metaware\_24a

Start of Block: #0: Consent

consent CONSENT FORM  
 **DESCRIPTION:**You are invited to participate in a research study being performed by cognitive scientists in the Stanford Center for the Study of Language and Information focused on how participants respond when they receive information about the study hypothesis. In the study, you will be asked questions about a variety of experiments.   
   
 **TIME INVOLVEMENT:**  We estimate that your participation will take approximately 12 minutes.   
   
 **RISKS AND BENEFITS:** There are no foreseeable risks or anticipated benefits involved with you participating in this study. Your decision whether or not to participate in this study will not be held against you in any way. We cannot and do not guarantee or promise that you will receive any benefits from this study.  
   
 **PAYMENTS:** You will be compensated the amount promised by the online platform.  
   
 **PARTICIPANT'S RIGHTS:** Your participation in this research is voluntary. You may decline to answer any or all of the following questions. You may decline further participation, at any time, without adverse consequences. You have the right to withdraw your consent or discontinue participation at any time without penalty or loss of benefits to which you are otherwise entitled. The alternative is not to participate.  
   
 The researchers who have requested your participation will not receive any personal information about you. The data and results from this research study will be presented at scientific meetings, published in scientific journals, and posted in an online data repository.  
   
 **CONTACT INFORMATION:**   
 *Questions:* If you have any questions, concerns or complaints about this research, its procedures, risks and benefits, contact the Protocol Director, Michael C. Frank, at mcfrank@stanford.edu.  
   
 *Independent Contact*: If you are not satisfied with how this study is being conducted, or if you have any concerns, complaints, or general questions about the research or your rights as a participant, please contact the Stanford Institutional Review Board (IRB) to speak to someone independent of the research team at 650-723-2480 or email at irbnonmed@stanford.edu or toll free at 1-866-680-2906. You can also write to the Stanford IRB, Stanford University, 1705 El Camino Real, Palo Alto, CA 94306.  
   
 **Please print a copy of this page for your records**   
   
 If you agree to participate in this research, please click the next button on your web browser to begin.

End of Block: #0: Consent

Start of Block: #1: Information

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task\_exp1 In this part of the study, we are interested in participants' experience in psychology studies.   
   
 We will have you review descriptions of 10 real studies in psychology. For each description, we will ask you to imagine yourself as the participant. We will then ask you to indicate:   
   
 1. How motivated you would be to confirm the researcher's hypothesis,  
  
2. Whether you think other participants will confirm the researcher's hypothesis,  
  
3. How much you believe the researcher's hypothesis, and  
  
4. How much you believe you could adjust your responses to the researcher's measure of interest.

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task\_exp2 While reviewing the psychology studies, we are interested in your most honest and accurate beliefs.  
   
 Please carefully reflect on each situation and answer as honestly as possible. We will keep your responses completely anonymous.

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vig\_assign

* #01\_p\_tr1 (1)
* #01\_p\_ang (4)
* #01\_p\_lin (5)
* #01\_p\_wor (6)
* #01\_p\_rev (7)
* #01\_p\_dig (8)
* #01\_p\_tap (9)
* #01\_p\_tr2 (10)
* #01\_p\_vis (11)
* #01\_p\_sim (12)
* #01\_p\_dur (13)
* #01\_p\_log (14)
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* #01\_p\_dul (16)
* #01\_p\_unp (17)
* #01\_p\_anx (18)
* #01\_p\_spa (19)
* #01\_p\_res (20)
* #01\_p\_irr (21)
* #02\_p\_coo (22)
* #03\_p\_swi (23)
* #03\_n\_swi (24)
* #04\_p\_age (25)
* #04\_n\_age (26)
* #04\_p\_per (27)
* #04\_n\_per (28)
* #04\_p\_err (29)
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* #04\_p\_rea (31)
* #04\_n\_rea (32)
* #05\_p\_dis (33)
* #07\_z\_ver (34)
* #07\_z\_man (35)
* #08\_p\_pos (36)
* #08\_p\_fol (37)
* #08\_n\_pos (38)
* #08\_n\_fol (39)
* #08\_p\_drq (40)
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* #09\_p\_sat (42)
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* #11\_p\_hap (44)
* #11\_z\_hap (45)
* #11\_p\_ang (46)
* #11\_z\_ang (47)
* #12\_p\_hap (48)
* #12\_z\_hap (49)
* #12\_p\_ang (50)
* #12\_z\_ang (51)
* #14\_p\_res (52)
* #14\_n\_res (53)
* #15\_p\_nin (54)
* #15\_p\_yin (55)
* #16\_p\_new (56)
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* #17\_p\_yin (58)
* #20\_p\_vis (59)
* #20\_p\_voc (60)
* #20\_p\_non (61)
* #20\_p\_bod (62)
* #20\_p\_pre (63)
* #20\_z\_vis (64)
* #20\_z\_voc (65)
* #20\_z\_non (66)
* #20\_z\_bod (67)
* #20\_z\_pre (68)
* #21\_n\_rat (69)
* #21\_n\_irr (70)
* #22\_p\_sim (71)
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* #23\_p\_und (76)
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* #25\_p\_des (88)
* #25\_n\_des (89)
* #25\_p\_dep (90)
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* #26\_p\_gri (92)
* #26\_n\_gri (93)
* #27\_p\_sal (94)
* #27\_n\_sal (95)
* #28\_p\_sim (96)
* #28\_p\_dis (97)
* #29\_n\_dep (98)
* #30\_p\_puz (99)
* #31\_p\_sho (100)
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* #32\_p\_num (102)
* #32\_n\_num (103)
* #33\_p\_beh (104)
* #34\_p\_spa (105)
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* #34\_n\_ver (108)
* #35\_p\_pus (109)
* #35\_n\_pus (110)
* #36\_p\_won (111)
* #36\_n\_won (112)
* #37\_p\_att (113)
* #38\_p\_err (114)
* #38\_n\_err (115)
* #39\_p\_sat (116)
* #39\_n\_sat (117)
* #40\_p\_new (118)
* #40\_n\_new (119)
* #41\_p\_nin (120)
* #41\_p\_yin (121)

vig\_assign\_tme Timing

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End of Block: #1: Information

Start of Block: #1: Vignettes

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v\_num   
**Scenario #${lm://CurrentLoopNumber} out of 10**

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v\_txt ${lm://Field/2}   
  
 ${lm://Field/3}   
  
 ${lm://Field/4}

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awr In the previous scenario, what was the researcher's stated hypothesis?

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* ${lm://Field/9} (2)
* ${lm://Field/10} (3)
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mot *Imagine you were a participant in the previous scenario.*  
   
 To what extent would you be motivated to adjust your response based on the researcher's stated hypothesis?

* Extremely motivated to adjust response to be *inconsistent* with the researchers' stated hypothesis **-3** (-3)
* **-2** (-2)
* **-1** (-1)
* Not motivated to adjust response **0** (0)
* **1** (1)
* **2** (2)
* Extremely motivated to adjust response to be *consistent* with the researcher's stated hypothesis **3** (3)

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pre *Imagine the previous scenario.*  
   
 To what extent would do you believe that other participants will adjust their responses to confirm the researcher's stated hypothesis?

* Extremely likely to adjust responses to be *inconsistent* with the researchers' stated hypothesis **-3** (-3)
* **-2** (-2)
* **-1** (-1)
* Not likely to change responses at all**0** (0)
* **1** (1)
* **2** (2)
* Extremely likely to adjust responses to be *consistent* with the researcher's stated hypothesis **3** (3)

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bel *Imagine you were a participant in the previous scenario.*   
 To what extent would you believe that the stated hypothesized effect will occur?

* Strong *disbelief* that the effect will occur **-3** (-3)
* **-2** (-2)
* **-1** (-1)
* Not sure if effect will occur**0** (0)
* **1** (1)
* **2** (2)
* Strong *belief* that effect will occur**3** (3)

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opp *Imagine you were a participant in the previous scenario.*   
 Assuming that you were motivated to do so, to what extent would you be able to control or change your response to confirm the researcher's stated hypothesis?

* Extremely *incapable* of changing the response **0** (0)
* **1** (1)
* **2** (2)
* **3** (3)
* Extremely *capable* of changing the response**4** (4)

End of Block: #1: Vignettes

Start of Block: #3: Individual Differences

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indiv\_desc\_txt   
We will now ask you some questions about yourself.

indiv\_desc\_tme Timing

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mot\_gen **In general**, to what extent do you think participants ought to be motivated to adjust their responses based on the researcher's stated hypothesis?

* They should be extremely motivated to adjust response to be *inconsistent* with the researchers' stated hypothesis **-3** (-3)
* **-2** (-2)
* **-1** (-1)
* They should not be motivated to adjust response **0** (0)
* **1** (1)
* **2** (2)
* They should be extremely motivated to adjust response to be *consistent* with the stated researcher's hypothesis **3** (3)

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indiv\_gend\_var How would you describe your gender?

* Female (1)
* Male (2)
* Transgender Female (3)
* Transgender Male (4)
* Gender variant/Non-conforming (5)
* Not listed (6) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Prefer not to answer (7)

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indiv\_agee\_var What is your age, in years?

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ethnicity Choose one or more ethnicities that you consider yourself to be

* White or Caucasian (1)
* Black or African American (2)
* American Indian/Native American or Alaska Native (3)
* Asian (4)
* Native Hawaiian or Other Pacific Islander (5)
* Other (6)
* Prefer not to say (7)

End of Block: #3: Individual Differences

Start of Block: #3: Debriefing

debriefing DEBRIEFING FORM  
 Thank you for participating in this study.  
   
 The purpose of this study is to understand how research participants behave when they are aware of the researcher’s hypothesis. Awareness of the researcher’s hypothesis—often called *demand characteristics* in psychology courses—is a fundamental methodological concern in psychology. Our study was designed to better understand this fundamental methodological concern.  
   
 In this study, we described a variety of hypothetical scenarios where research participants were told the researcher’s hypothesis. We then asked you (a) how motivated you would be to confirm the researcher’s hypothesis, (b) how much you would believe the researcher’s hypothesis, (c) whether you believe you could adjust your responses, and (d) whether you believe other participants would confirm the researcher’s hypothesis. We believe these factors will help explain when and why demand characteristics are a problem in psychology research.  
   
 If you have any questions about the study, you can contact Professor Michael Frank at mcfrank@stanford.edu. If you would like to receive a copy of the results, we can email them to you at the end of the study. Thank you again for participating in this study!

End of Block: #3: Debriefing