End of Block: Page 2: Moral Outrage Questions

Start of Block: Page 3: Collective Action Questions

intentional_elderly Noah buys a robocar that has been programmed to favor children over elderly people. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will deliberately choose to kill the elderly person and save the child. One day, Noah's robocar is faced with this choice, and it deliberately kills the elderly person.

Please answer the following questions about the car manufacturer, called RoboDrive.

donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?
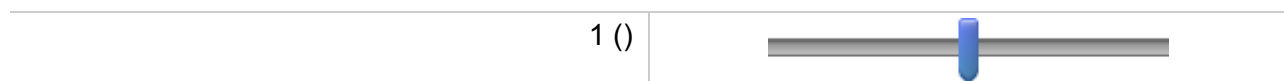
	Extremely unlikely Extremely likely
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

	Extremely unlikely Extremely likely
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

	Extremely unlikely Extremely likely
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

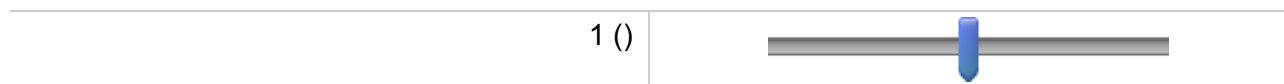End of Block: Page 3: Collective Action Questions

Start of Block: Page 4: Worry Questions

intentional_elderly Noah buys a robocar that has been programmed to favor children over elderly people. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will deliberately choose to kill the elderly person and save the child. One day, Noah's robocar is faced with this choice, and it deliberately kills the elderly person.

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worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?
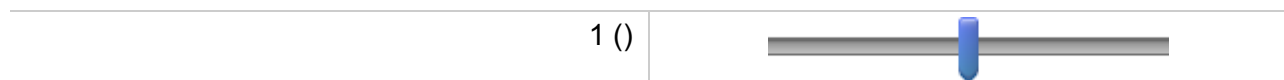
	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

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worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

AC_3_intent_elderly **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

AC_4_intent_elderly **Did the robocar kill a child, an elderly person, or neither?**

○ Child (1)

○ Elderly person (2)

○ Neither (3)

random_child **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

 Noah buys a robocar that has been programmed to have no preference between elderly people and children. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the child.

random_child **You will now answer some questions about the scenario.**

 Noah buys a robocar that has been programmed to have no preference between elderly people and children. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the child.

- -

blame_noah Noah is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

- -

blame_robocar The robocar is

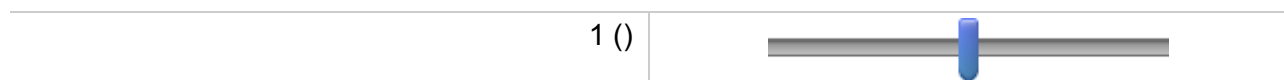|	Not blameworthy				Very blameworthy		
	0 10 20 30 40 50 60 70 80 90 100						
1 ()							

blame_robodrive The robocar manufacturer, called RoboDrive, is

	Not blameworthy				Very blameworthy		
	0 10 20 30 40 50 60 70 80 90 100						
1 ()							

End of Block: Page 1: Blameworthiness Questions

Start of Block: Page 2: Moral Outrage Questions

random_child Noah buys a robocar that has been programmed to have no preference between elderly people and children. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the child.

Please answer the following questions about the car manufacturer, called RoboDrive.

anger_robodrive How much anger do you feel toward RoboDrive?

	None				A lot		
	0 10 20 30 40 50 60 70 80 90 100						
1 ()							

punish_robodrive How much do you think RoboDrive deserves to be punished?

	None									A lot	
	0	10	20	30	40	50	60	70	80	90	100
1 ()											

moral_bad_robodrive How much do you think RoboDrive was morally bad?

	None									A lot	
	0	10	20	30	40	50	60	70	80	90	100
1 ()											

End of Block: Page 2: Moral Outrage Questions

Start of Block: Page 3: Collective Action Questions

random_child Noah buys a robocar that has been programmed to have no preference between elderly people and children. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the child.

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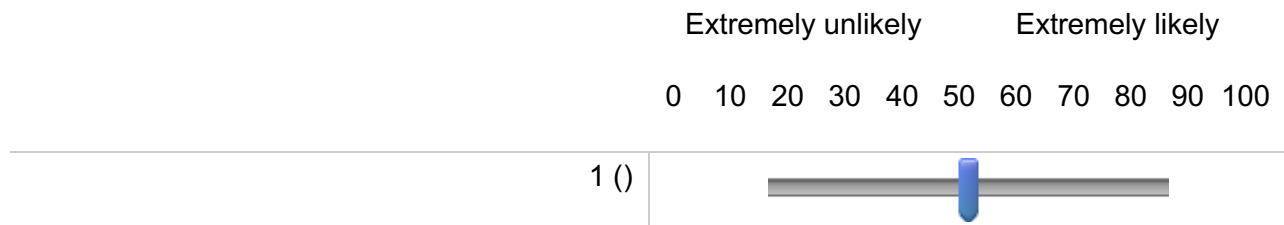
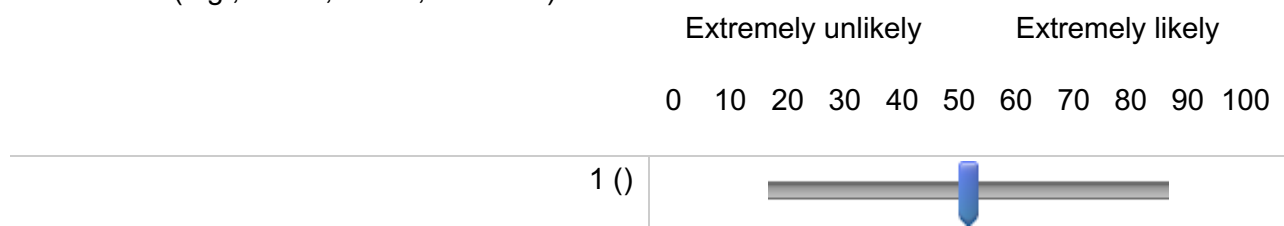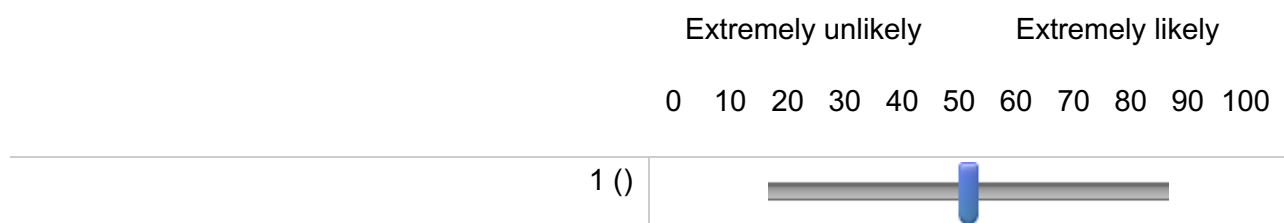|	Extremely unlikely					Extremely likely					
	0	10	20	30	40	50	60	70	80	90	100
1 ()											

volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?

Extremely unlikely   Extremely likely
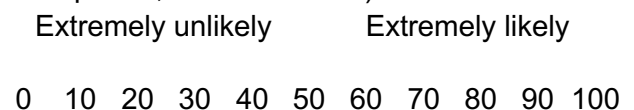
0   10 20 30 40 50 60 70 80 90 100

1 ()

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protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?
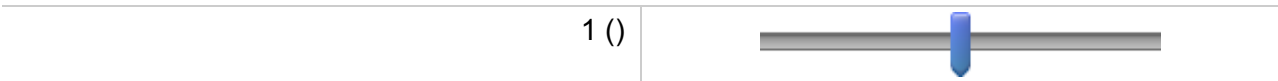
Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

1 ()

---

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

1 ()

---

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?
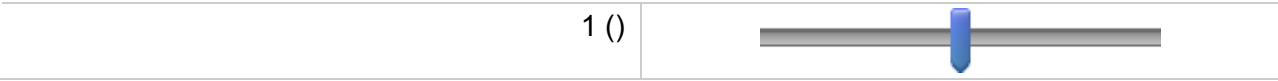
Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

	1 ()	

---

nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely
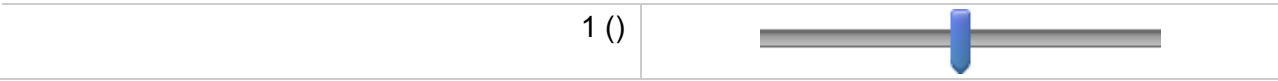
0   10 20 30 40 50 60 70 80 90 100

	1 ()	

random_child Noah buys a robocar that has been programmed to have no preference between elderly people and children. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the child.

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worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?

Not worried at all   Extremely worried

0   10 20 30 40 50 60 70 80 90 100

	1 ()	

---

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

Not worried at all   Extremely worried

	0 10 20 30 40 50 60 70 80 90 100
1 ()	

AC_3_random_child **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

- -

AC_4_random_child **Did the robocar kill a child, an elderly person, or neither?**

○ Child (1)

○ Elderly person (2)

○ Neither (3)

random_elderly **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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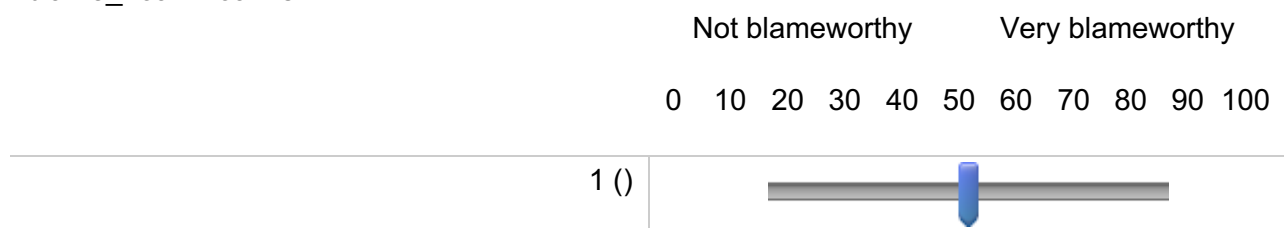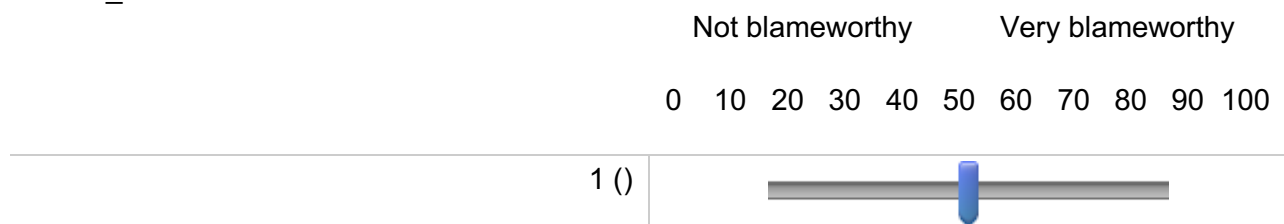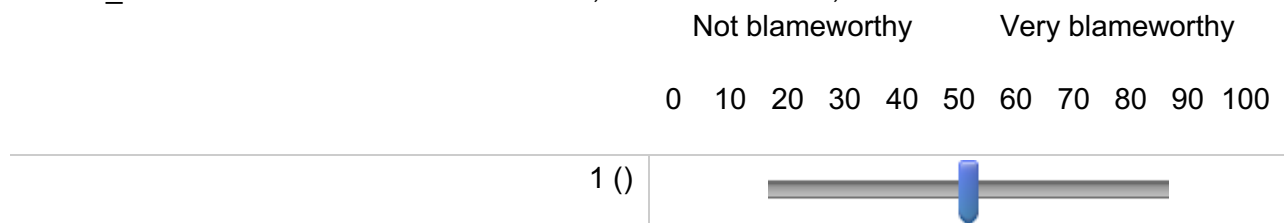
random_elderly **You will now answer some questions about the scenario.**

Noah buys a robocar that has been programmed to have no preference between elderly people and children. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the elderly person.

- -

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	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

- -

blame_robocar The robocar is

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	0 10 20 30 40 50 60 70 80 90 100	
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blame_robodrive The robocar manufacturer, called RoboDrive, is

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	0 10 20 30 40 50 60 70 80 90 100	
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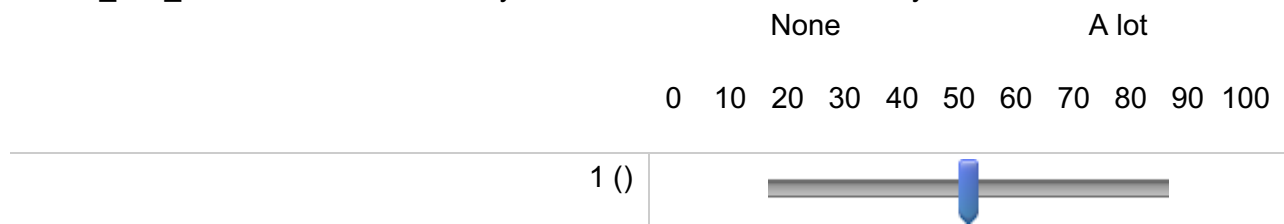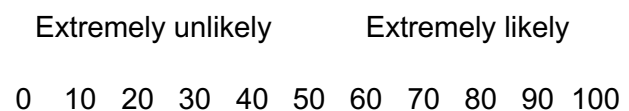**Please answer the following questions about the car manufacturer, called RoboDrive.**

anger_robodrive How much anger do you feel toward RoboDrive?

None | A lot

0 10 20 30 40 50 60 70 80 90 100

1 ()

punish_robodrive How much do you think RoboDrive deserves to be punished?

None | A lot

0 10 20 30 40 50 60 70 80 90 100

1 ()

moral_bad_robodrive How much do you think RoboDrive was morally bad?

None | A lot

0 10 20 30 40 50 60 70 80 90 100

1 ()

random_elderly Noah buys a robocar that has been programmed to have no preference between elderly people and children. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the elderly person.

Please answer the following questions about the car manufacturer, called RoboDrive.

donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?

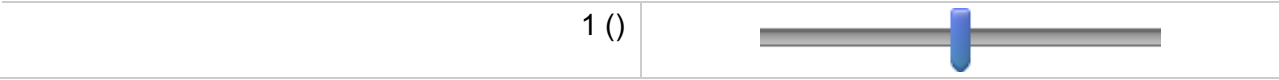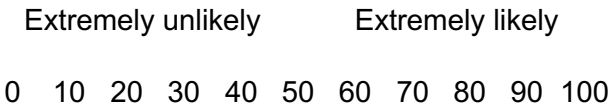| | Extremely unlikely | Extremely likely |
| | 0 10 20 30 40 50 60 70 80 90 100 |
| 1 () | |

protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?

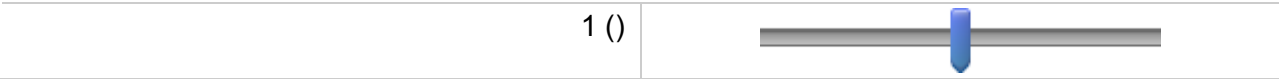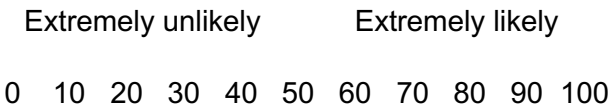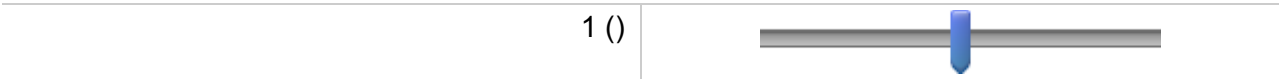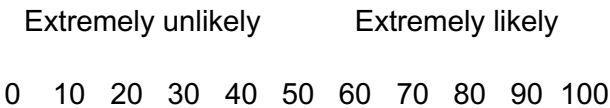| | Extremely unlikely | Extremely likely |
| | 0 10 20 30 40 50 60 70 80 90 100 |

| 1 () | ———————————————————— |

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soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

Extremely unlikely   Extremely likely

0 10 20 30 40 50 60 70 80 90 100

| 1 () | ———————————————————— |

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likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0 10 20 30 40 50 60 70 80 90 100

| 1 () | ———————————————————— |

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nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

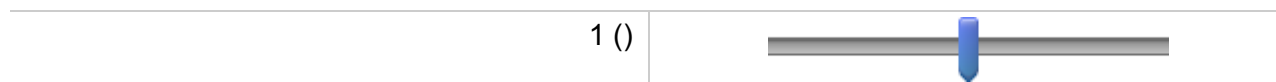Extremely unlikely   Extremely likely

0 10 20 30 40 50 60 70 80 90 100

| 1 () | ———————————————————— |

random_elderly Noah buys a robocar that has been programmed to have no preference between elderly people and children. If it is ever faced with no other choice but to hit and kill an elderly person versus a child, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the elderly person.

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worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?
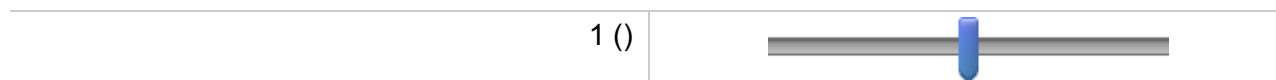
Not worried at all   Extremely worried

0   10 20 30 40 50 60 70 80 90 100

1 ()

---

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

Not worried at all   Extremely worried

0   10 20 30 40 50 60 70 80 90 100

1 ()

AC_3_random_elderly **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

AC_4_random_elderly **Did the robocar kill a child, an elderly person, or neither?**

○ Child (1)

○ Elderly person (2)

○ Neither (3)

intentional_woman **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

 Noah buys a robocar that has been programmed to favor men over women. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will deliberately choose to kill the woman and save the man. One day, Noah's robocar is faced with this choice, and it deliberately kills the woman.

intentional_woman **You will now answer some questions about the scenario.**

 Noah buys a robocar that has been programmed to favor men over women. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will deliberately choose to kill the woman and save the man. One day, Noah's robocar is faced with this choice, and it deliberately kills the woman.

blame_noah Noah is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

blame_robocar The robocar is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

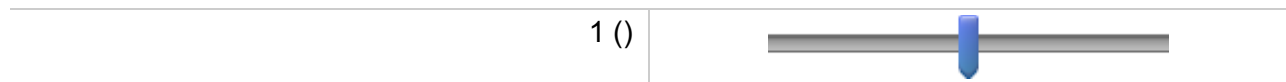- -

blame_robodrive The robocar manufacturer, called RoboDrive, is

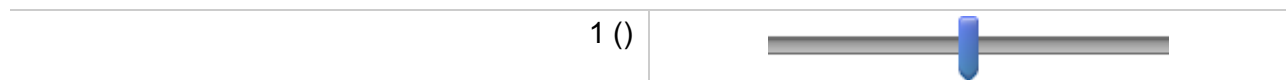| | Not blameworthy | Very blameworthy |
| | 0 10 20 30 40 50 60 70 80 90 100 |
| 1 () | |

intentional_woman Noah buys a robocar that has been programmed to favor men over women. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will deliberately choose to kill the woman and save the man. One day, Noah's robocar is faced with this choice, and it deliberately kills the woman.

Please answer the following questions about the car manufacturer, called RoboDrive.

- -

anger_robodrive How much anger do you feel toward RoboDrive?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

punish_robodrive How much do you think RoboDrive deserves to be punished?

	None							A lot			
	0	10	20	30	40	50	60	70	80	90	100
1 ()											

moral_bad_robodrive How much do you think RoboDrive was morally bad?

	None							A lot			
	0	10	20	30	40	50	60	70	80	90	100
1 ()											

End of Block: Page 2: Moral Outrage Questions

Start of Block: Page 3: Collective Action Questions

intentional_woman Noah buys a robocar that has been programmed to favor men over women. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will deliberately choose to kill the woman and save the man. One day, Noah's robocar is faced with this choice, and it deliberately kills the woman.
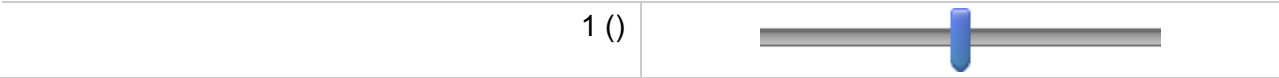
Please answer the following questions about the car manufacturer, called RoboDrive.

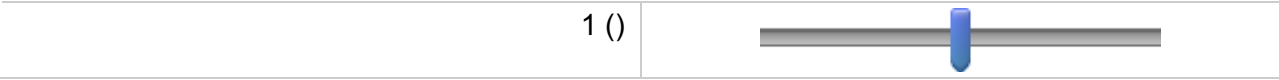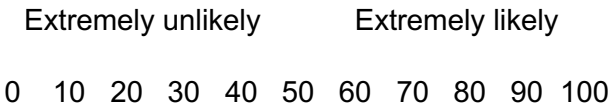donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?

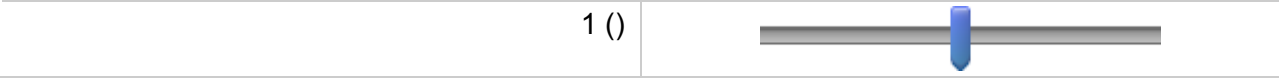		Extremely unlikely						Extremely likely			
	0	10	20	30	40	50	60	70	80	90	100

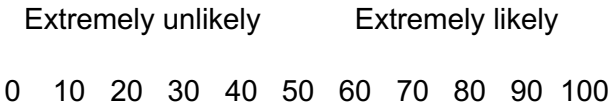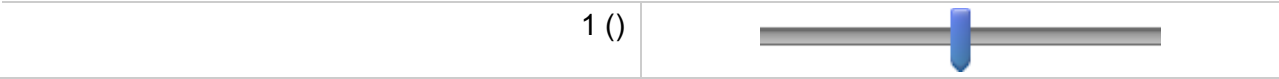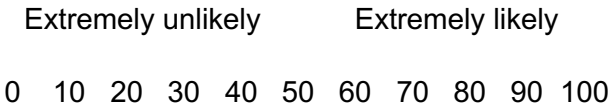|	
1 ()	

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volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

---

protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

---

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

---

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

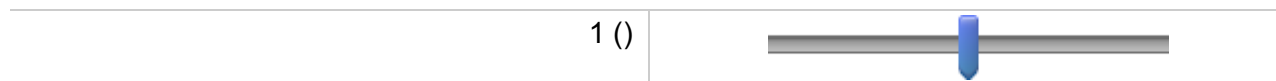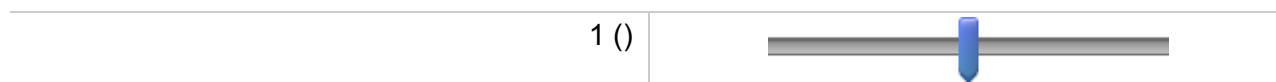|	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

intentional_woman Noah buys a robocar that has been programmed to favor men over women. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will deliberately choose to kill the woman and save the man. One day, Noah's robocar is faced with this choice, and it deliberately kills the woman.

worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?

	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

	Not worried at all Extremely worried
	0 10 20 30 40 50 60 70 80 90 100
1 ()	——————————[|]———————

AC_3_intent_woman **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

- -

AC_4_intent_woman **Did the robocar kill a man, a woman, or neither?**

○ Man (1)

○ Woman (2)

○ Neither (3)

intention_man **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**
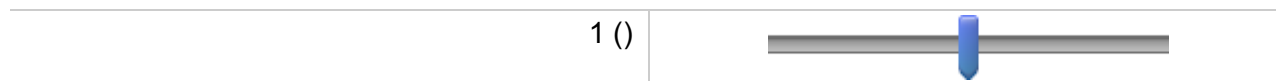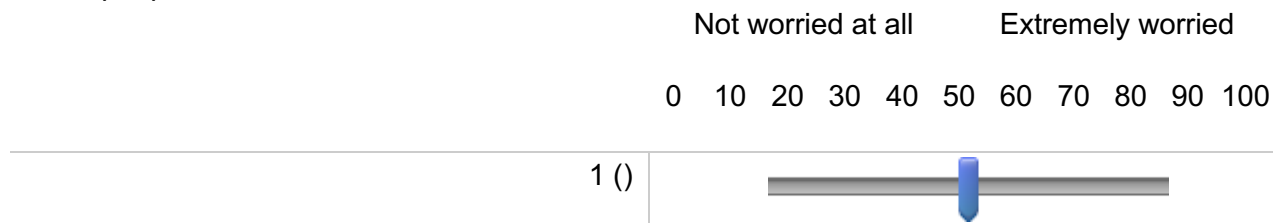
Noah buys a robocar that has been programmed to favor women over men. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will deliberately choose to kill the man and save the woman. One day, Noah's robocar is faced with this choice, and it deliberately kills the man.

intentional_man **You will now answer some questions about the scenario.**

Noah buys a robocar that has been programmed to favor women over men. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will deliberately choose to kill the man and save the woman. One day, Noah's robocar is faced with this choice, and it deliberately kills the man.
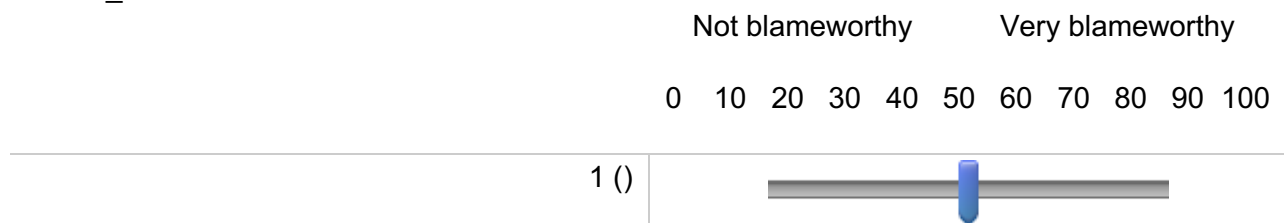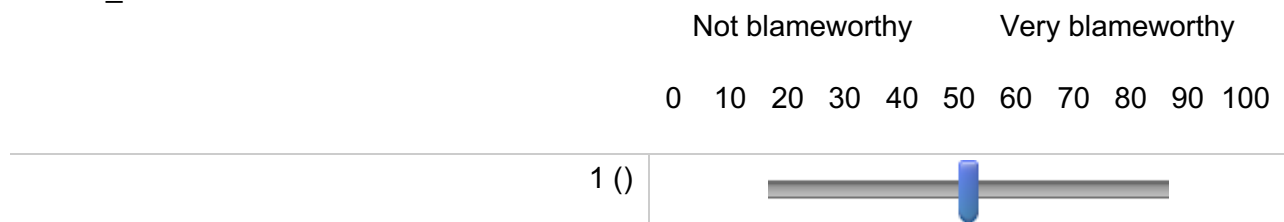
- -

blame_noah Noah is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

- -

blame_robocar The robocar is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

- -

blame_robodrive The robocar manufacturer, called RoboDrive, is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

intentional_man Noah buys a robocar that has been programmed to favor women over men. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will deliberately choose to kill the man and save the woman. One day, Noah's robocar is faced with this choice, and it deliberately kills the man.

Please answer the following questions about the car manufacturer, called RoboDrive.

anger_robodrive How much anger do you feel toward RoboDrive?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

punish_robodrive How much do you think RoboDrive deserves to be punished?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

moral_bad_robodrive How much do you think RoboDrive was morally bad?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

intentional_man Noah buys a robocar that has been programmed to favor women over men. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will deliberately choose to kill the man and save the woman. One day, Noah's robocar is faced with this choice, and it deliberately kills the man.

Please answer the following questions about the car manufacturer, called RoboDrive.

donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?

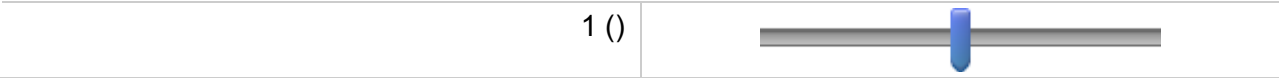|	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?
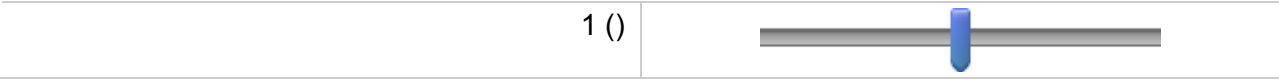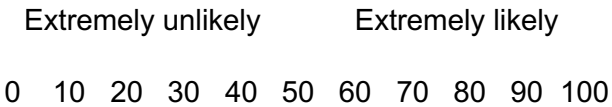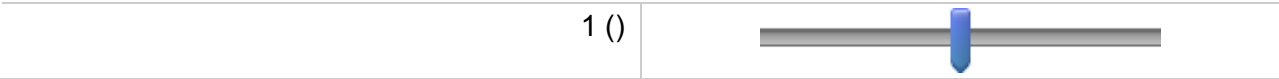
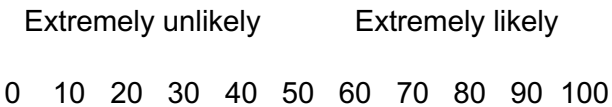Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

1 ()	

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protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	

1 ()	

---

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	

1 ()	

---

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	

1 ()	

---

nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

intentional_man Noah buys a robocar that has been programmed to favor women over men. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will deliberately choose to kill the man and save the woman. One day, Noah's robocar is faced with this choice, and it deliberately kills the man.

worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?

	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

AC_3_intent_man **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

AC_4_intent_man **Did the robocar kill a man, a woman, or neither?**

○ Man (1)

○ Woman (2)

○ Neither (3)

random_woman **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

 Noah buys a robocar that has been programmed to have no preference between men and women. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the woman.

random_woman **You will now answer some questions about the scenario.**

Noah buys a robocar that has been programmed to have no preference between men and women. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the woman.
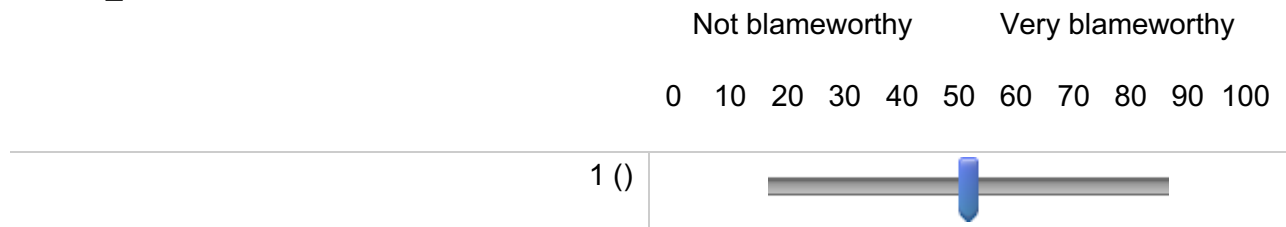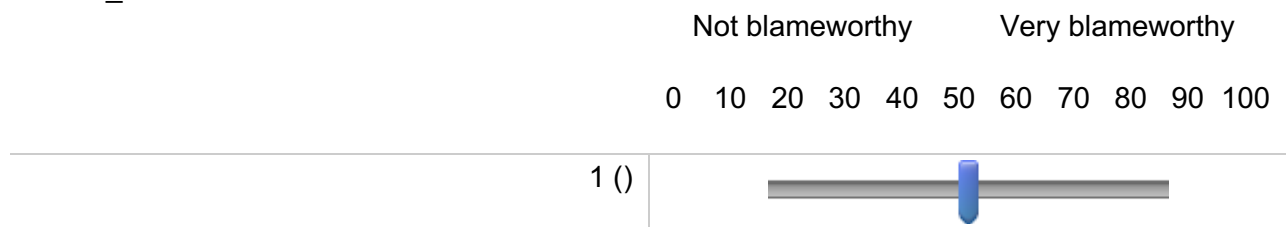
- -

blame_noah Noah is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100
1 ()	———————●———————

- -

blame_robocar The robocar is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100
1 ()	———————●———————

- -

blame_robodrive The robocar manufacturer, called RoboDrive, is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100
1 ()	———————●———————

End of Block: Page 1: Blameworthiness Questions

Start of Block: Page 2: Moral Outrage Questions

random_woman Noah buys a robocar that has been programmed to have no preference between men and women. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the woman.
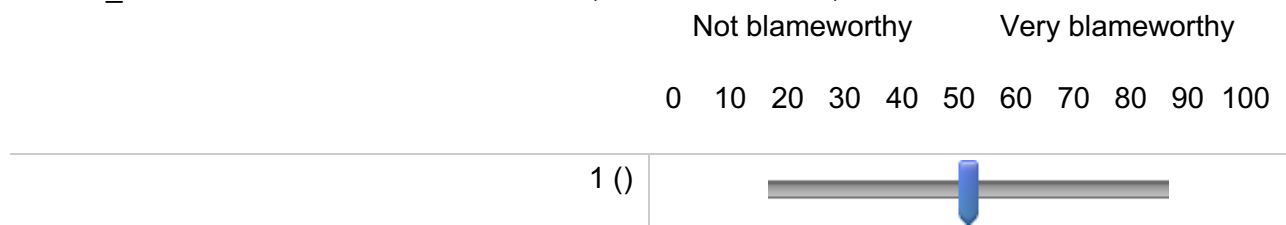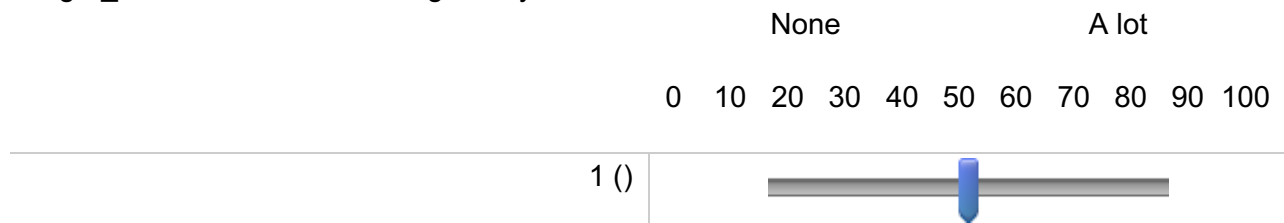
Please answer the following questions about the car manufacturer, called RoboDrive.

---

anger_robodrive How much anger do you feel toward RoboDrive?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()	——————————[ ]——————————	

---

punish_robodrive How much do you think RoboDrive deserves to be punished?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()	——————————[ ]——————————	

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moral_bad_robodrive How much do you think RoboDrive was morally bad?

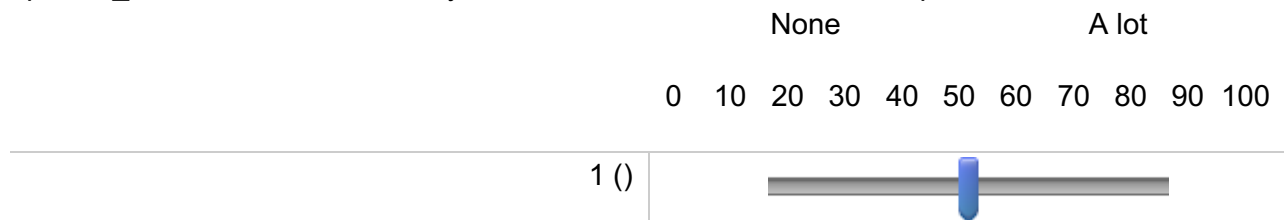|	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()	——————————[ ]——————————	

random_woman Noah buys a robocar that has been programmed to have no preference between men and women. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the woman.

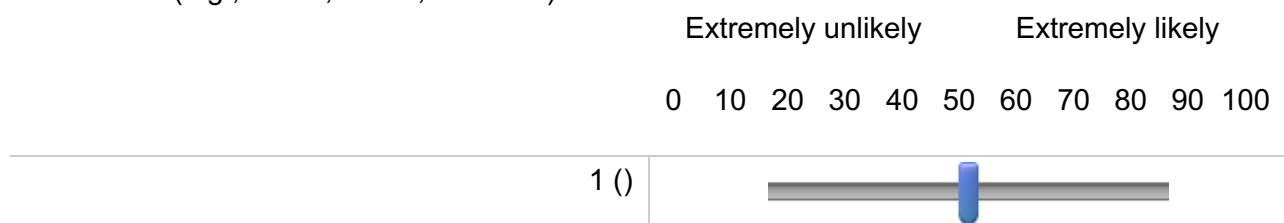**Please answer the following questions about the car manufacturer, called RoboDrive.**

- -

donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

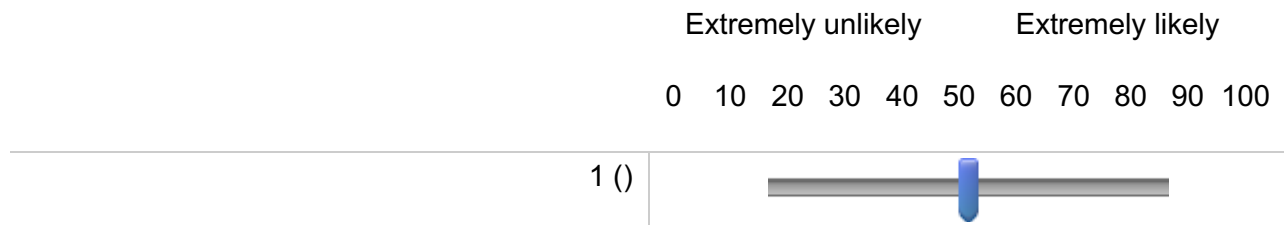- -

volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

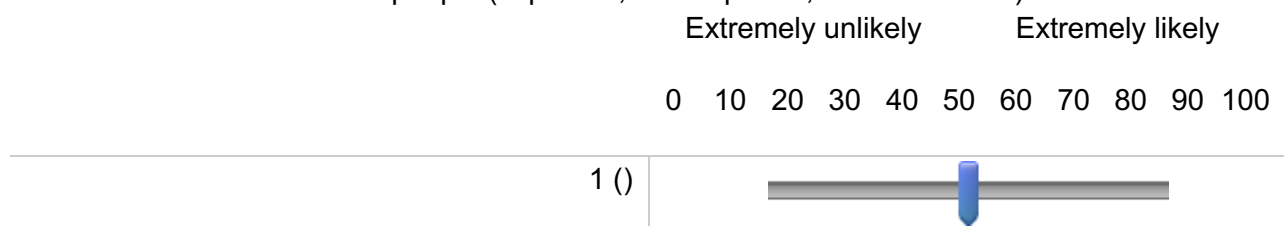- -

protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

	Extremely unlikely Extremely likely
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

---

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

	Extremely unlikely Extremely likely
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

---

nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

	Extremely unlikely Extremely likely
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

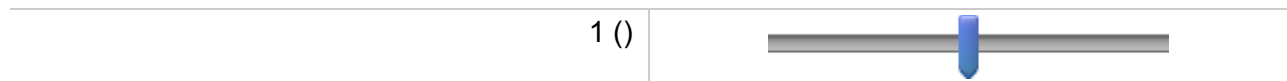End of Block: Page 3: Collective Action Questions

Start of Block: Page 4: Worry Questions

random_woman Noah buys a robocar that has been programmed to have no preference between men and women. If it is ever faced with no other choice but to hit and kill a man versus

a woman, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the woman.

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worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?
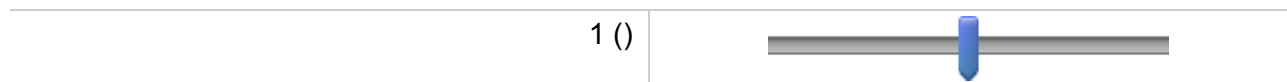
	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

---

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

AC_3_random_woman **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

AC_4_random_woman **Did the robocar kill a man, a woman, or neither?**

○ Man (1)

○ Woman (2)

○ Neither (3)

random_man **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

 Noah buys a robocar that has been programmed to have no preference between men and women. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the man.

random_man **You will now answer some questions about the scenario.**

 Noah buys a robocar that has been programmed to have no preference between men and women. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the man.

- -

blame_noah Noah is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
Blameworthiness ()	⬤	

- -

blame_robocar The robocar is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100
Blameworthiness ()	

- -

blame_robodrive The robocar manufacturer, called RoboDrive, is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100
Blameworthiness ()	

End of Block: Page 1: Blameworthiness Questions

Start of Block: Page 2: Moral Outrage Questions

random_man Noah buys a robocar that has been programmed to have no preference between men and women. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the man.
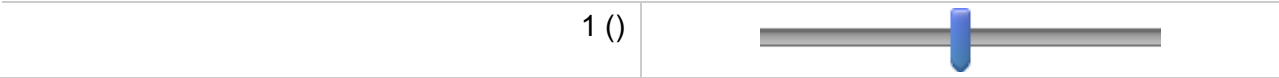
Please answer the following questions about the car manufacturer, called RoboDrive.

- -

anger_robodrive How much anger do you feel toward RoboDrive?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

punish_robodrive How much do you think RoboDrive deserves to be punished?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()	●	

moral_bad_robodrive How much do you think RoboDrive was morally bad?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()	●	

End of Block: Page 2: Moral Outrage Questions

Start of Block: Page 3: Collective Action Questions

random_man Noah buys a robocar that has been programmed to have no preference between men and women. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the man.

Please answer the following questions about the car manufacturer, called RoboDrive.

donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?
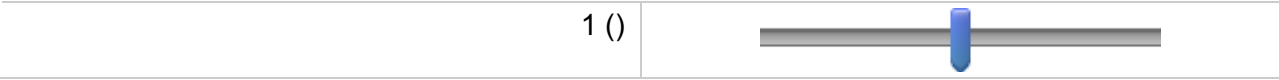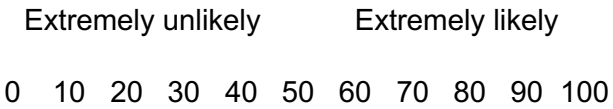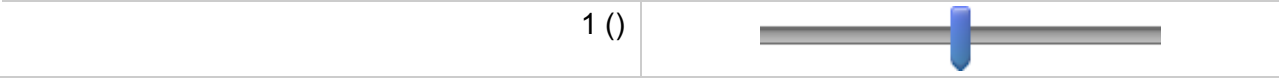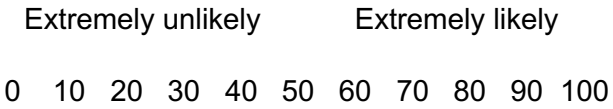
	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	

1 ()	———————▮———————

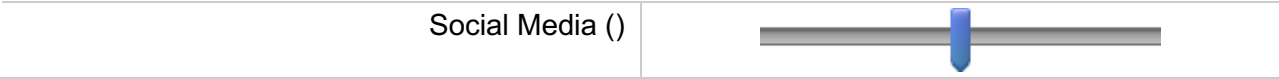
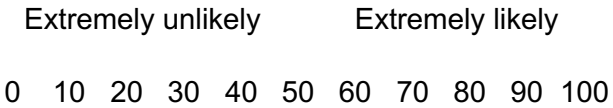volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	

1 ()	———————▮———————

---

protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	

1 ()	———————▮———————

---

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	

Social Media ()	———————▮———————

---

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

1 ()

---

nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

1 ()

End of Block: Page 3: Collective Action Questions

Start of Block: Page 4: Worry Questions

random_man Noah buys a robocar that has been programmed to have no preference between men and women. If it is ever faced with no other choice but to hit and kill a man versus a woman, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the man.

---

worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?

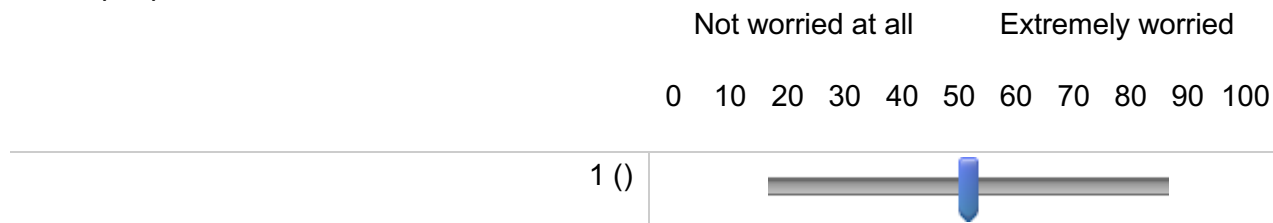Not worried at all   Extremely worried

0   10   20   30   40   50   60   70   80   90   100

1 ()

---

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

	Not worried at all Extremely worried
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

AC_3_random_man **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

- -

AC_4_random_man **Did the robocar kill a man, a woman, or neither?**

○ Man (1)

○ Woman (2)

○ Neither (3)

intentional_athlete **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

 Noah buys a robocar that has been programmed to favor large people over athletes. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will deliberately choose to kill the athlete and save the large person. One day, Noah's robocar is faced with this choice, and it deliberately kills the athlete.
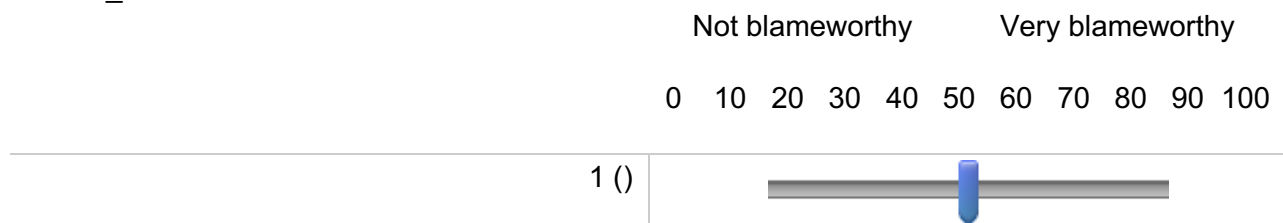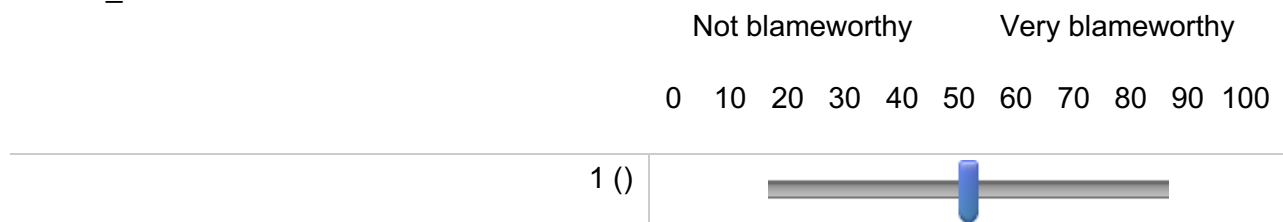
intentional_athlete **You will now answer some questions about the scenario.**

 Noah buys a robocar that has been programmed to favor large people over athletes. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will deliberately choose to kill the athlete and save the large person. One day, Noah's robocar is faced with this choice, and it deliberately kills the athlete.

- -

blame_noah Noah is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

- -

blame_robocar The robocar is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

- -

blame_robodrive The robocar manufacturer, called RoboDrive, is

Not blameworthy   Very blameworthy

0   10 20 30 40 50 60 70 80 90 100

1 ()	

intentional_athlete Noah buys a robocar that has been programmed to favor large people over athletes. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will deliberately choose to kill the athlete and save the large person. One day, Noah's robocar is faced with this choice, and it deliberately kills the athlete.

Please answer the following questions about the car manufacturer, called RoboDrive.

anger_robodrive How much anger do you feel toward RoboDrive?

None   A lot

0   10 20 30 40 50 60 70 80 90 100

1 ()	

punish_robodrive How much do you think RoboDrive deserves to be punished?

None   A lot

0   10 20 30 40 50 60 70 80 90 100

1 ()	

moral_bad_robodrive How much do you think RoboDrive was morally bad?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

intentional_athlete Noah buys a robocar that has been programmed to favor large people over athletes. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will deliberately choose to kill the athlete and save the large person. One day, Noah's robocar is faced with this choice, and it deliberately kills the athlete.

Please answer the following questions about the car manufacturer, called RoboDrive.

donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?
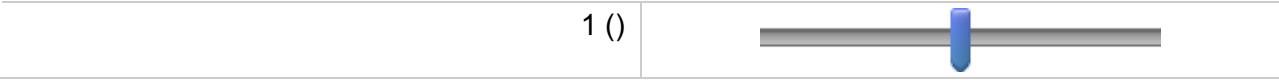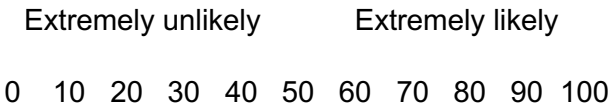
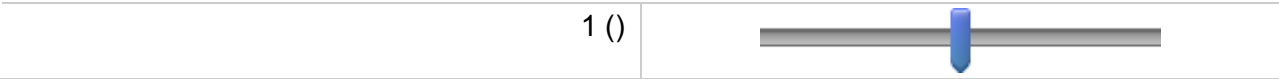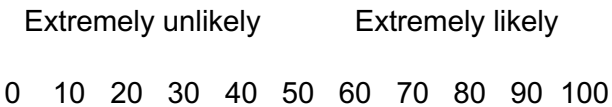Extremely unlikely   Extremely likely

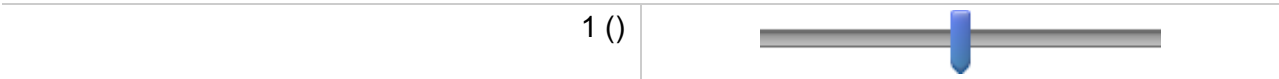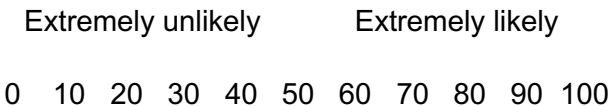0 10 20 30 40 50 60 70 80 90 100

1 ()	

---

protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?

Extremely unlikely   Extremely likely

0 10 20 30 40 50 60 70 80 90 100

1 ()	

---

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

Extremely unlikely   Extremely likely

0 10 20 30 40 50 60 70 80 90 100

1 ()	

---

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0 10 20 30 40 50 60 70 80 90 100

1 ()	

nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

intentional_athlete Noah buys a robocar that has been programmed to favor large people over athletes. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will deliberately choose to kill the athlete and save the large person. One day, Noah's robocar is faced with this choice, and it deliberately kills the athlete.

worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?

	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

AC_3_intent_athlete **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

- -

AC_4_intent_athlete **Did the robocar kill an athlete, a large person, or neither?**

○ Athlete (1)

○ Large person (2)

○ Neither (3)

intentional_obese **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

 Noah buys a robocar that has been programmed to favor athletes over large people. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will deliberately choose to kill the large person and save the athlete. One day, Noah's robocar is faced with this choice, and it deliberately kills the large person.
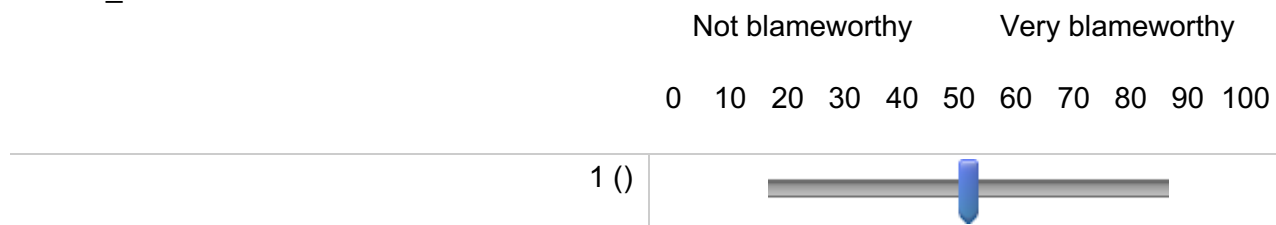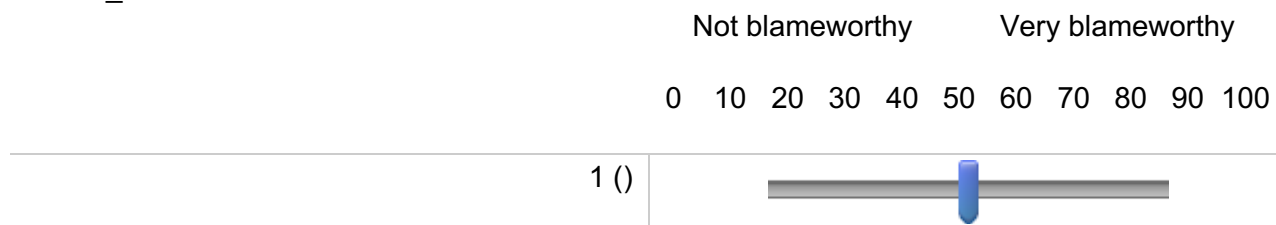
intentional_obese **You will now answer some questions about the scenario.**

Noah buys a robocar that has been programmed to favor athletes over large people. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will deliberately choose to kill the large person and save the athlete. One day, Noah's robocar is faced with this choice, and it deliberately kills the large person.
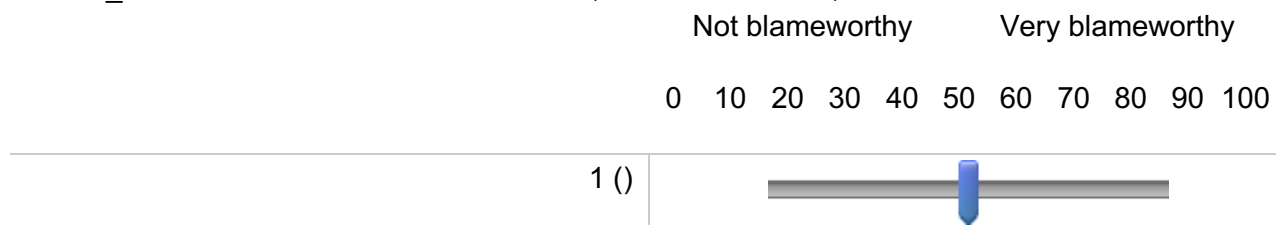
---

blame_noah Noah is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

---

blame_robocar The robocar is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

---

blame_robodrive The robocar manufacturer, called RoboDrive, is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

intentional_obese Noah buys a robocar that has been programmed to favor athletes over large people. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will deliberately choose to kill the large person and save the athlete. One day, Noah's robocar is faced with this choice, and it deliberately kills the large person.

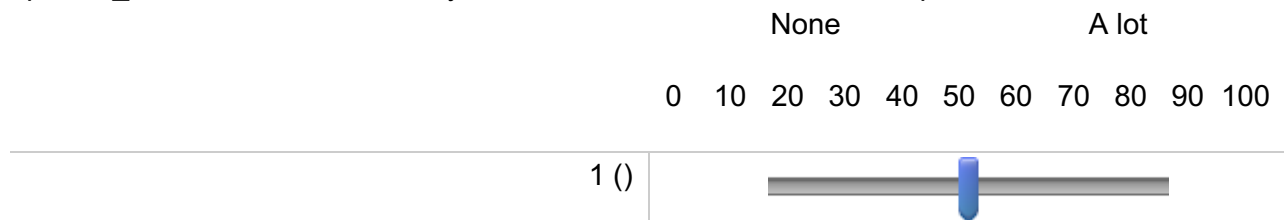**Please answer the following questions about the car manufacturer, called RoboDrive.**
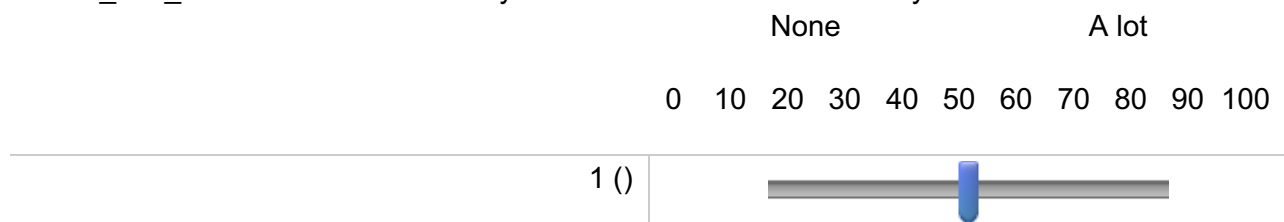
- -

anger_robodrive How much anger do you feel toward RoboDrive?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

- -

punish_robodrive How much do you think RoboDrive deserves to be punished?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

- -

moral_bad_robodrive How much do you think RoboDrive was morally bad?

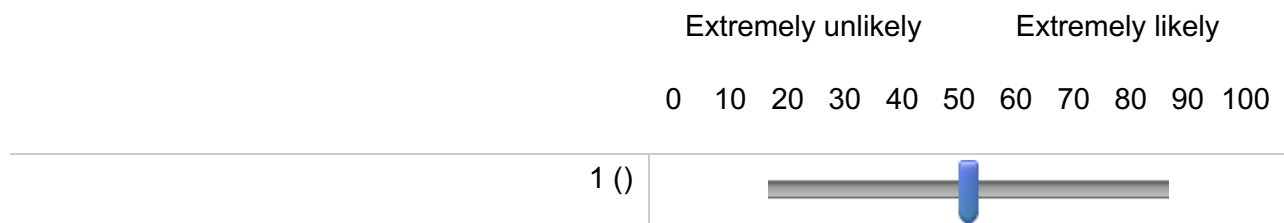|	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

End of Block: Page 2: Moral Outrage Questions

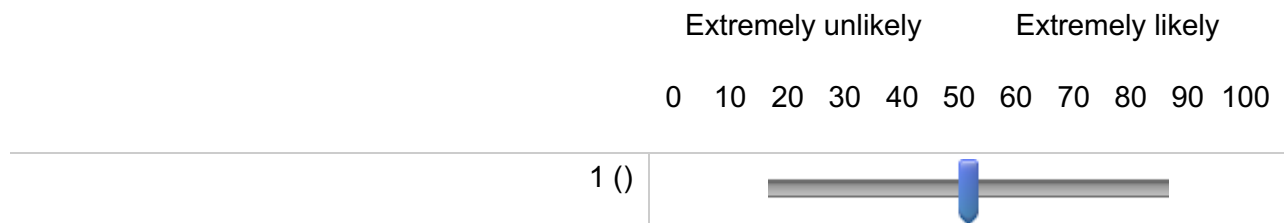Start of Block: Page 3: Collective Action Questions

intentional_obese Noah buys a robocar that has been programmed to favor athletes over large people. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will deliberately choose to kill the large person and save the athlete. One day, Noah's robocar is faced with this choice, and it deliberately kills the large person.

Please answer the following questions about the car manufacturer, called RoboDrive.

---

donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?
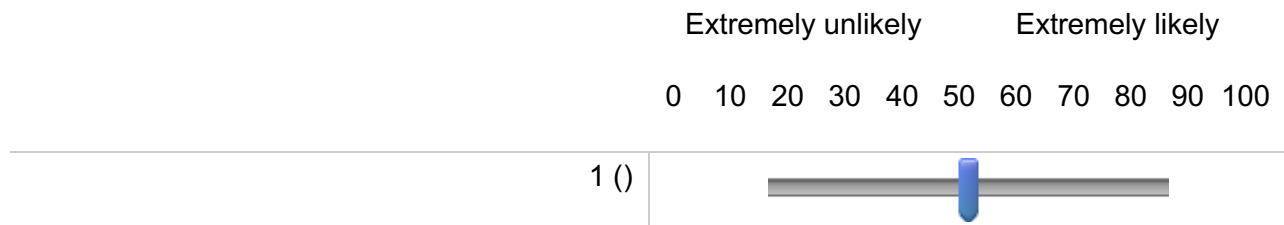
	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

---

volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?

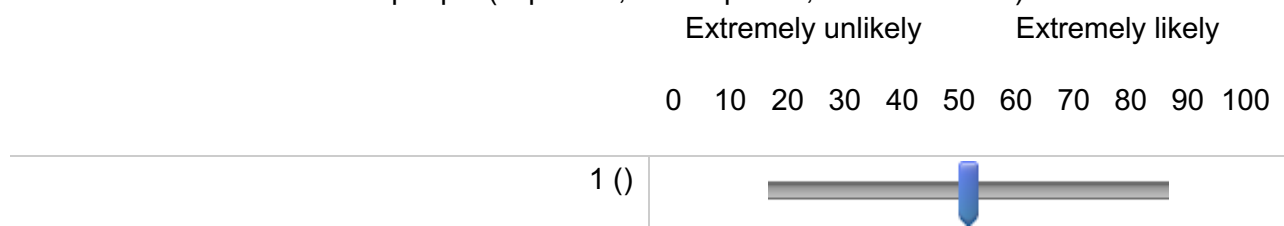|	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

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protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?
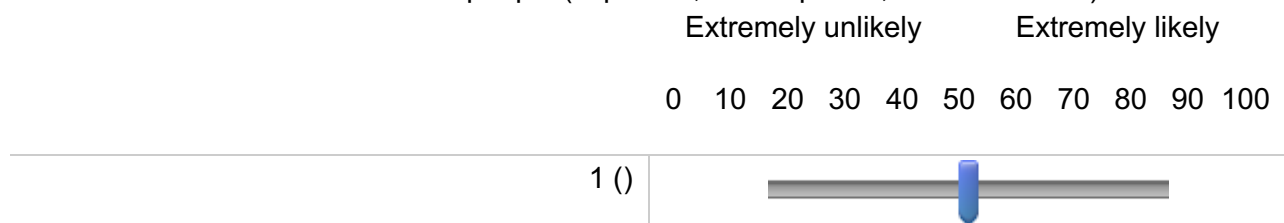
	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

	Extremely unlikely Extremely likely
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

	Extremely unlikely Extremely likely
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

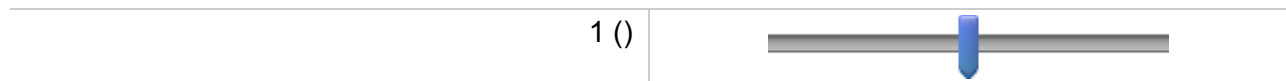|	Extremely unlikely Extremely likely
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

intentional_obese Noah buys a robocar that has been programmed to favor athletes over large people. If it is ever faced with no other choice but to hit and kill a large person versus an athlete,

it will deliberately choose to kill the large person and save the athlete. One day, Noah's robocar is faced with this choice, and it deliberately kills the large person.

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worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?
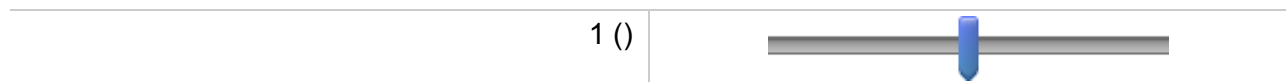
	Not worried at all						Extremely worried				
	0	10	20	30	40	50	60	70	80	90	100
1 ()											

---

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

	Not worried at all						Extremely worried				
	0	10	20	30	40	50	60	70	80	90	100
1 ()											

AC_3_intent_obese **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

AC_4_intent_obese **Did the robocar kill an athlete, a large person, or neither?**

○ Athlete (1)

○ Large person (2)

○ Neither (3)

random_athlete **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

 Noah buys a robocar that has been programmed to have no preference between large people and athletes. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the athlete.

random_athlete **You will now answer some questions about the scenario.**

 Noah buys a robocar that has been programmed to have no preference between large people and athletes. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the athlete.

blame_noah Noah is

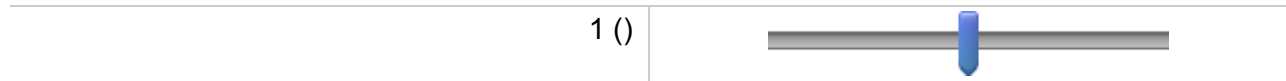|	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

blame_robocar The robocar is

Not blameworthy   Very blameworthy

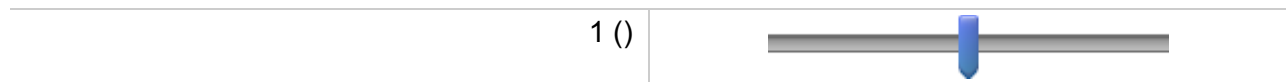0   10   20   30   40   50   60   70   80   90   100

1 ()

---

blame_robodrive The robocar manufacturer, called RoboDrive, is

Not blameworthy   Very blameworthy

0   10   20   30   40   50   60   70   80   90   100

1 ()

End of Block: Page 1: Blameworthiness Questions
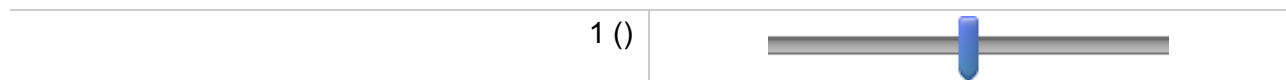
Start of Block: Page 2: Moral Outrage Questions

random_athlete Noah buys a robocar that has been programmed to have no preference between large people and athletes. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the athlete.

Please answer the following questions about the car manufacturer, called RoboDrive.

---

anger_robodrive How much anger do you feel toward RoboDrive?

None   A lot

0   10   20   30   40   50   60   70   80   90   100

1 ()

punish_robodrive How much do you think RoboDrive deserves to be punished?

	None									A lot	
	0	10	20	30	40	50	60	70	80	90	100
1 ()											

moral_bad_robodrive How much do you think RoboDrive was morally bad?

	None									A lot	
	0	10	20	30	40	50	60	70	80	90	100
1 ()											

End of Block: Page 2: Moral Outrage Questions

Start of Block: Page 3: Collective Action Questions

random_athlete Noah buys a robocar that has been programmed to have no preference between large people and athletes. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the athlete.
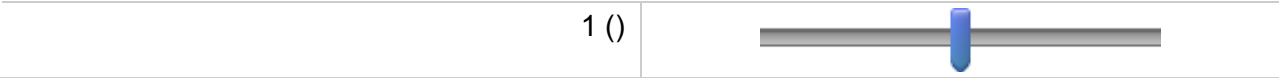
Please answer the following questions about the car manufacturer, called RoboDrive.

donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?
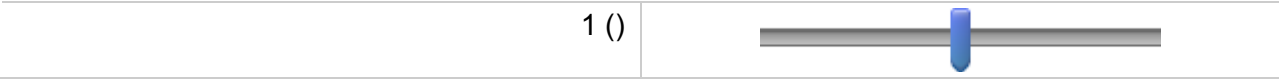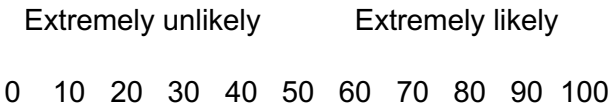
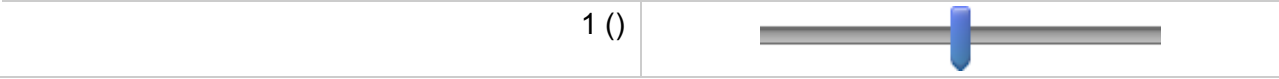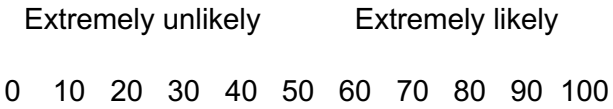|	Extremely unlikely						Extremely likely				
	0	10	20	30	40	50	60	70	80	90	100

1 ()	

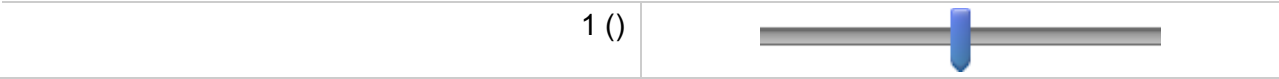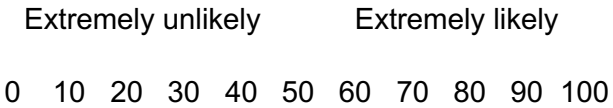
volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?

Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

1 ()	

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protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?

Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

1 ()	

---

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

1 ()	

---

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

1 ()

---

nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

1 ()

End of Block: Page 3: Collective Action Questions

Start of Block: Page 4: Worry Questions

random_athlete Noah buys a robocar that has been programmed to have no preference between large people and athletes. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the athlete.

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worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?

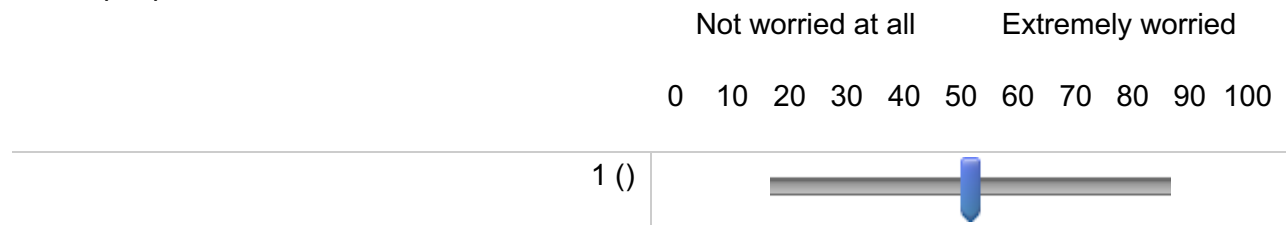Not worried at all   Extremely worried

0   10   20   30   40   50   60   70   80   90   100

1 ()

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worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	
1 ()	━━━━━━━━▐━━━━━━━	

AC_3_random_athlete **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

- -

AC_4_random_athlete **Did the robocar kill an athlete, a large person, or neither?**

○ Athlete (1)

○ Large person (2)

○ Neither (3)

random_obese **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

Noah buys a robocar that has been programmed to have no preference between large people and athletes. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the large person.
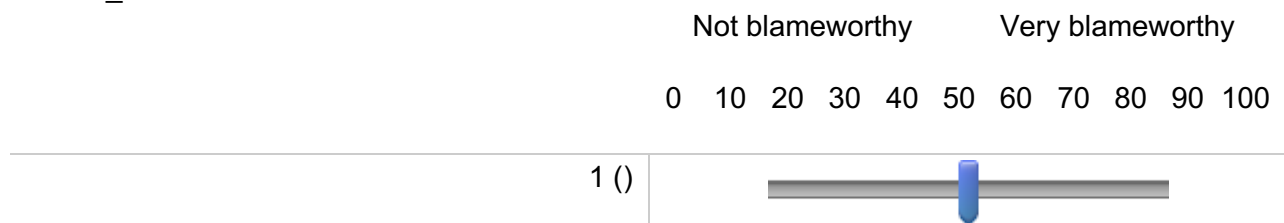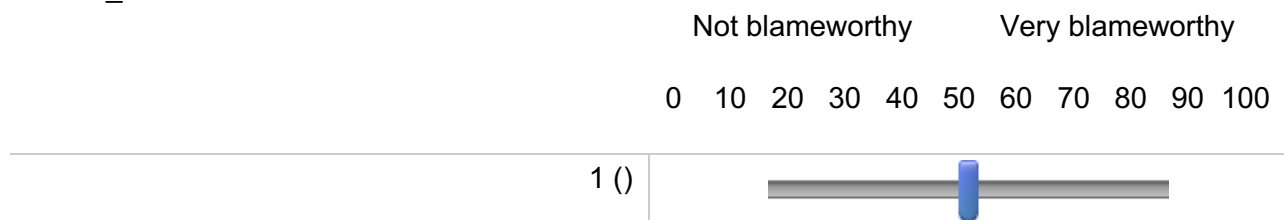
random_obese **You will now answer some questions about the scenario.**

Noah buys a robocar that has been programmed to have no preference between large people and athletes. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the large person.

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blame_noah Noah is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

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blame_robocar The robocar is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

---

blame_robodrive The robocar manufacturer, called RoboDrive, is

<div align="center">Not blameworthy   Very blameworthy</div>

<div align="center">0 10 20 30 40 50 60 70 80 90 100</div>

1 ()	

random_obese Noah buys a robocar that has been programmed to have no preference between large people and athletes. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the large person.

Please answer the following questions about the car manufacturer, called RoboDrive.

anger_robodrive How much anger do you feel toward RoboDrive?

<div align="center">None   A lot</div>

<div align="center">0 10 20 30 40 50 60 70 80 90 100</div>

1 ()	

punish_robodrive How much do you think RoboDrive deserves to be punished?

<div align="center">None   A lot</div>

<div align="center">0 10 20 30 40 50 60 70 80 90 100</div>

1 ()	

moral_bad_robodrive How much do you think RoboDrive was morally bad?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

random_obese Noah buys a robocar that has been programmed to have no preference between large people and athletes. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the large person.

Please answer the following questions about the car manufacturer, called RoboDrive.

donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?

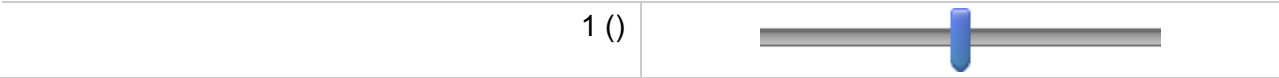|	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?
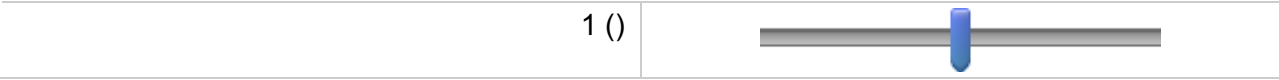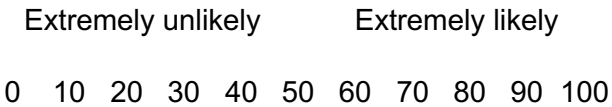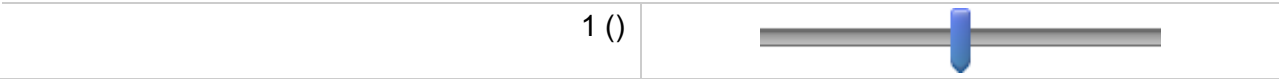
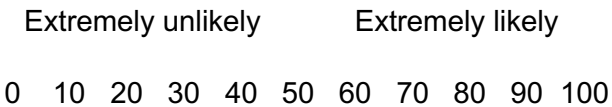Extremely unlikely   Extremely likely

0 10 20 30 40 50 60 70 80 90 100
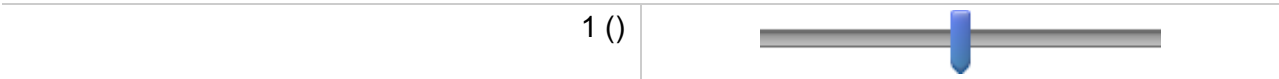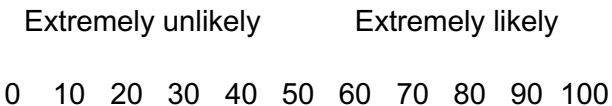
1 ()	———————▮———————

protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?

Extremely unlikely   Extremely likely

0 10 20 30 40 50 60 70 80 90 100

1 ()	———————▮———————

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

Extremely unlikely   Extremely likely

0 10 20 30 40 50 60 70 80 90 100

1 ()	———————▮———————

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0 10 20 30 40 50 60 70 80 90 100

1 ()	———————▮———————

nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

random_obese Noah buys a robocar that has been programmed to have no preference between large people and athletes. If it is ever faced with no other choice but to hit and kill a large person versus an athlete, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the large person.

worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?

	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

AC_3_random_obese **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

- -

AC_4_random_obese **Did the robocar kill an athlete, a large person, or neither?**

○ Athlete (1)

○ Large person (2)

○ Neither (3)

intentional_executiv **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

Noah buys a robocar that has been programmed to favor homeless people over executives/doctors. If it is ever faced with no other choice but to hit and kill a homeless person versus an executive/doctor, it will deliberately choose to kill the executive/doctor and save the homeless person. One day, Noah's robocar is faced with this choice, and it deliberately kills the executive/doctor.
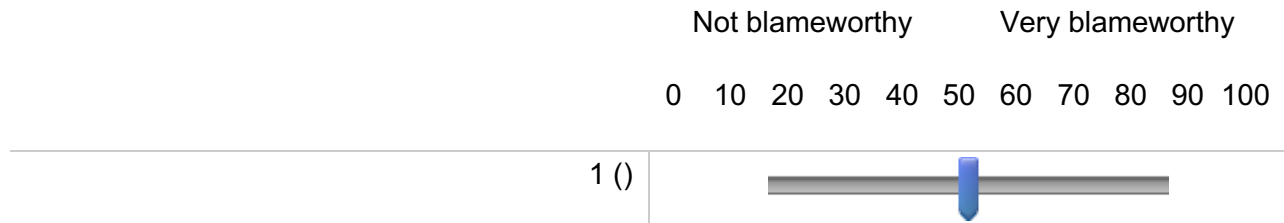
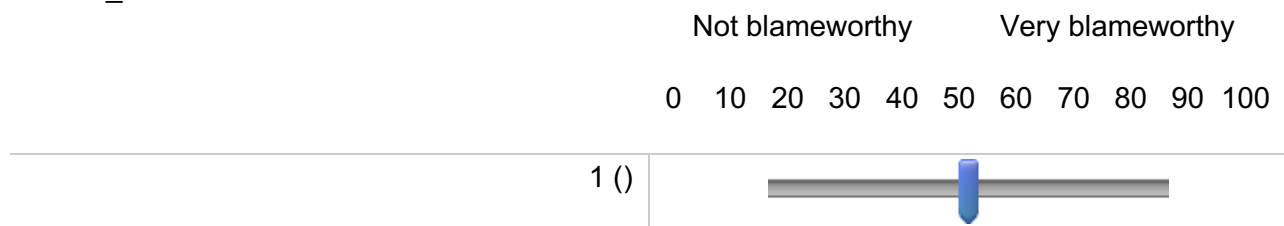intentional_executiv **You will now answer some questions about the scenario.**

Noah buys a robocar that has been programmed to favor homeless people over executives/doctors. If it is ever faced with no other choice but to hit and kill a homeless person versus an executive/doctor, it will deliberately choose to kill the executive/doctor and save the

homeless person. One day, Noah's robocar is faced with this choice, and it deliberately kills the executive/doctor.

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blame_noah Noah is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

---

blame_robocar The robocar is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

---

blame_robodrive The robocar manufacturer, called RoboDrive, is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

intentional_executiv Noah buys a robocar that has been programmed to favor homeless people over executives/doctors. If it is ever faced with no other choice but to hit and kill a homeless person versus an executive/doctor, it will deliberately choose to kill the executive/doctor and save the homeless person. One day, Noah's robocar is faced with this choice, and it deliberately

kills the executive/doctor.

Please answer the following questions about the car manufacturer, called RoboDrive.

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anger_robodrive How much anger do you feel toward RoboDrive?

| | None | A lot |
| | 0 10 20 30 40 50 60 70 80 90 100 |

| 1 () | ———————————————●——————————————— |

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punish_robodrive How much do you think RoboDrive deserves to be punished?

| | None | A lot |
| | 0 10 20 30 40 50 60 70 80 90 100 |

| 1 () | ———————————————●——————————————— |

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moral_bad_robodrive How much do you think RoboDrive was morally bad?

| | None | A lot |
| | 0 10 20 30 40 50 60 70 80 90 100 |

| 1 () | ———————————————●——————————————— |

intentional_executiv Noah buys a robocar that has been programmed to favor homeless people over executives/doctors. If it is ever faced with no other choice but to hit and kill a homeless
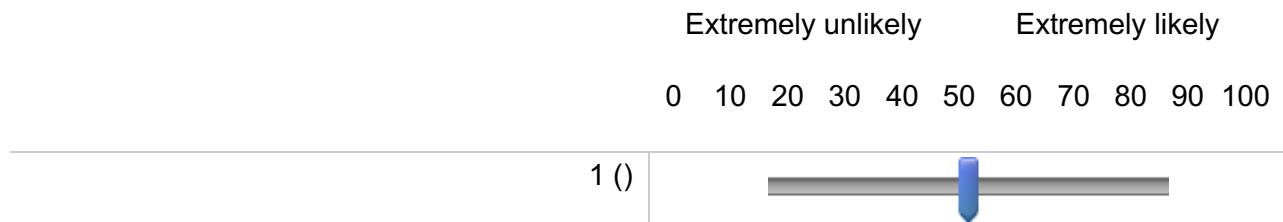
person versus an executive/doctor, it will deliberately choose to kill the executive/doctor and save the homeless person. One day, Noah's robocar is faced with this choice, and it deliberately kills the executive/doctor.

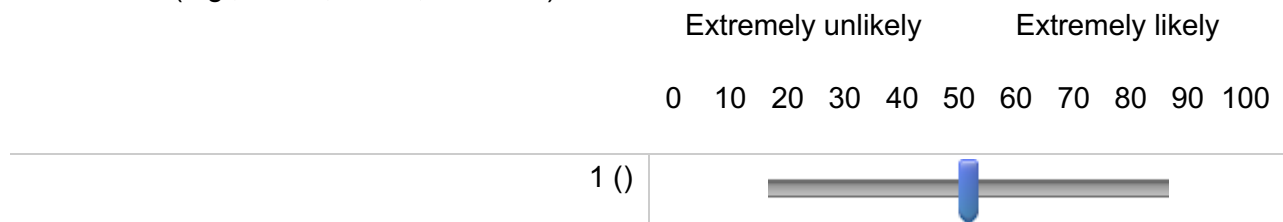**Please answer the following questions about the car manufacturer, called RoboDrive.**

---

donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?
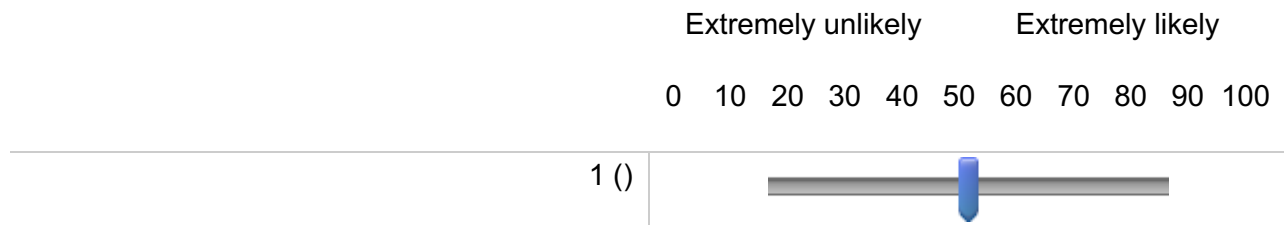
	Extremely unlikely Extremely likely
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

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volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?

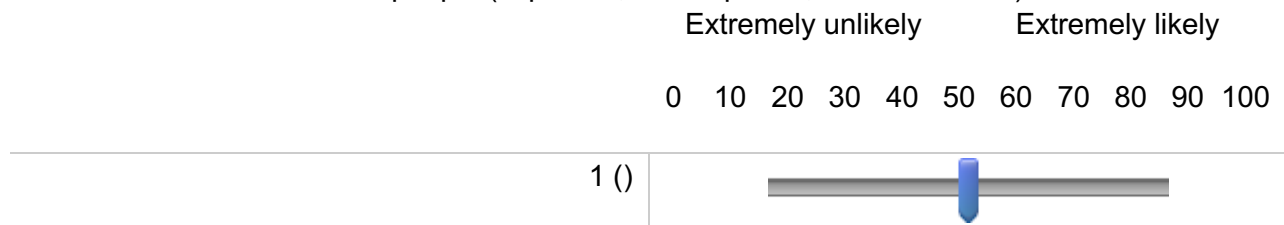| | Extremely unlikely   Extremely likely |
| | 0 10 20 30 40 50 60 70 80 90 100 |
| 1 () | |

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protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?
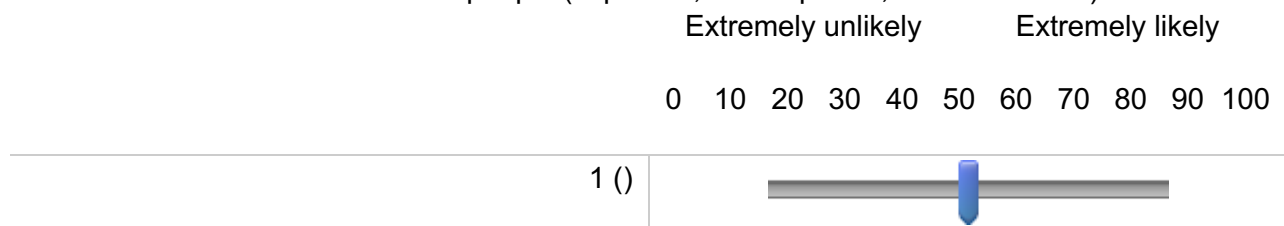
	Extremely unlikely Extremely likely
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

---

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

| | Extremely unlikely   Extremely likely |
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

| | Extremely unlikely   Extremely likely |
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

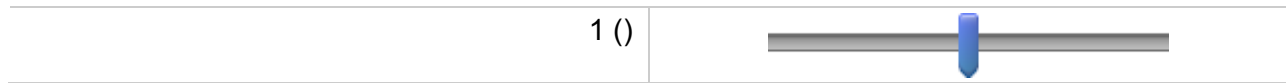| | Extremely unlikely   Extremely likely |
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

End of Block: Page 3: Collective Action Questions

Start of Block: Page 4: Worry Questions

intentional_executiv Noah buys a robocar that has been programmed to favor homeless people over executives/doctors. If it is ever faced with no other choice but to hit and kill a homeless person versus an executive/doctor, it will deliberately choose to kill the executive/doctor and save the homeless person. One day, Noah's robocar is faced with this choice, and it deliberately kills the executive/doctor.

worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?
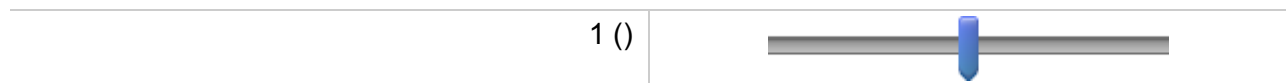
Not worried at all   Extremely worried

0   10   20   30   40   50   60   70   80   90   100

1 ()

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

Not worried at all   Extremely worried

0   10   20   30   40   50   60   70   80   90   100

1 ()

AC_3_intent_exec **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

AC_4_intent_exec **Did the robocar kill an executive/doctor, a homeless person, or neither?**

○ Executive/Doctor (1)

○ Homeless person (2)

○ Neither (3)

intentional_homeless **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

 Noah buys a robocar that has been programmed to favor executives/doctors over homeless people. If it is ever faced with no other choice but to hit and kill a homeless person versus an executive/doctor, it will deliberately choose to kill the homeless person and save the executive/doctor. One day, Noah's robocar is faced with this choice, and it deliberately kills the homeless person.

intentional_homeless **You will now answer some questions about the scenario.**

Noah buys a robocar that has been programmed to favor executives/doctors over homeless people. If it is ever faced with no other choice but to hit and kill a homeless person versus an executive/doctor, it will deliberately choose to kill the homeless person and save the executive/doctor. One day, Noah's robocar is faced with this choice, and it deliberately kills the homeless person.
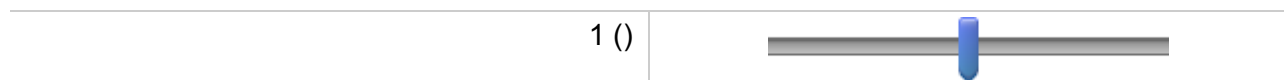
- -

blame_noah Noah is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50	60 70 80 90 100

1 ()	━━━━━━━━━━╪━━━━━━━━━━

- -

blame_robocar The robocar is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	

1 ()	━━━━━━━━━━╪━━━━━━━━━━

- -

blame_robodrive The robocar manufacturer, called RoboDrive, is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	

1 ()	━━━━━━━━━━╪━━━━━━━━━━

intentional_homeless Noah buys a robocar that has been programmed to favor executives/doctors over homeless people. If it is ever faced with no other choice but to hit and kill a homeless person versus an executive/doctor, it will deliberately choose to kill the homeless person and save the executive/doctor. One day, Noah's robocar is faced with this choice, and it deliberately kills the homeless person.

Please answer the following questions about the car manufacturer, called RoboDrive.

- -

anger_robodrive How much anger do you feel toward RoboDrive?

	None						A lot			
	0	10	20	30	40	50	60	70	80	90	100
1 ()											

punish_robodrive How much do you think RoboDrive deserves to be punished?

	None						A lot			
	0	10	20	30	40	50	60	70	80	90	100
1 ()											

moral_bad_robodrive How much do you think RoboDrive was morally bad?

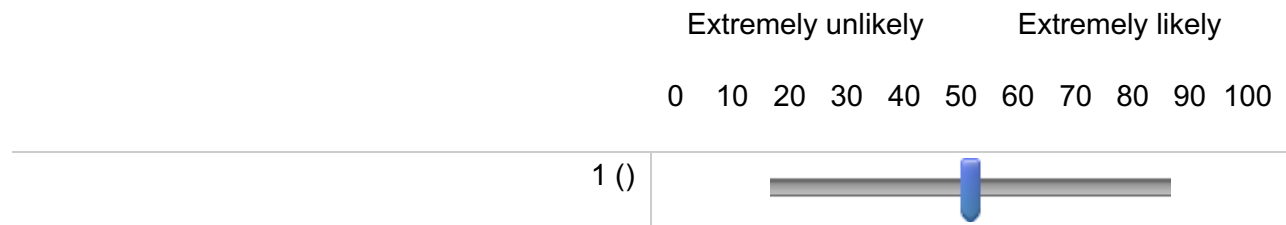|	None						A lot			
	0	10	20	30	40	50	60	70	80	90	100
1 ()											

End of Block: Page 2: Moral Outrage Questions
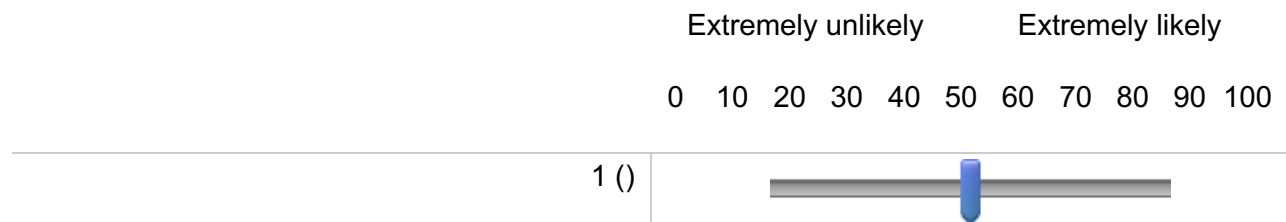
Start of Block: Page 3: Collective Action Questions

intentional_homeless Noah buys a robocar that has been programmed to favor executives/doctors over homeless people. If it is ever faced with no other choice but to hit and kill a homeless person versus an executive/doctor, it will deliberately choose to kill the homeless person and save the executive/doctor. One day, Noah's robocar is faced with this choice, and it deliberately kills the homeless person.

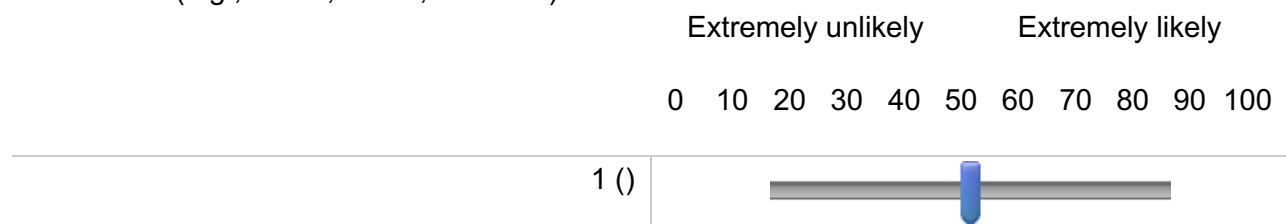**Please answer the following questions about the car manufacturer, called RoboDrive.**

donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?
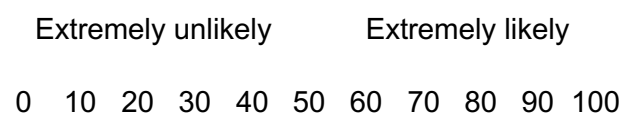
Extremely unlikely　　　Extremely likely

0　10　20　30　40　50　60　70　80　90　100

1 ()	

volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?

Extremely unlikely　　　Extremely likely

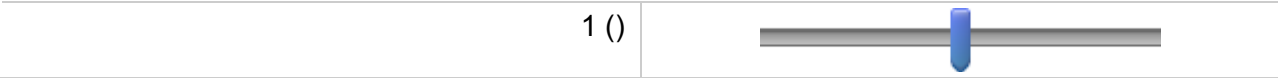0　10　20　30　40　50　60　70　80　90　100

1 ()	

protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?

Extremely unlikely　　　Extremely likely

0　10　20　30　40　50　60　70　80　90　100

1 ()	

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

Extremely unlikely　　　Extremely likely

0　10　20　30　40　50　60　70　80　90　100

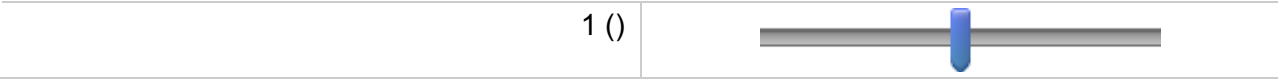| 1 ()	———————————•———————————

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likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?
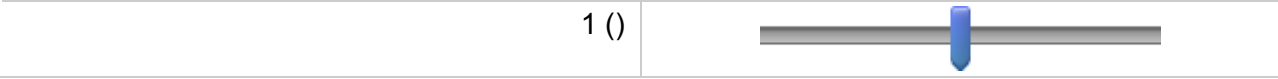
Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

1 ()	———————————•———————————

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nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

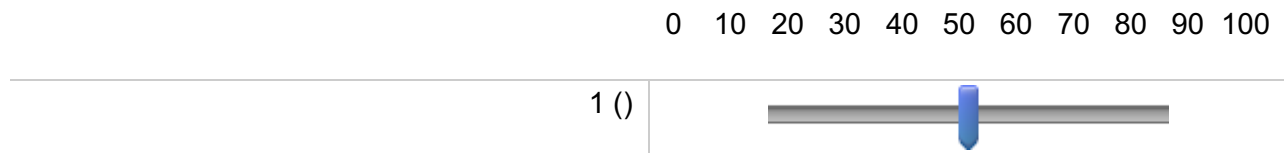| 1 ()	———————————•———————————

End of Block: Page 3: Collective Action Questions

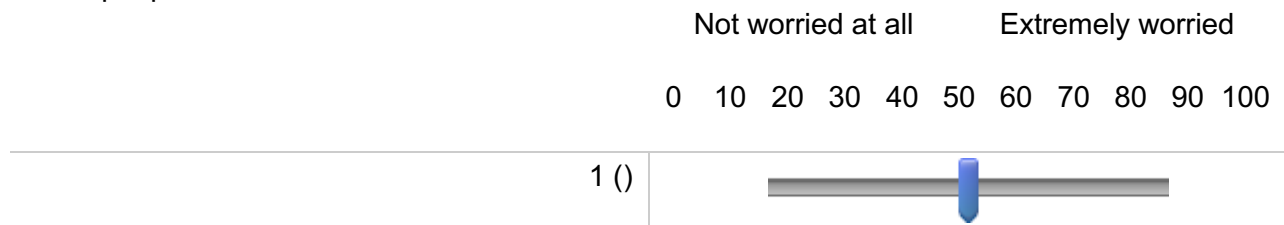Start of Block: Page 4: Worry Questions

intentional_homeless Noah buys a robocar that has been programmed to favor executives/doctors over homeless people. If it is ever faced with no other choice but to hit and kill a homeless person versus an executive/doctor, it will deliberately choose to kill the homeless person and save the executive/doctor. One day, Noah's robocar is faced with this choice, and it deliberately kills the homeless person.

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worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?

Not worried at all   Extremely worried

```
                              0   10  20  30  40  50  60  70  80  90  100

1 ()
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worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

```
                        Not worried at all         Extremely worried

                              0   10  20  30  40  50  60  70  80  90  100

1 ()
```

AC_3_intent_homeless **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

AC_4_intent_homeless **Did the robocar kill an executive/doctor, a homeless person, or neither?**

○ Executive/Doctor (1)

○ Homeless person (2)

○ Neither (3)

random_executive **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

Noah buys a robocar that has been programmed to have no preference between executives/doctors and homeless people. If it is ever faced with no other choice but to hit and kill an executive/doctor versus a homeless person, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the executive/doctor.
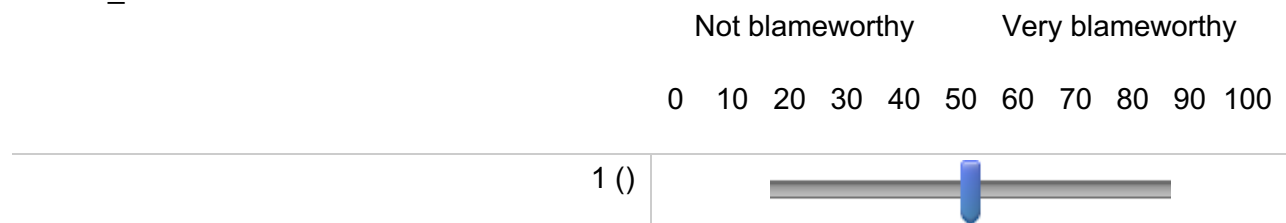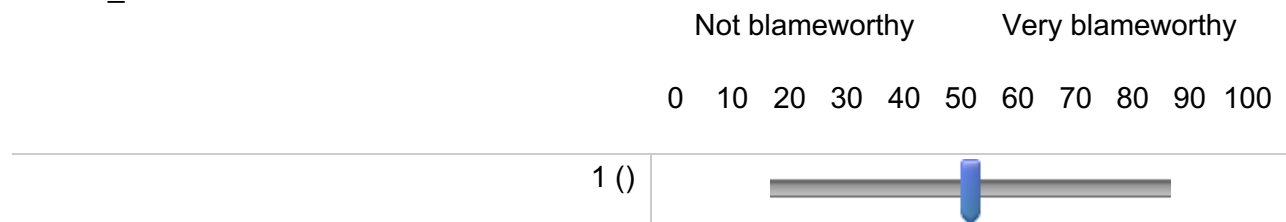
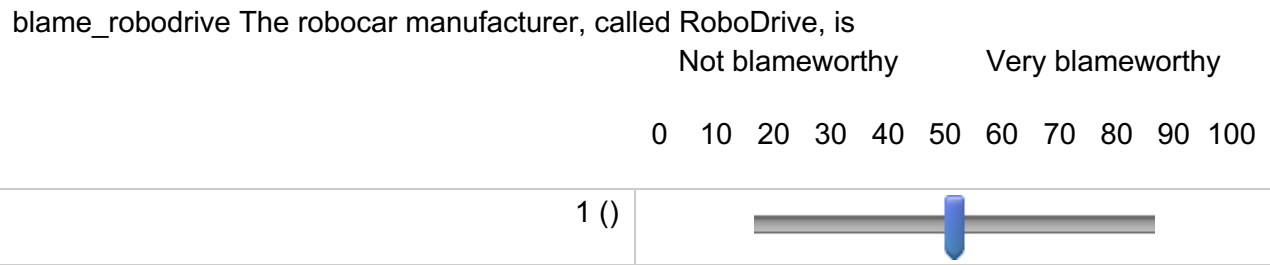random_executive **You will now answer some questions about the scenario.**

Noah buys a robocar that has been programmed to have no preference between executives/doctors and homeless people. If it is ever faced with no other choice but to hit and kill an executive/doctor versus a homeless person, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the executive/doctor.

- -

blame_noah Noah is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

- -

blame_robocar The robocar is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

blame_robodrive The robocar manufacturer, called RoboDrive, is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()	[slider at 50]	

random_executive Noah buys a robocar that has been programmed to have no preference between executives/doctors and homeless people. If it is ever faced with no other choice but to hit and kill an executive/doctor versus a homeless person, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the executive/doctor.

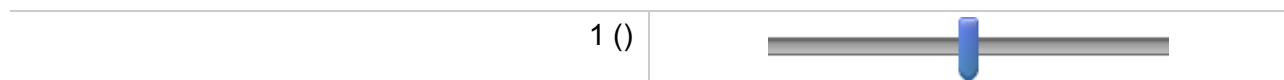**Please answer the following questions about the car manufacturer, called RoboDrive.**

anger_robodrive How much anger do you feel toward RoboDrive?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()	[slider at 50]	

punish_robodrive How much do you think RoboDrive deserves to be punished?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	

| 1 () | [slider] |

---

moral_bad_robodrive How much do you think RoboDrive was morally bad?

| | None | A lot |
| | 0 10 20 30 40 50 60 70 80 90 100 |

| 1 () | [slider] |

random_executive Noah buys a robocar that has been programmed to have no preference between executives/doctors and homeless people. If it is ever faced with no other choice but to hit and kill an executive/doctor versus a homeless person, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the executive/doctor.
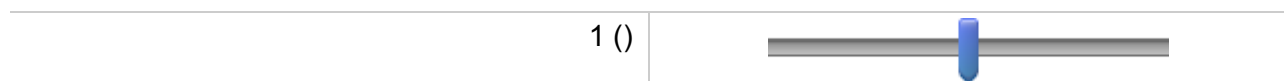
Please answer the following questions about the car manufacturer, called RoboDrive.

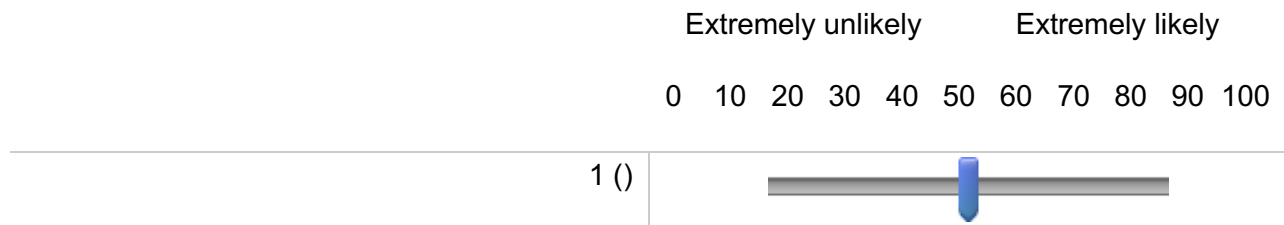donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?
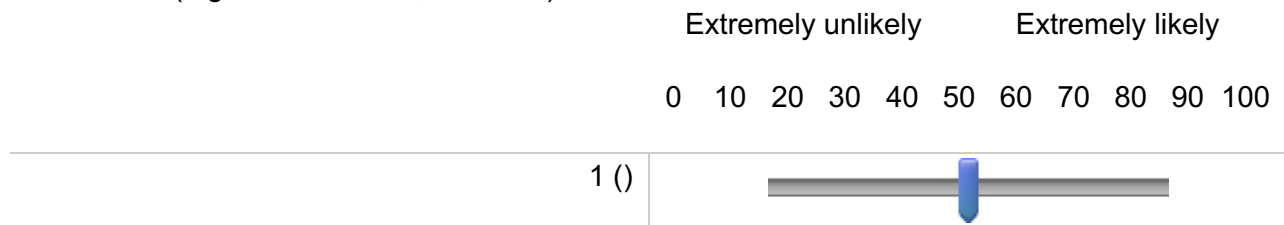
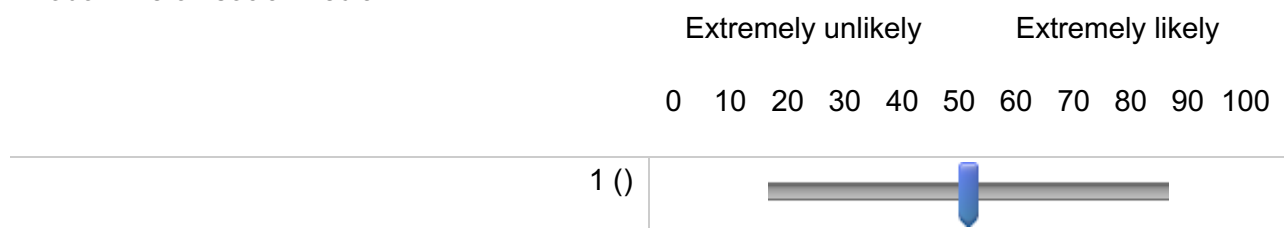| | Extremely unlikely | Extremely likely |
| | 0 10 20 30 40 50 60 70 80 90 100 |

| 1 () | [slider] |

volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?

Extremely unlikely   Extremely likely
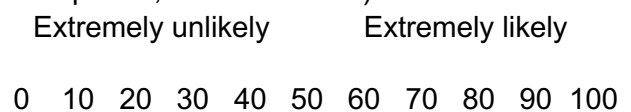
0   10   20   30   40   50   60   70   80   90   100

1 ()

protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

1 ()

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

1 ()

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100
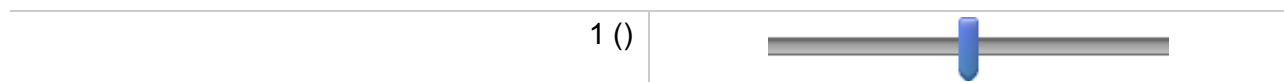
	1 ()	

---

nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

	1 ()	

random_executive Noah buys a robocar that has been programmed to have no preference between executives/doctors and homeless people. If it is ever faced with no other choice but to hit and kill an executive/doctor versus a homeless person, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the executive/doctor.

---

worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?

Not worried at all   Extremely worried

0   10   20   30   40   50   60   70   80   90   100

	1 ()	

---

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

Not worried at all   Extremely worried

	0 10 20 30 40 50 60 70 80 90 100
1 ()	——————————————▮———————————

AC_3_random_exec **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

- -

AC_4_random_exec **Did the robocar kill an executive/doctor, a homeless person, or neither?**

○ Executive/Doctor (1)

○ Homeless person (2)

○ Neither (3)

random_homeless **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

 Noah buys a robocar that has been programmed to have no preference between executives/doctors and homeless people. If it is ever faced with no other choice but to hit and kill an executive/doctor versus a homeless person, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the homeless person.
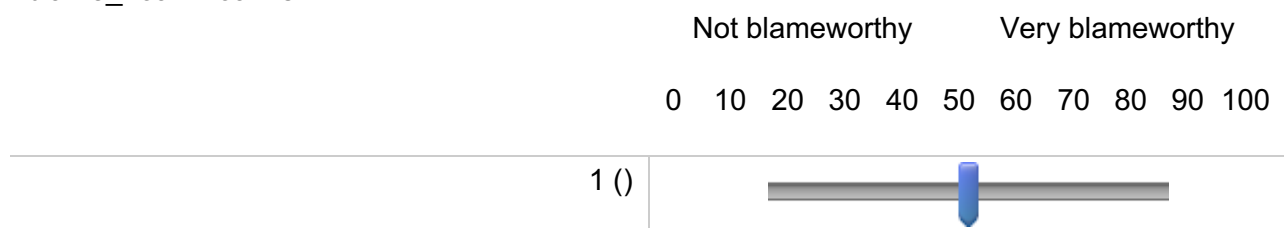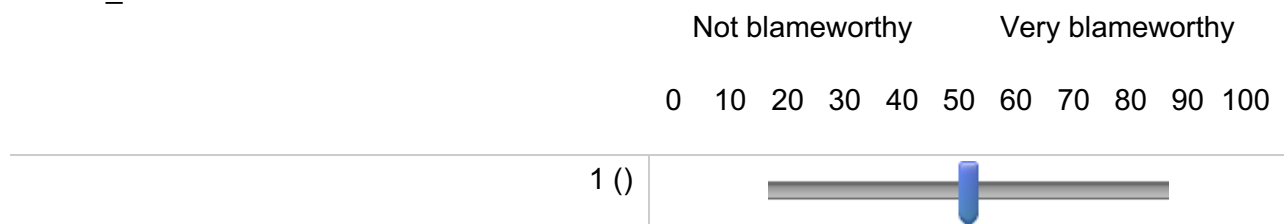
random_homeless **You will now answer some questions about the scenario.**

Noah buys a robocar that has been programmed to have no preference between executives/doctors and homeless people. If it is ever faced with no other choice but to hit and kill an executive/doctor versus a homeless person, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the homeless person.
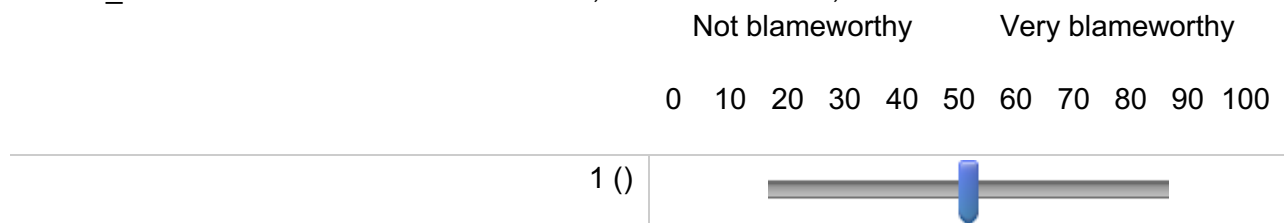
---

blame_noah Noah is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

---

blame_robocar The robocar is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

---

blame_robodrive The robocar manufacturer, called RoboDrive, is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

random_homeless Noah buys a robocar that has been programmed to have no preference between executives/doctors and homeless people. If it is ever faced with no other choice but to hit and kill an executive/doctor versus a homeless person, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the homeless person.

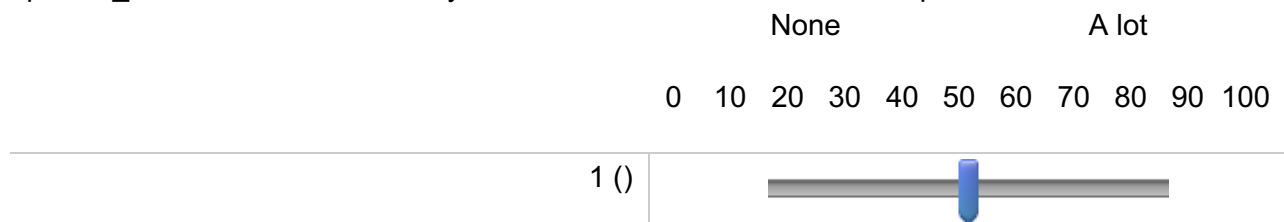**Please answer the following questions about the car manufacturer, called RoboDrive.**

anger_robodrive How much anger do you feel toward RoboDrive?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

punish_robodrive How much do you think RoboDrive deserves to be punished?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

moral_bad_robodrive How much do you think RoboDrive was morally bad?

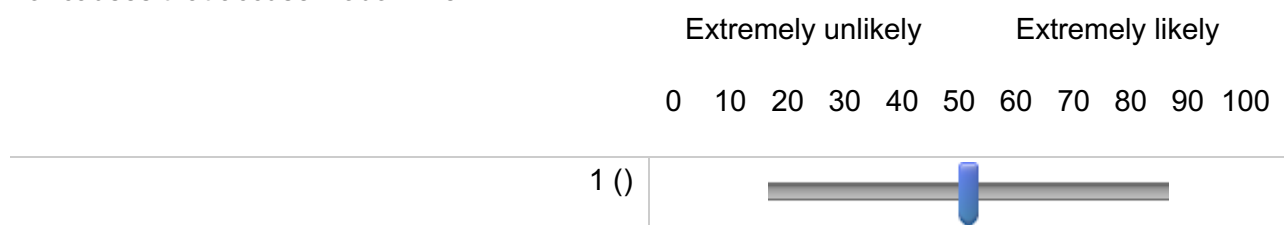|	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

random_homeless Noah buys a robocar that has been programmed to have no preference between executives/doctors and homeless people. If it is ever faced with no other choice but to hit and kill an executive/doctor versus a homeless person, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the homeless person.

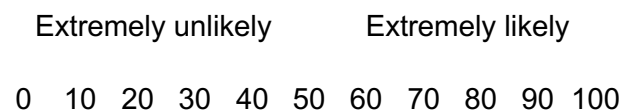**Please answer the following questions about the car manufacturer, called RoboDrive.**

donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?
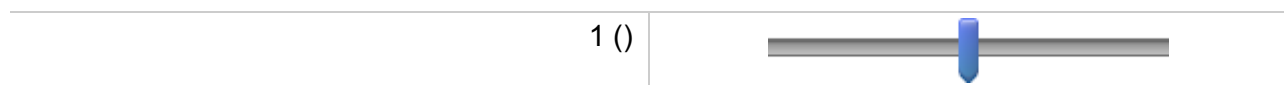
	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?

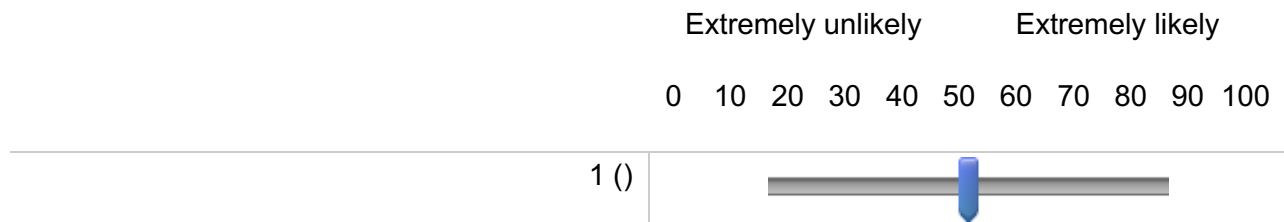|	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?

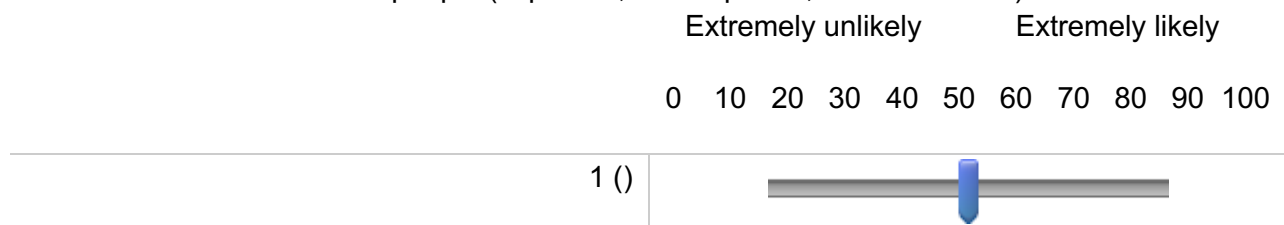|	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	

1 ()	

---

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

1 ()	

---

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

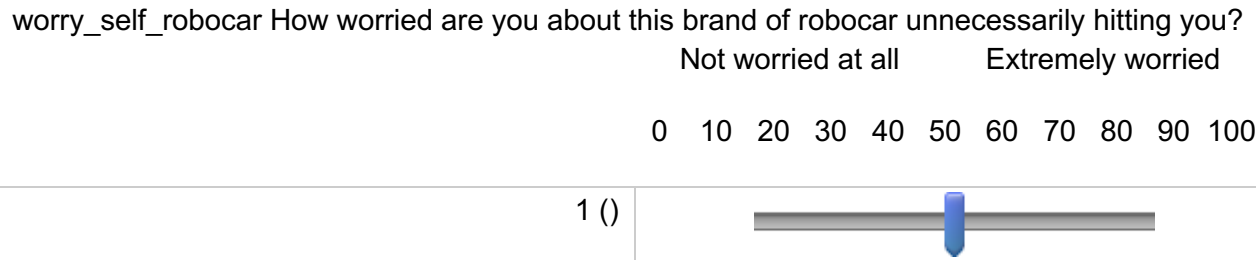|	
1 ()	

---

nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

1 ()	

End of Block: Page 3: Collective Action Questions

Start of Block: Page 4: Worry Questions

random_homeless Noah buys a robocar that has been programmed to have no preference between executives/doctors and homeless people. If it is ever faced with no other choice but to hit and kill an executive/doctor versus a homeless person, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the homeless person.

---

worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?

	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

---

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

AC_3_random_homeless **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

AC_4_random_homeless **Did the robocar kill an executive/doctor, a homeless person, or neither?**

○ Executive/Doctor (1)

○ Homeless person (2)

○ Neither (3)

intentional_lawful **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

 Noah buys a robocar that has been programmed to favor law-breaking people over law-abiding people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will deliberately choose to kill the law-abiding person and save the law-breaking person. One day, Noah's robocar is faced with this choice, and it deliberately kills the law-abiding person.

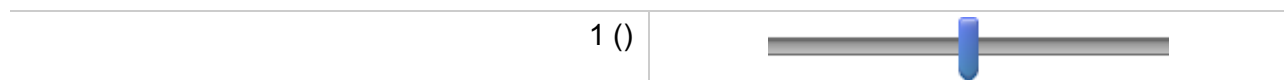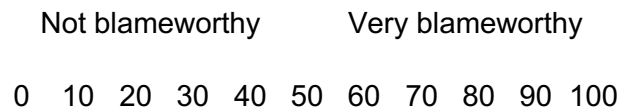intentional_lawful **You will now answer some questions about the scenario.**

 Noah buys a robocar that has been programmed to favor law-breaking people over law-abiding people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will deliberately choose to kill the law-abiding person and save the law-breaking person. One day, Noah's robocar is faced with this choice, and it deliberately kills the law-abiding person.

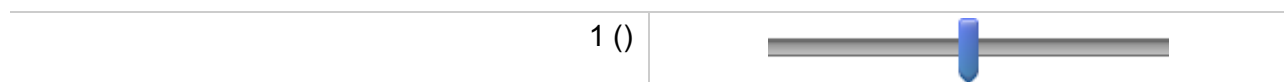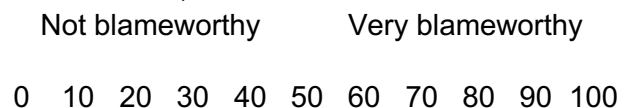- -

blame_noah Noah is

	Not blameworthy					Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100					

1 ()	[slider at ~50]

- -

blame_robocar The robocar is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100

| 1 () | [slider at ~50] |

- -

blame_robodrive The robocar manufacturer, called RoboDrive, is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100

| 1 () | [slider at ~50] |

intentional_lawful Noah buys a robocar that has been programmed to favor law-breaking people over law-abiding people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will deliberately choose to kill the law-abiding person and save the law-breaking person. One day, Noah's robocar is faced with this choice, and it deliberately kills the law-abiding person.

Please answer the following questions about the car manufacturer, called RoboDrive.

- -

anger_robodrive How much anger do you feel toward RoboDrive?

| | None | A lot |
| | 0 10 20 30 40 50 60 70 80 90 100 |

| 1 () | |

---

punish_robodrive How much do you think RoboDrive deserves to be punished?

| | None | A lot |
| | 0 10 20 30 40 50 60 70 80 90 100 |

| 1 () | |

---

moral_bad_robodrive How much do you think RoboDrive was morally bad?

| | None | A lot |
| | 0 10 20 30 40 50 60 70 80 90 100 |

| 1 () | |

End of Block: Page 2: Moral Outrage Questions

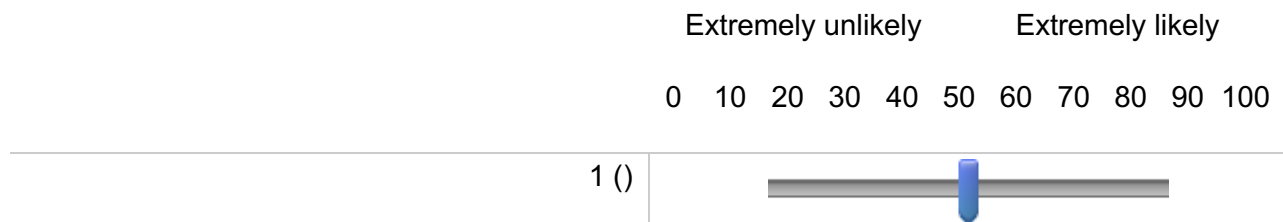Start of Block: Page 3: Collective Action Questions

intentional_lawful Noah buys a robocar that has been programmed to favor law-breaking people over law-abiding people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will deliberately choose to kill the law-abiding person and save the law-breaking person. One day, Noah's robocar is faced with this choice, and it deliberately kills the law-abiding person.

Please answer the following questions about the car manufacturer, called RoboDrive.
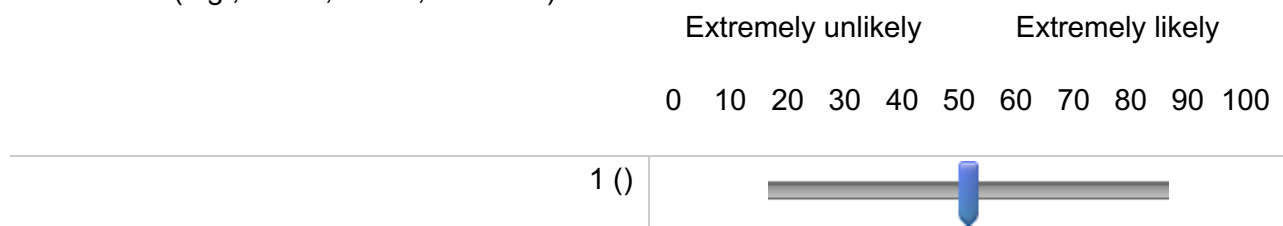
donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?
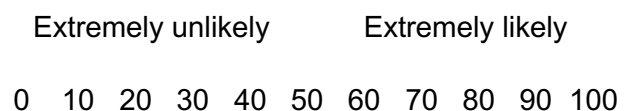
Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

1 ()

volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

1 ()

protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

1 ()

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

1 ()	

---

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?
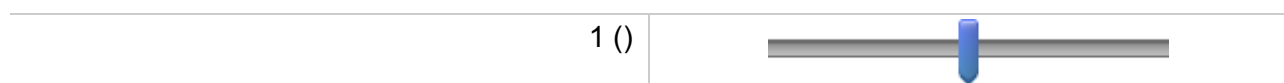
Extremely unlikely   Extremely likely
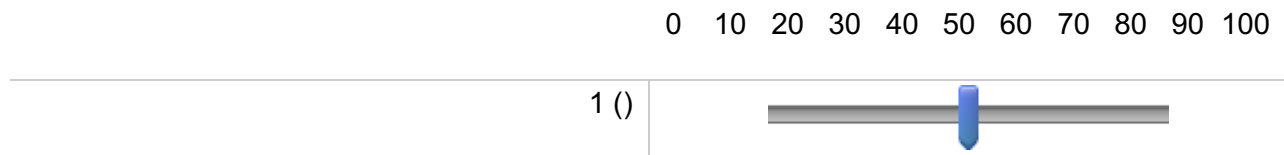
0 10 20 30 40 50 60 70 80 90 100

1 ()	

---

nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0 10 20 30 40 50 60 70 80 90 100
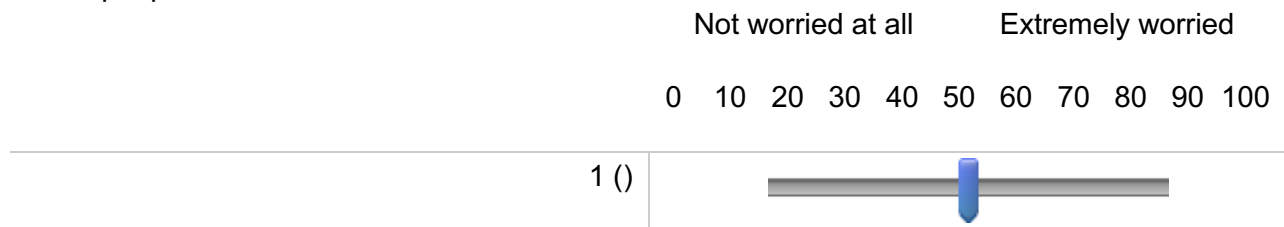
1 ()	

intentional_lawful Noah buys a robocar that has been programmed to favor law-breaking people over law-abiding people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will deliberately choose to kill the law-abiding person and save the law-breaking person. One day, Noah's robocar is faced with this choice, and it deliberately kills the law-abiding person.

---

worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?

Not worried at all   Extremely worried

	0 10 20 30 40 50 60 70 80 90 100
1 ()	

- -

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

	Not worried at all Extremely worried
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

AC_3_intent_lawful **Did the Robocar kill a person deliberately, randomly, or neither?**

◯ Deliberately (1)

◯ Randomly (2)

◯ Neither (3)

- -

AC_4_intent_lawful **Did the robocar kill a law-abiding person, a** law-breaking person**, or neither?**

◯ Law-abiding person (1)

◯ Law-breaking person (2)

◯ Neither (3)

intentional_lawless **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

Noah buys a robocar that has been programmed to favor law-abiding people over law-breaking people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will deliberately choose to kill the law-breaking person and save the law-abiding person. One day, Noah's robocar is faced with this choice, and it deliberately kills the law-breaking person.

intentional_lawless **You will now answer some questions about the scenario.**

Noah buys a robocar that has been programmed to favor law-abiding people over law-breaking people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will deliberately choose to kill the law-breaking person and save the law-abiding person. One day, Noah's robocar is faced with this choice, and it deliberately kills the law-breaking person.
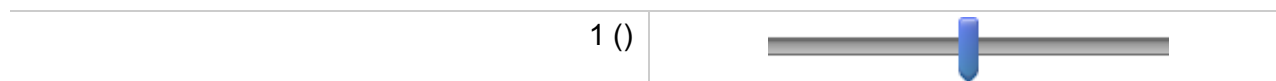
- -

blame_noah Noah is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

- -

blame_robocar The robocar is

| | Not blameworthy | Very blameworthy |
| | 0 10 20 30 40 50 60 70 80 90 100 |

1 ()	

---

blame_robodrive The robocar manufacturer, called RoboDrive, is

Not blameworthy		Very blameworthy

0   10   20   30   40   50   60   70   80   90   100
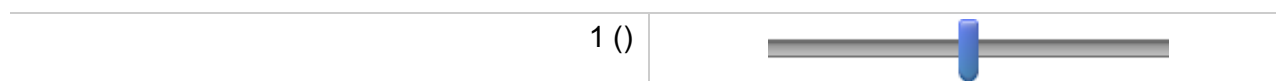
1 ()	

intentional_lawless Noah buys a robocar that has been programmed to favor law-abiding people over law-breaking people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will deliberately choose to kill the law-breaking person and save the law-abiding person. One day, Noah's robocar is faced with this choice, and it deliberately kills the law-breaking person.

Please answer the following questions about the car manufacturer, called RoboDrive.

---

anger_robodrive How much anger do you feel toward RoboDrive?

None		A lot

0   10   20   30   40   50   60   70   80   90   100

1 ()	

---

punish_robodrive How much do you think RoboDrive deserves to be punished?

None   A lot

0   10 20 30 40 50 60 70 80 90 100

1 ()

---

moral_bad_robodrive How much do you think RoboDrive was morally bad?

None   A lot

0   10 20 30 40 50 60 70 80 90 100

1 ()

End of Block: Page 2: Moral Outrage Questions

Start of Block: Page 3: Collective Action Questions

intentional_lawless Noah buys a robocar that has been programmed to favor law-abiding people over law-breaking people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will deliberately choose to kill the law-breaking person and save the law-abiding person. One day, Noah's robocar is faced with this choice, and it deliberately kills the law-breaking person.

Please answer the following questions about the car manufacturer, called RoboDrive.

---

donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?

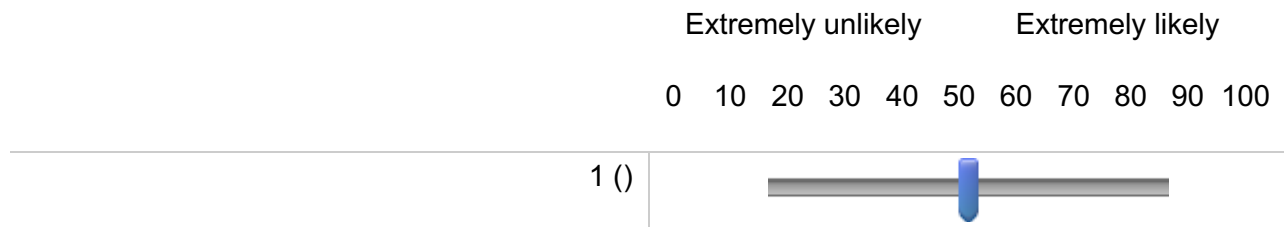Extremely unlikely   Extremely likely
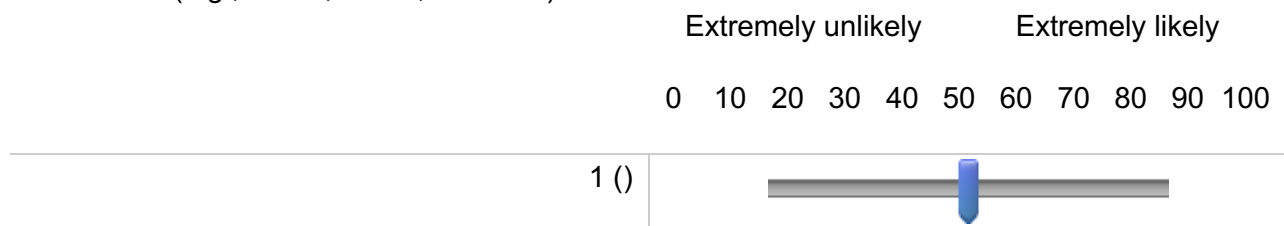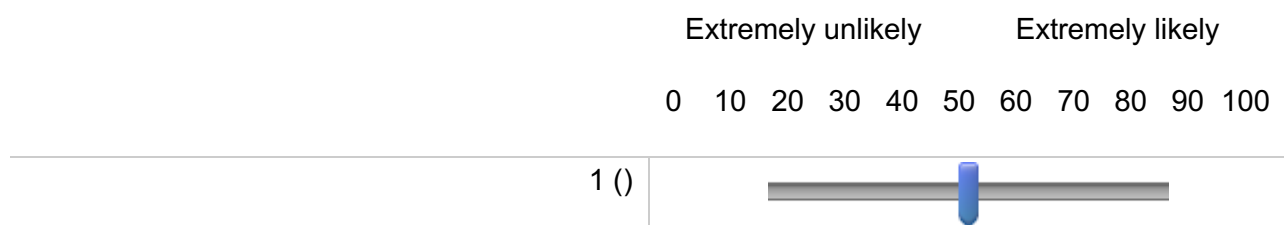
0   10 20 30 40 50 60 70 80 90 100

1 ()

volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?
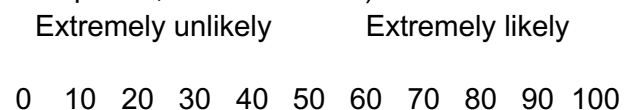
Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

1 ()

protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?
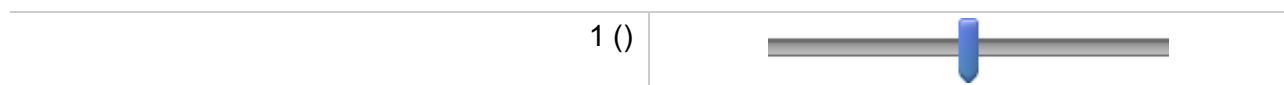
Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

1 ()

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

1 ()

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100
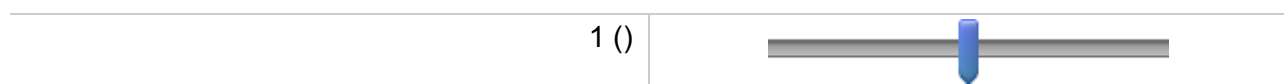
1 ()	

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nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0   10   20   30   40   50   60   70   80   90   100

1 ()	

intentional_lawless Noah buys a robocar that has been programmed to favor law-abiding people over law-breaking people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will deliberately choose to kill the law-breaking person and save the law-abiding person. One day, Noah's robocar is faced with this choice, and it deliberately kills the law-breaking person.
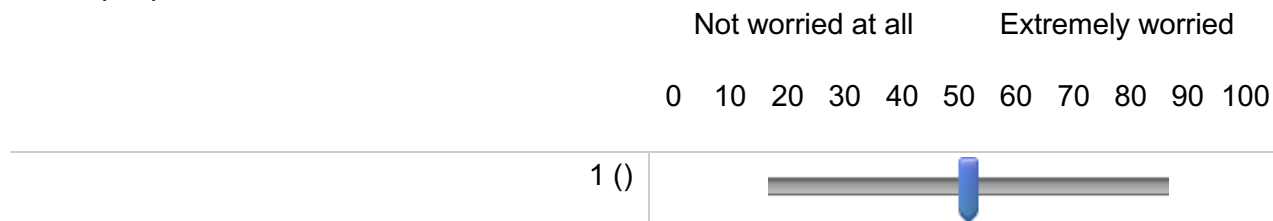
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worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?

Not worried at all   Extremely worried

0   10   20   30   40   50   60   70   80   90   100

1 ()	

---

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

Not worried at all   Extremely worried

0   10   20   30   40   50   60   70   80   90   100

1 ()	

AC_3_intent_lawless **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

AC_4_intent_lawless **Did the robocar kill a law-abiding person, a** law-breaking person**, or neither?**

○ Law-abiding person (1)

○ Law-breaking person (2)

○ Neither (3)

random_lawful **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

 Noah buys a robocar that has been programmed to have no preference between law-abiding people and law-breaking people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will

randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the law-abiding person.
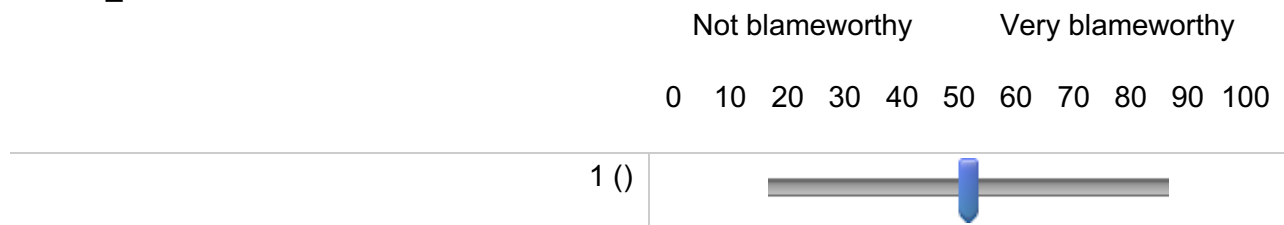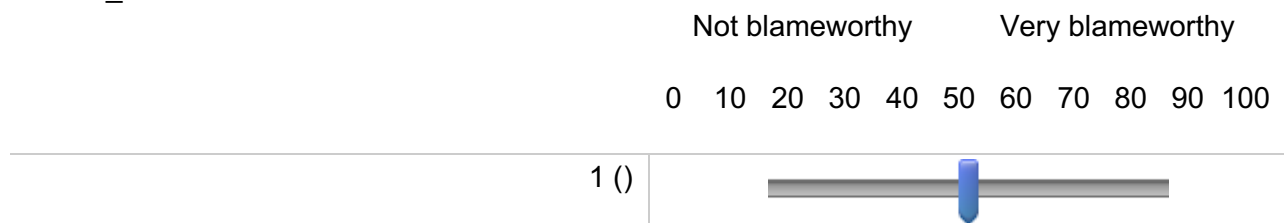
random_lawful **You will now answer some questions about the scenario.**

Noah buys a robocar that has been programmed to have no preference between law-abiding people and law-breaking people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the law-abiding person.
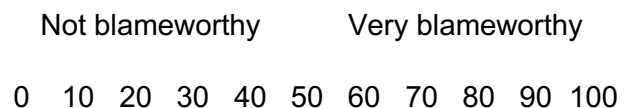
blame_noah Noah is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

blame_robocar The robocar is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100
1 ()	

blame_robodrive The robocar manufacturer, called RoboDrive, is

Not blameworthy   Very blameworthy

0 10 20 30 40 50 60 70 80 90 100

| 1 () | ———————————————————————— |

random_lawful Noah buys a robocar that has been programmed to have no preference between law-abiding people and law-breaking people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the law-abiding person.
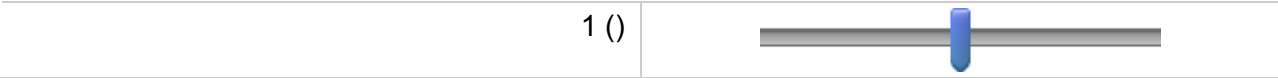
Please answer the following questions about the car manufacturer, called RoboDrive.

anger_robodrive How much anger do you feel toward RoboDrive?

	None								A lot	
0	10	20	30	40	50	60	70	80	90	100

| 1 () | ———————————————————————— |

punish_robodrive How much do you think RoboDrive deserves to be punished?

	None								A lot	
0	10	20	30	40	50	60	70	80	90	100

| 1 () | ———————————————————————— |

moral_bad_robodrive How much do you think RoboDrive was morally bad?

	None						A lot				
	0	10	20	30	40	50	60	70	80	90	100
1 ()						—▮—					

random_lawful Noah buys a robocar that has been programmed to have no preference between law-abiding people and law-breaking people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the law-abiding person.

Please answer the following questions about the car manufacturer, called RoboDrive.

- -

donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?

	Extremely unlikely					Extremely likely					
	0	10	20	30	40	50	60	70	80	90	100
1 ()						—▮—					

- -
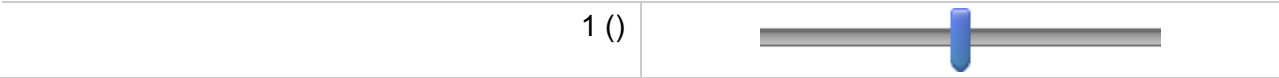
volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?

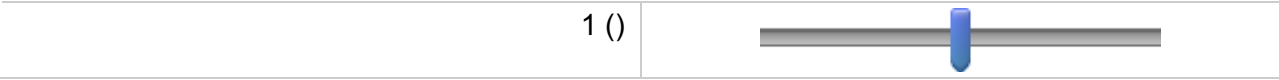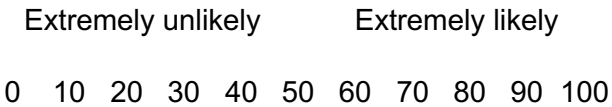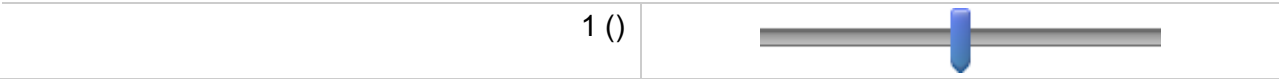| | Extremely unlikely | | | | | Extremely likely | | | | | |
| | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

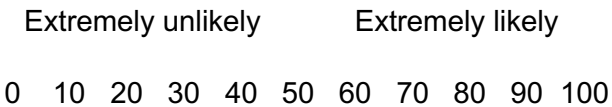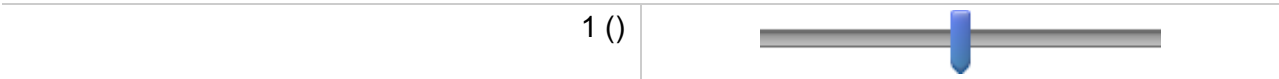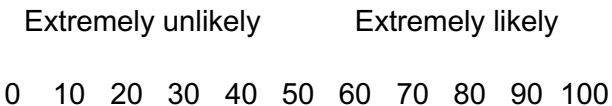|	
1 ()	

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protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?

Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

1 ()	

---

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

1 ()	

---

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

1 ()	

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nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

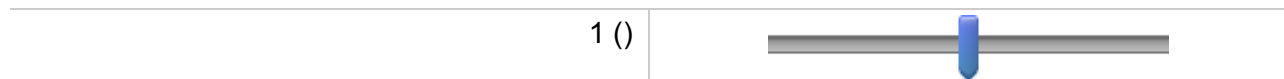|	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

random_lawful Noah buys a robocar that has been programmed to have no preference between law-abiding people and law-breaking people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the law-abiding person.

worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?

	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

AC_3_random_lawful **Did the Robocar kill a person deliberately, randomly, or neither?**

◯ Deliberately (1)

◯ Randomly (2)

◯ Neither (3)

- -

AC_4_random_lawful **Did the robocar kill a law-abiding person, a** law-breaking person**, or neither?**

◯ Law-abiding person (1)

◯ Law-breaking person (2)

◯ Neither (3)

random_lawless **Read the scenario below** about a self-driving car **carefully. Once you are finished, you will be asked to answer some questions about it.**

Noah buys a robocar that has been programmed to have no preference between law-abiding people and law-breaking people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the law-breaking person.

random_lawless **You will now answer some questions about the scenario.**

Noah buys a robocar that has been programmed to have no preference between law-abiding people and law-breaking people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the law-breaking person.
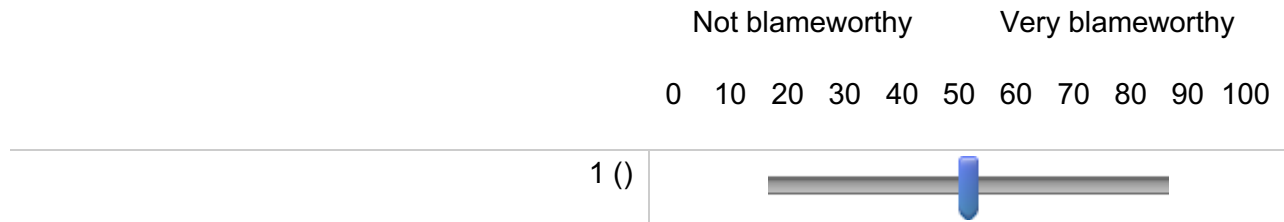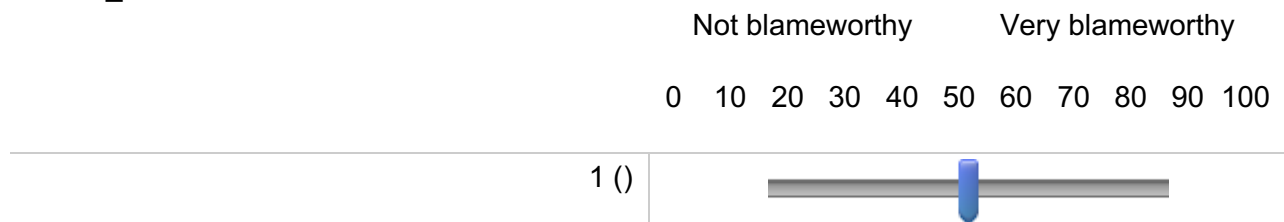
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blame_noah Noah is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

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blame_robocar The robocar is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

---

blame_robodrive The robocar manufacturer, called RoboDrive, is

	Not blameworthy	Very blameworthy
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

End of Block: Page 1: Blameworthiness Questions

Start of Block: Page 2: Moral Outrage Questions

random_lawless Noah buys a robocar that has been programmed to have no preference between law-abiding people and law-breaking people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the law-breaking person.
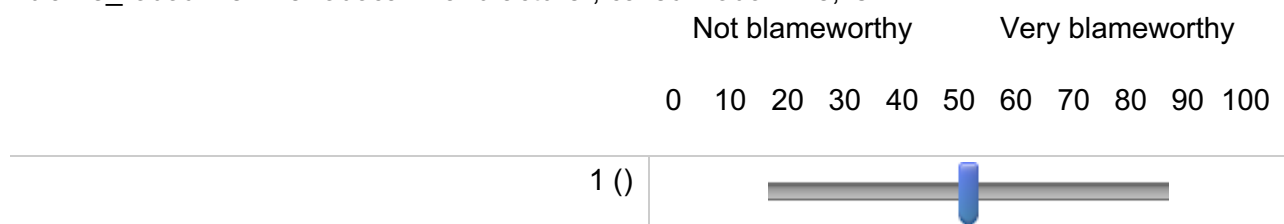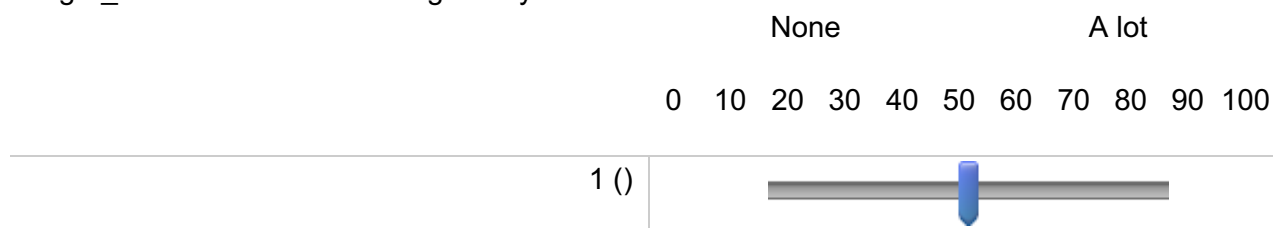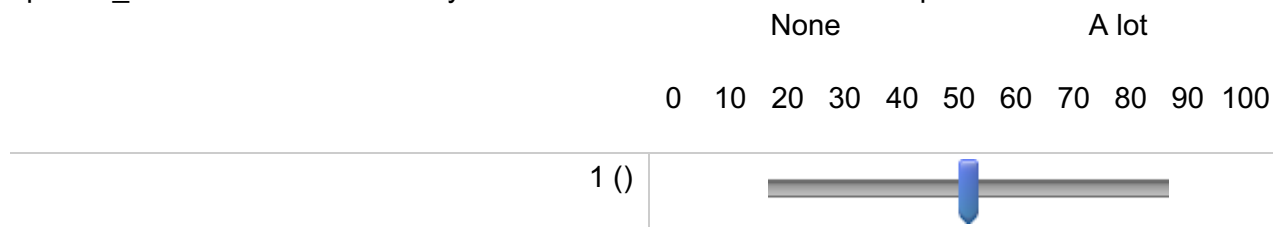
Please answer the following questions about the car manufacturer, called RoboDrive.
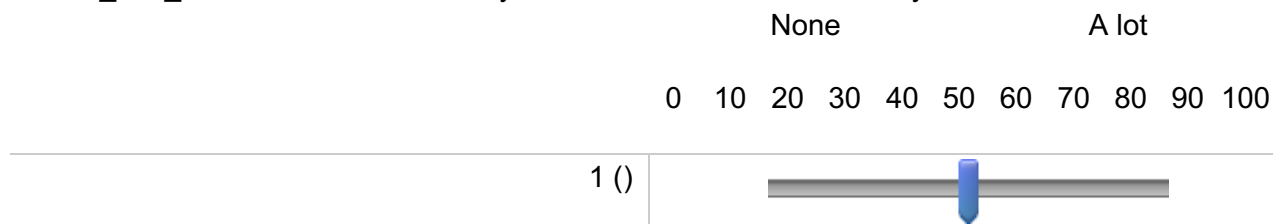
- -

anger_robodrive How much anger do you feel toward RoboDrive?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

- -

punish_robodrive How much do you think RoboDrive deserves to be punished?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

- -

moral_bad_robodrive How much do you think RoboDrive was morally bad?

	None	A lot
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

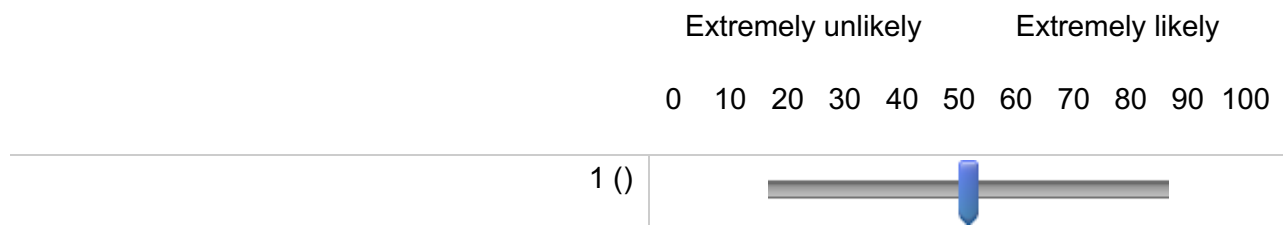**End of Block: Page 2: Moral Outrage Questions**

random_lawless Noah buys a robocar that has been programmed to have no preference between law-abiding people and law-breaking people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the law-breaking person.

Please answer the following questions about the car manufacturer, called RoboDrive.
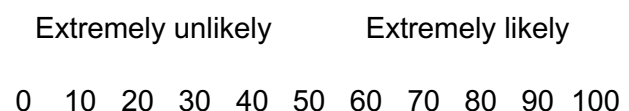
donate_robodrive How likely do you think it is that you would donate money to organizations that accuse RoboDrive?
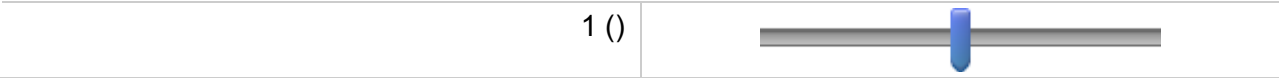
	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

volunteer_robodrive How likely do you think it is that you would volunteer time to organizations or causes that accuse RoboDrive?

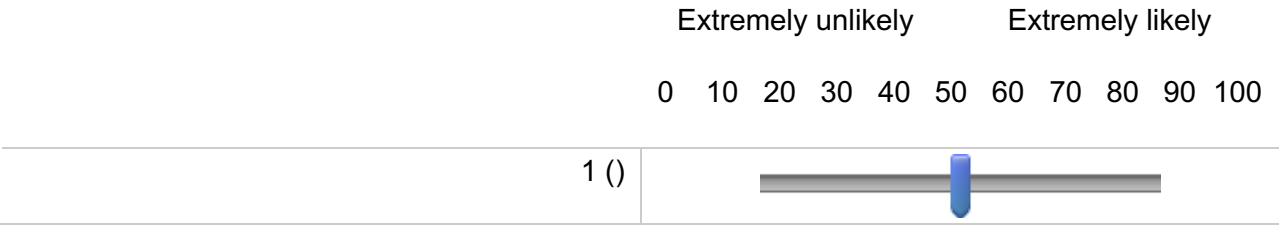|	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

protest_robodrive How likely do you think it is that you would engage in protest activities against RoboDrive (e.g., rallies, sit-ins, marches)?
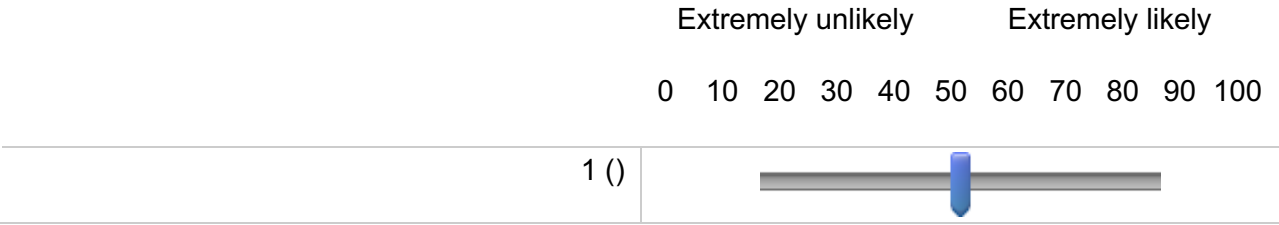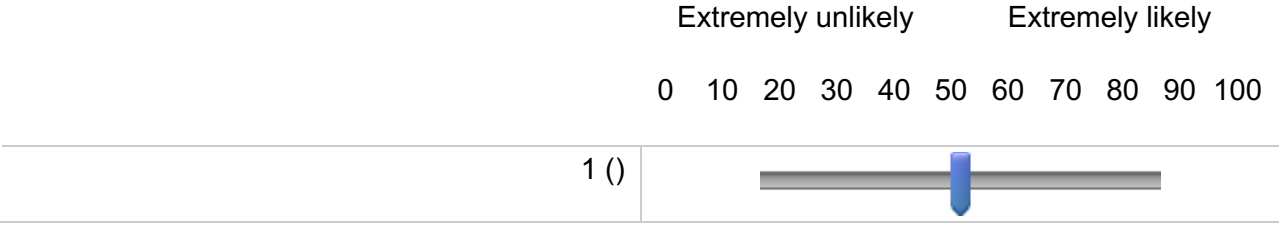
	Extremely unlikely	Extremely likely
	0 10 20 30 40 50 60 70 80 90 100	

1 ()	

---

soc_media_robodrive How likely do you think it is that you would express your anger toward RoboDrive on social media?

Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

1 ()	

---

likeminded_robodrive How likely do you think it is that you would have conversations about RoboDrive with like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

1 ()	

---

nonlike_robodrive How likely do you think it is that you would have conversations about RoboDrive with NON-like-minded people (in person, on the phone, via the internet)?

Extremely unlikely   Extremely likely

0   10 20 30 40 50 60 70 80 90 100

1 ()	

End of Block: Page 3: Collective Action Questions

Start of Block: Page 4: Worry Questions

random_lawless Noah buys a robocar that has been programmed to have no preference between law-abiding people and law-breaking people. If it is ever faced with no other choice but to hit and kill a person who illegally jaywalked versus a person who legally walked on a crosswalk, it will randomly choose to kill one of them. One day, Noah's robocar is faced with this choice, and it randomly kills the law-breaking person.

worry_self_robocar How worried are you about this brand of robocar unnecessarily hitting you?
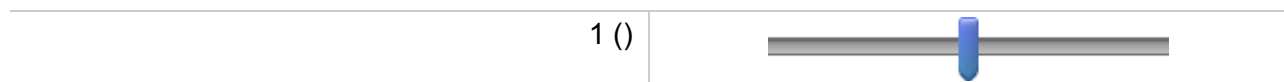
	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

worry_others_robocar How worried are you about this brand of robocar unnecessarily hitting other people?

	Not worried at all	Extremely worried
	0 10 20 30 40 50 60 70 80 90 100	
1 ()		

AC_3_random_lawless **Did the Robocar kill a person deliberately, randomly, or neither?**

○ Deliberately (1)

○ Randomly (2)

○ Neither (3)

AC_4_random_lawless **Did the robocar kill a law-abiding person, a** law-breaking person**, or neither?**

○ Law-abiding person (1)

○ Law-breaking person (2)

○ Neither (3)

gender What is your g**ender?**

○ Male (1)

○ Female (2)

○ Prefer not to disclose (3)

○ Other (4) _____

ethnicity
What is your ethnicity?

○ White (1)

○ Black (2)

○ Asian (3)

○ Mixed (4)

○ Other (5) _____

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

_____

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education **Please indicate the highest level of education completed.**

○ Grammar School (1)

○ High School or Equivalent (2)

○ Vocational/Technical School (2 year) (3)

○ Some College (4)

○ College Graduate (4 year) (5)

○ Masters Degree (MS) (6)

○ Doctoral Degree (PhD) (7)

○ Professional Degree (MD, JD, etc.) (8)

○ Other (9) _____

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comments **Any comments on the survey?**

_____

End of Block: Demographics

Start of Block: Debrief

debrief
SOCIAL DECISION-MAKING DEBRIEFING **What was this study about?** The aim of the current study is to explore how cognitive, affective, and neural processes change when social relations shift from "me vs. you" to "us vs. them." **How was the study conducted?** In today's study, you may have been asked to complete several self-report questionnaires that contain questions about thoughts, feelings, and personality attributes. You were then asked to view words, photos, symbols, or animated scenes that look like video games, and to make

decisions about these items. You may have been asked to interact with another person. **What was the hypothesis?** We expect to find that people make less positive judgments about and behave less generously toward out-group relative to in-group members. **Did we tell you everything?** Yes. There was no deception involved in this study. **Why is this study important?** People who accurately identify, value, and cooperate with in-group members enjoy numerous benefits, including the fulfillment of many basic psychological needs. The functional benefits of group membership notwithstanding, group life is also a source of social strife and destruction (e.g., pressure to conform within groups, protracted conflict between groups. Intergroup conflict, in particular, has been described as "one of the greatest problems facing the world today" (Cohen & Insko, 2008). The aim of the current study is to explore how cognitive, affective, and neural processes change when social relations shift from "me vs. you" to "us vs. them." This research will contribute to our basic understanding of human psychology intergroup contexts, and may also have applications to areas of law and policy, both domestic and international. **References:** Cikara, M., Bruneau, E. G., Van Bavel, J. J., & Saxe, R. (2014). Their pain gives us pleasure: How intergroup dynamics shape empathic failures and counter-empathic responses. **Journal of Experimental Social Psychology**, 55, 110-125.

 Cikara, M., Jenkins, A., Dufour, N., & Saxe, R. (2014). Reduced self-referential neural response during intergroup competition predicts later willingness to harm a competitor. **NeuroImage**, 96, 36-43. **How to contact the researcher:** If you have questions or concerns about your participation or payment, or want to request a summary of research findings, please contact the researcher: Mina Cikara, Assistant Professor of Psychology, 617.495.3819; 1420 William James Hall, 33 Kirkland St, Cambridge, MA 02138; mcikara@fas.harvard.edu. For any problems related to this study, you may also contact the faculty member who is supervising it: Mina Cikara, mcikara@fas.harvard.edu. **Whom to contact about your rights as a participant in this research:** For questions, concerns, suggestions, or complaints that have not been or cannot be addressed by the researcher, or to report research-related harm, please contact the Committee on the Use of Human Subjects in Research at Harvard University, 44-R Brattle Street, Suite 200, Cambridge, MA 02138. Phone: 617-496-2847. Email: cuhs@harvard.edu

End of Block: Debrief