First Name:	Last Name:	Last Name:	
Student ID #: _			
PSC 041	Research Methods in Psychology	WQ 2024	

# Unit 1 Exam Version D Research Summary

Please answer the following questions in the space provided. Only write on the lines.

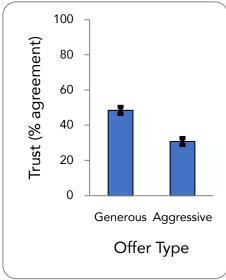
**Adapted from:** Gino, F., Jeong, M., & Minson, J. A. (2020). In Generous Offers I Trust: The Effect of First-Offer Value on Economically Vulnerable Behaviors. Psychological Science.

If we want to negotiate the best price, should we start aggressively or start out being generous? A new study finds that starting out with a generous offer might be the best strategy.

The researchers located 500 valuable bicycles listed for sale on Craigslist. The bicycles were all valued at more than \$1000 and listed as 'like new' condition. The researchers contacted the owners and made an initial offer from a gmail account with a gender-neutral name ("Riley"). The initial offer was randomly assigned to be a low offer or high offer. Low offers were 58% of the asking price. High offers were 78% of asking price. Here is the email that was used in all cases.

"Hey there, that's a sweet ride you have. Definitely interested. I can pay \$xxx for it. Would you be ok with me taking it for a test drive first? Also, is there anything I should know about the bike? Have you had any issues or problems with it? Thanks, Riley."

In all, 363 bike owners responded to this email. Of the 250 emails with high offers, 208 sellers responded. Of the 250 emails with low offers, 155 sellers responded. The email responses were read by undergraduate research assistants and coded as including a written statement that agreed to the potential buyer taking the bike on a test drive or not. Allowing a potential buyer to take a bike for a test ride takes quite a lot of trust. They could just ride off with your bike! More owners who received high offers agreed to a test drive (48.5%) than those who received a low offer (30.8%). The owners who had been offered a favorable deal showed more trust,  $\chi^2(1, N = 363) = 11.61$ , p = .002.



Нур	potheses
pts <mark>1. Wr</mark> ite a specific null hypothesis for this re	esearch (be sure to use the variable names).
	<b>A</b>
pts 2. Sketch the null hypothesis:	Trust (% Agreement)
	⊕ ⊖
	Agr
	st (%
	<u>2</u>
	Congress
	Generous Aggressive Offer Type
pt <mark>s 3. Write a s</mark> pecific directional research hyp	pothesis for this research (be sure to use the
variable names or levels).	

#### **Predictor Variable**

10 pts	4. Name the predictor / independent variable
10 pts	5. How did the researchers operationally define the predictor / independent variable? Describe it using your own words. Be sure to include the levels or values and indicate how the codes will be interpreted.
5 pts	<ul> <li>6. The predictor / independent variable is (fill in the box)</li> <li>Categorical</li> <li>Continuous</li> </ul>
5 pts	7. How was the predictor / independent variable measured? (fill in the box)    Observation  Self-Report  Physiological
	☐ It was manipulated (under the experimenter's control)

#### **Outcome Variable**

10 pts	8. Name the outcome / dependent variable
10 pts	9. How did the researchers operationally define the outcome / dependent variable? Describe it using your own words. Be sure to include the levels or values and indicate how the codes will be interpreted.
5 pts	<ul><li>10. The outcome / dependent variable is (fill in the box)</li><li>Categorical</li><li>Continuous</li></ul>
5 pts	11. How was the outcome / dependent variable measured? (fill in the box)   Observation  Self-Report
	<ul><li>Physiological</li><li>It was manipulated (under the experimenter's control)</li></ul>
	Use this information just for Q12. Another researcher wants to extend this finding using different methods to address a similar research question. This researcher sends another email to set a date for the test ride and asks if the seller would feel more comfortable meeting in a public place or at their house. A response indicating a public place was coded as low trust and a private place was coded as high trust.
5 pts	<ul><li>12. How was this new outcome / dependent variable measured? (fill in the box)</li><li>☐ Observation</li><li>☐ Self-Report</li></ul>
	<ul> <li>Physiological</li> <li>It was manipulated (under the experimenter's control)</li> </ul>
	Page 4 of 7

## Summarize the findings (from the original prompt)

5 pts	<ul> <li>14. Is this a value, causal, or associative claim? (fill in the box)</li> <li>Value</li> <li>Causal</li> <li>Associative</li> </ul>
10 pts	15. How do you know? (include specific information from the prompt)
10 pts	16. Does this interpretation follow from this study: "We found that giving a generous offer was not related to trust." Why or why not?

### Multiple choice/ fill in the blank / short answer.

Select the <u>single best answer</u>. Indicate your choice by filling in the box to the left of your selection. Write short answers in the space provided.

2.5 points each.

17. Which	of the following is a definition of external validity?
	the degree to which a test or instrument is capable of measuring a concept, trait, or other theoretical entity
	the degree to which a study or experiment is free from flaws and can
	therefore be taken to represent the true nature of the phenomenon. the extent to which the results of research or testing can be generalized beyond the sample that generated them.
18. Which	of the following is the best operational definition for the construct "memory" Number of pieces of information a person remembers from a video Brain activity measured by EEG
	self-report of how good is your memory (1 = not good to 7 = very good)
would v	question the internal validity of a study, which of the following questions you be asking?  How well do the results generalize to the overall population?
	Which statistic should be computed? Were the variables measured accurately? Does the predictor variable cause changes in the outcome variable?
	n Experimenter wants to know what students eat in the dining halls. What is st method match?
	observation
	survey physiological monitoring
dining I	Experimenter wants to know if students enjoy sitting with strangers in the halls. What is the best method match for enjoyment?  observation
	survey physiological monitoring
22. What s	ort of evidence are testimonials from individuals? rational
	empirical
	scientific anecdotal

	considering association claims, which of the following of Mill's criteria must
	Ability to rule out alternate explanations
24.Temp	oral precedence refers to
	1 / /
	world.
	of the following characteristics is most indicative of pseudoscience rather egitimate science?
	1
Ц	Consistent adherence to established scientific theories
	portant characteristic of science is that it is public. Which of these statements ibes this characteristic?
	entific inquiry has value independent of any economic value that may result method that may result method that may result method the research
□ All	natural, social, and psychological phenomena are causally determined by eceding events or natural laws
	ience is based on objective, reproducible evidence and not on pure reason,
en	notion, or subjective experience
	scientific knowledge is open to further testing and revision
	eve that fairies exist. I believe that fairies are very shy and that they do not themselves to people.
There	efore, if fairies do actually exist, you won't see any fairies.
	llso, If fairies do not exist, you won't see any fairies.
	suse these two predictions are the same, which characteristic of science
aces	my belief violate? Write a single word:
	earcher reports that 50% of undergraduate students change their major. What
туре	of claim will the researcher make?  Value claim