Avila University Institutional Review Board
Request for Research with Human Participants

Directions for completing this form:

- See the IRB Information Sheet (available on MyAU) for details about how to complete and submit this application.

Principal Investigator Information

Name of Principal Investigator: Jordan Wagge

Email Address: jordan.wagge@avila.edu

Phone Number(s): Cell/Home: _____ Work: 816-501-2964

Project/Research Information:

Project Title: The Accelerated CREP Registered Replication Report: Turri, Buckwalter, & Blouw

Project Status:
- ☑ New Project
- ☐ Modification of Previously Approved Project.

  Title of Previous Project _____

  IRB number of Previous Project _____

Project/Research Start Date: 09/01/2019

Project/Research End Date: 09/01/2020

Where will the project be conducted? Online

Check one of the following and complete the portions noted.
- ☐ Avila University Student—complete part A and go on to the next section
- ☑ Avila University Faculty/Staff—complete part B and go on to the next section
- ☐ Investigator not connected with Avila using Avila students, faculty, or staff to collect research data—skip Parts A & B and go to the next section

Part A: To be completed by Avila University student applicants

1. Student Classification (check one)
   - ☐ Undergraduate Student
   - ☐ Graduate Student
   - ☐ Other: _____

2. Type of project (check all that apply)
   - ☐ Class Project or assignment:
     Course Number and Title: _____

☐ Independent Research
☐ Thesis Research
☐ Other: _____

3. Name of Faculty Supervisor: _____

Part B: To be completed by Avila University faculty or staff applicants

1. Department: School of Psychology

2. Type of project (check all that apply)
   ☑ Personal research project
   ☐ Thesis/Dissertation Research: Name of affiliated institution _____
   ☐ Department or College/School Research
   ☐ Institution-wide Research
   ☐ Class Project for which you are instructor:
   Course Number and Title: _____
   ☐ Check if you are requesting Standing Approval

Answer ALL of the following questions.

1. Approximate number of participants to be involved in the research: 50

2. **Abstract describing Project and Purpose**. Briefly describe (a) the project or study and (b) what human participants will experience during the proposed study or project. Indicate what data, measures, or observations will be collected and used in the study or for the project. If any questionnaires, tests, or other instruments are to be used, include a brief description and attach a copy of the instruments.

We have a Registered Replication Report that has been provisionally accepted by the journal "Advances in Methods and Practices in Psychological Science" (AMPPS).

(a) The purpose of the project is to replicate and extend previous findings from the experimental philosophy literature. The authors of the original paper (Turri, Buckwalter, & Blouw, 2015) attempted to clarify how we make decisions about what other people know. According to Justified True Belief (JTB) Theory, we decide someone knows something when their beliefs are both justified and true, but what had been unclear was the decision we make about others' knowledge when their beliefs are justified and true but threatened by the possibility of being untrue. That is, when people are correct because of luck, are they still rated as "knowing"? Or is that categorized by people more as "believing"? In the original paper, all participants read a vignette about a man named Darrel, who was counting squirrels in a park. The story ended in one of three ways: (1) KNOWLEDGE CONTROL (Justified True Belief): Darrel said he saw a squirrel and it couldn't have been anything else, (2) GETTIER CASE (Lucky Justified True Belief): Darrel said he saw a squirrel; he didn't realize prairie dogs were also in the park so it COULD have been a prairie dog (but wasn't), and (3) IGNORANCE CONTROL (Justified False Belief): This is just like the GETTIER CASE, except he was wrong -- he said squirrel, but it was actually a prairie dog. Participants were then asked to make a binary decision about whether Darrel "Knew" or just "Believed" that he was looking at a squirrel. For the KNOWLEDGE CONTROL condition, most said "knew" -- not surprising. For the IGNORANCE CONTROL condition, most said "believe" -- also not surprising. However, in the GETTIER CASE condition -- despite being similar to the IGNORANCE CONTROL condition in every way except the truthfulness of the outcome -- most people said "knew." We originally aimed to replicate this study directly (and did so), but the editors of AMPPS requested several changes: first, multiple vignettes were requested, so we now have vignettes about Emma, Darrel, and Gerald (see Appendix A). Second, we are including a continuous dependent variable measure rather than a binary option.

(b) Participants will take a survey online in one of two ways: (1) we will send them a link to fill out the survey, and (2) they will come into the lab and fill out the survey on one of our computers. The survey includes all three vignettes with one of each condition in a random order, demographic information, and then a series of questions about their research experience that we have included for a StudySwap meta-study on participant experiences in research. See Appendix A for all questions, and Appendix C for a complete sample survey (the first page informed consent will be replaced with our informed consent in Appendix B).

3. Does the research involve any of the following? Check Yes or No. If Yes, provide an explanation in the space provided below the item.

a. Access to participants through a cooperating institution or agency? ☐ Yes ☑ No
(A letter of cooperation from the agency or persons at the institution must be attached.)

b. Incentives offered for participation (e.g., money, extra credit for the class)? ☑ Yes ☐ No

Participants from PY 101 at Avila University will be offered 30 minutes of credit toward their research experience requirement for completing this study.

c. Participants who could be judged to have limited freedom of consent (e.g., minors, developmentally delayed persons, or those institutionalized)? ☐ Yes ☑ No
(A consent form signed by a parent or guardian is required.)

d. Personal contact that could result in the identification of the participant? ☐ Yes ☑ No
(A consent form is required.)

e. Substances applied externally to the participants? ☐ Yes ☑ No
(A consent form is required.)

f. Procedures involving bodily manipulation? ☐ Yes ☑ No
(A consent form is required.)

g. Deceiving participants about the purpose of the research? ☐ Yes ☑ No
(Debriefing is required.)

h. Specimens? ☐ Yes ☑ No (***biological risk addendum*** may be required)

i. Ingestion of substances? ☐ Yes ☑ No
(*A consent form is required;* ***biological risk addendum*** *may be required*)

j. Fluid or tissues removed from participants? ☐ Yes ☑ No
(*A consent form is required;* ***biological risk addendum*** *must be completed*)

4. Will the participants be asked to respond to any of the following areas of "sensitive" research (as defined by Public Health Service Act 301(d))? **Check all that apply**. Explanations and justifications should be included in questions 6 – 12 below.

- ☐ Relating to sexual attitudes, preferences, or practices.
- ☐ Relating to the use of alcohol, drugs, or other addictive products.
- ☐ Pertaining to illegal conduct.
- ☐ Information that, if released, could reasonably be damaging to an individual's financial standing, employability, or reputation within the community.
- ☐ Information that would normally be recorded in a patient's medical record, and the disclosure of which could reasonably lead to social stigmatization or discrimination.
- ☐ Information pertaining to an individual's psychological well-being or mental health.
- ☐ Information in any other category that might be considered sensitive because of specific cultural or other factors.

5. Will the research use any of the following methodologies? **Check all that apply**.

- ☐ Repeated administrations of the same instrument or data collected over several contacts with participants
- ☑ Individual (in person) administration or contact with participants
- ☐ Group (in person) administration or contact with participants
- ☑ Other distribution and collection involving no personal contact with participants (including mail distribution, distribution through another person or agency, etc.)
- ☐ Written consent form for participants to sign
- ☐ Interviews
- ☐ Observations
- ☑ Surveys or questionnaires
- ☐ Audio or video recordings
- ☐ Usage of pictures or images of actual people *(permission required to be attached)*
- ☐ Materials from websites *(permission required to be attached or source cited, as appropriate)*
- ☐ Copyrighted materials *(permission required to be attached or source cited, as appropriate)*

6. Describe the proposed participants. Include any special considerations such as age, gender, ethnicities, socio-economic status, etc.

Participants will be adults.

7. Describe how the participants will be identified and recruited for participation in the project. (Note that if an investigator is interested in recruiting students in a specific course, the instructor for that course may allow the investigator to address the students or the instructor may provide the students with the investigator's information, but may not provide student information to the investigator, without the students' informed consent.)

Participants will be identified and recruited in several ways:
(1) Participants from the PY 101 participant pool will be provided this survey as an option to meet their research experience requirement. The study will be posted on SONA and they will see it as a potential option to complete.

(2) Researchers (including students in PY 261/262) will post the link for this survey on their social media accounts with a request for participation. See Appendix D for the recruitment language.

8. Describe the benefits of this research project to participants, and with regard to gains in knowledge or other larger benefits that may result from the project. Note that incentives to participate are not considered benefits of the research.

There are no direct benefits of this research to participants; however, we anticipate learning more about the way in which people make judgments about others' knowledge which we hope will advance the literature in this area.

9. Describe the risks of this research project. Include all known and anticipated risks to the participants such as side effects, risks of placebo (inert) treatments, etc. Any procedures that might place the participants at risk (psychological, physical, social, or economic) require a consent form. For research that proposes substantial risk to human participants, describe emergency backup procedures that are in place, such as medical or counseling interventions.

There is minimal risk involved in participation. This means that the level of risk is no greater than the level of risk one experiences in normal, every day situations.

10. How will you store data and assure continued confidentiality of data collected from this project?

Data will be stored on SocSciSurvey's servers. This data will not contain any personally identifying information. The people who will have access to this data will be the Survey administrator (Sophia Weissgerber from the University of Kassel), members of the Wagge Lab who have access to our password-protected dropbox account, and students from PY 261/262 who will be working on this project. Additionally, anonymized data will be stored on the Open Science Framework and will be publicly available.

11. When and to what group(s) will the results be reported?

Results will be published in the journal Advances in Methods and Practices in Psychological Science and may also be presented at a conference.

12. Describe ***how*** you will inform participants of all of the following: (a) the purpose and benefits of the research, (b) the risks of the research, (c) assurances of confidentiality of responses, (d) voluntary participation, and (e) how and to whom results will be disseminated. If using a Consent Form, please attach the form. If not using a Consent Form, provide the statements to be read or provided to the participants.

Participants will be informed of this through the informed consent form (see Appendix B).

CERTIFICATION by Principal Investigator:

By submitting this application, I am certifying that I have read, understand, and will comply with the policies and procedures of Avila University regarding human participants in research. I agree that I will notify and receive approval from the Avila University Institutional Review Board before any non-trivial changes are made to the project described in this request. I certify that all information submitted is accurate. My electronic submission of this form signifies my certification of this information.

Signature of Principal Investigator Date

CERTIFICATION by Faculty Supervisor (required for student projects only):

By submitting this application, I accept responsibility for assuring that procedures and materials follow the proposal as approved by the Institutional Review Board. Any awareness of violations will be reported to the Institutional Review Board. My electronic submission of this form signifies my certification of this information.

Signature of Faculty Supervisor Date

Institutional Review Board Action:

- ☐ **The following information is still needed:**
- ☐ **Project is not approved due to:**

Notification of additional needs sent to applicant: _____

- ☐ **Project is approved**

_____ _____

Signature of IRB Chairperson **Date**

02/00; 05/04, 5/10, 7/10, 11/10, 2/11, 5/18