Q51.
INSTRUCTIONS:
Welcome to the RWU Human Subjects Review Board (HSRB) application. This form should be completed for the following types of applications:

- NEW: You have never applied for HSRB approval for this research protocol.
- REVISED/APPEAL: You have already submitted this protocol for approval and the HSRB has requested edits/modified information.
- RENEWAL: This protocol was previously approved by the HSRB, but it has been more than one (1) year since the protocol ended/the protocol term limits have expired.

If you need to submit a Proposal/Protocol update for a study that has already been approved, please use the link to the Protocol Change Application. The link to this form is also located on the HSRB website HERE.

Q93.
Several questions on the survey require attachments, preferably as Microsoft Word (.doc, .docx) or Adobe Acrobat (.pdf) files. **You are encouraged to have these documents prepared in the appropriate format prior to your submission**.

Note: HSRB applications must have an identified RWU affiliate to be considered for review. If you are a student completing this application, be advised that you are required to identify an RWU faculty or staff as the Principal Investigator (PI) for the proposed study and will need to submit a letter of support as part of your application. The PI will be the primary contact for all correspondences.

Please address any questions regarding your application to hsrb@rwu.edu.

. Project title (recommended length of 12 words/24 characters or less)

Eyewitness Accounts: A Classic "Who Done It"

Q46. Your name:

Danya Cox

Q47. Your email:

dcox@rwu.edu

Q48. Your preferred name and/or title for email correspondences (example: Dr. Snow; Mr/Mrs/Ms Snow; Charlotte, Ng, Carlos, Charles):

Dr. Cox

. Your RWU affiliation:

- ○ Student (undergraduate or graduate)
- ○ Staff
- ◉ Faculty
- ○ I am not affiliated with RWU

. If an undergraduate or graduate student, please provide the name and email address of the RWU faculty or staff who will serve as the Primary Investigator and supervisor of your project .

This question was not displayed to the respondent.

Q51. Please attach a letter or email from your faculty/staff advisor confirming their approval of your research plan and HSRB application.

This question was not displayed to the respondent.

Q50. If you are not affiliated with Roger Williams University, please provide the name and email address of your RWU co-investigator(s).

This question was not displayed to the respondent.

. List all RWU and non-RWU co-investigators, their preferred names/titles, emails, and institutional affiliations (if non-RWU).

Example:
Charlotte Snow, Dr. Snow, Csnow@rwu.edu
Charles Snow, Charles, Charles.snow@gmail.com, Research Consortium of RI

Trevor Rossen, Trevor, trossen@rwu.edu Sylvia Awwad, Sylvy, sawwad@rwu.edu

. ***CITI Training certificates*** (required for all projects)
Please submit as a single file the certificates of all co-investigators and research assistants earned by completing the CITI Social and Behavioral Research Training course (www.citiprogram.org; instructions for available on the HSRB website).

CITI certification.pdf
19KB
application/pdf

. Type of application

- (●) New: You have never applied for HSRB approval of this research protocol.
- ( ) Revised application/appeal: You have already submitted this protocol for approval and the HSRB has requested edits/modified information.
- ( ) Renewal: This protocol was previously approved by the HSRB, but it has been more than one (1) year since the protocol ended/the protocol term limits have expired. (NOTE that additional information regarding the status of the original proposal may be requested).

Q55. Protocol number of the original HSRB application

This question was not displayed to the respondent.

Q56. Protocol number of the original HSRB application

This question was not displayed to the respondent.

. Type of project (check all that apply)

- [ ] Basic or Applied research (not classroom related; faculty/staff/student project, student thesis, Honors capstone)
- [x] Classroom project with research component (including projects at the individual, group, or classroom level)
- [ ]

Community engagement (surveys, interviews, and other data collected through collaborations with community partners)

- [ ] Program evaluation (pre and/or post surveys of program effectiveness)
- [ ] Assessment of teaching and learning
- [ ] Other

Q76. If "other", please describe how you would best classify your research project:

This question was not displayed to the respondent.

Q52. Course Prefix and number (e.g., PSYCH 440)

PSYCH 440

Q53. Course instructor's name and email (if different from the Principal Investigator)

see above

. Is this research being funded from an external source?

- (•) No
- ( ) Yes
- ( ) Pending/Under review

.

Type of Funding (Check all that apply)

This question was not displayed to the respondent.

Q98. Name of Funding Source (Agency, Organization, or Name of Foundation)

This question was not displayed to the respondent.

Q99. Grant/Project Title

This question was not displayed to the respondent.

Q54. Please attach a copy of your grant proposal and award letter (as a single file).

This question was not displayed to the respondent.

Q59. Briefly summarize the topic of your research and describe the research goals and/or hypotheses for your study.

This study investigates the accuracy of eyewitness testimony when a participant is under stress and presented with “leading” questions about a mock crime. The presence of misleading questioning can elucidate what’s known as the “misinformation effect” because eyewitness memory may become compromised or inaccurate regarding the details of an event (Sharman and Powell, 2011). Furthermore, stress present while encoding an event affects the accuracy of recall of information (Diamond et al., 2007). This is particularly important in the criminal justice system where the questioning of eyewitnesses and the accuracy of their statements is crucial in law enforcement.

Q62. OPTIONAL: If you prefer, you may upload a summary of your background literature, goals, and hypotheses here.

. Estimated sample size/number of participants

80

Q61. Describe the process of participant recruitment, including the target population(s). Be explicit regarding how researchers will recruit participants and obtain informed consent.

Participants will be drawn from a convenience sample at Roger Williams University. Eighty undergraduate students will sign up for the current study via the psychology research participation site, SONA. Students will be required to complete the current study in order to fulfill a research requirement for 100 and 200-level psychology courses and Core 103-level classes. They will have the option to decline research participation and complete article reviews for full credit.

Q63. Do any of the researchers have any existing or prior relationships or affiliations with any of the participants and/or with the community agencies or organizations from which participants will be recruited?

- (●) No
- ( ) Yes

Q64. Please describe any affiliations the researchers have with either the participants and/or with the community agencies or organizations from which participants will be recruited. Explain what steps will be taken to ensure the recruitment is non-coercive and any potential conflicts of interest are addressed.

This question was not displayed to the respondent.

. Research involving participants from outside RWU and that involves off-site data collection requires written permission from the cooperating institution.

Will you need permission from an agency, organization, or cooperating institution (other than RWU) to conduct this study?

- (●) No
- ( ) Yes

. Please attach a copy of an original letter or email of permission or support from the organization(s) from which you will be recruiting participants and/or conducting your study.

NOTE: If multiple organizations, the permissions can be uploaded as a single file or as separate files in the OPTIONAL FILE UPLOAD section of this HSRB application.

This question was not displayed to the respondent.

. Select all methods of data collection you will use to perform your research.

- [x] Survey: *You will distribute an electronic or paper survey to participants.*
- [ ] Archival: You will use information previously collected for another purpose and/or which is currently stored in a secure, restricted database.
- [ ] Ethnography/Observation/Participant Observation: *You will utilize methods that involve watching and/or interacting with your participants in a naturalistic environment.*
- [ ] Structured/semi-structured interviews: *You will use scripts or interviews to ask participants questions or solicit narrative accounts.*
- [x] Experiment/Quasi-experiment. *You are investigating the effects of different treatment conditions or protocols.*
- [ ] Other

. Provide a summary of the research protocol. This should include a description of the activities of BOTH the participants and the researchers. Please also specify the location(s) for any and all research activities.

If you prefer, you may upload a summary of your research methodology and/or debriefing protocols as an attachment below.

We will use a 2 (stress induction vs. nonstressful cognitive task) X 2 (question type: objective, leading) between-subjects design to examine how the combination of factors affects participants' memory recall accuracy of a video mock crime. Participants will be informed that they will be involved in a study exploring the accuracy of eyewitness accounts after witnessing a crime. This study will take approximately 30 minutes to complete. Both the study and the consent form will be administered in an online format through Qualtrics. After obtaining online informed consent, participants will complete the PHQ-4 Screening Scale for Anxiety and Depression (Kroenke, et al., 2009) by answering four questions relating to their current self-perceived levels of depression and anxiety. Participants will be randomly assigned to either the stress induction or a nonstressful control condition. Participants in the stress induction conditions will take a Stroop and Serial Subtraction Stress Induction task. The Stroop Test will be timed and participants will be asked to press a button that depicts the name of the color depicted in a different color. The serial subtraction task requires participants to perform a series of math computations (subtracting backwards from 1000 in increments of 7). Participants will then be informed that they did not perform well on the test, regardless of their score. After the induction task, all participants will answer a one question likert scale responding to their overall stress level. All participants will then watch a 1 minute and 24 second video depicting a fictional, non-violent armed robbery (link included in list of measures). Participants will then be given their randomly assigned question condition, leading or objective questioning. The objective questions are asked in an open-ended manner, while the leading questions are attempting to elicit a specific response (questions included in the list of materials). The accuracy of their responses to these questions will serve as the dependent variable. Following answering the eyewitness questions, the participants will be asked to answer two questions rating their confidence towards the accuracy of their answers. They will also complete questions related to their sleep quality, their diagnoses of any learning disabilities, and demographic variables. Following completion of the study, all participants will be thanked and debriefed for their participation. In the debriefing for those that receive the stress task, participants will be informed of the deception regarding their performance on the stress tasks.

Q66. OPTIONAL: Upload a summary of your research methodology and procedures here.

Q83. Please describe the archival data, its relevance to the proposed research project, and the process by which the researcher will access the raw materials and/or dataset.

NOTE: Any secondary analyses of an existing dataset should be outlined in the procedures section, below.

This question was not displayed to the respondent.

Q84. Does access to the data require additional permissions from individuals not affiliated with the current study (other RWU departments or other external agencies/organizations)?

This question was not displayed to the respondent.

Q85. Please attach a letter of support from the relevant parties authorizing access to the dataset

This question was not displayed to the respondent.

Q80. Please upload a copy of all interview materials (questions, focus group materials, discussion prompts, etc.) as a single attachment. The materials should be submitted precisely in the form that they will be experienced by participants (i.e., the exact questions or prompts participants will receive).

NOTE: If the interview materials will be translated into multiple languages, please upload a copy of each version, either here as a single pdf or in the OPTION FILE UPLOAD section at the end of this HSRB application.

This question was not displayed to the respondent.

Q79. Please upload a copy of all survey materials as a single attachment. The surveys should be submitted precisely in the form that they will be viewed by participants (i.e., as if the participant were taking the survey).

NOTE: If the survey will be translated into multiple languages, please upload a copy of each version of the survey, either here as a single pdf or in the OPTION FILE UPLOAD section at the end of this HSRB application.

FINAL_Measures.pdf
661.9KB
application/pdf

Q81. Please upload a copy of all experimental condition materials as a single attachment. The materials should be submitted precisely in the form that they will be viewed by participants (i.e., as if the participant were experiencing the protocol).

NOTE: If multiple attachments are required, or the protocol will be translated into multiple languages, please upload a copy of each version, either here as a single pdf or in the OPTION FILE UPLOAD section at the end of this HSRB application.

FINAL_Measures.pdf
661.9KB
application/pdf

Q67. If "other", please describe your additional data collection methods.

Attachments of supporting materials can be submitted in the OPTIONAL FILE UPLOAD section at the end of this HSRB application.

This question was not displayed to the respondent.

Q78. Please upload a copy of your informed consent. The informed consent must include the name and contact information for the Primary Investigator for the study. Templates of informed consent documents are posted on the HSRB website.

NOTE: If multiple consent forms are required (due to language translations, different sets of procedures, need for parental consent and child assent, etc.), you must upload a copy of each version of all consent/assent procedures. You may do so here as a single pdf file. or in the OPTIONAL FILE UPLOAD section at the end of this HSRB application.

Informed Consent.pdf
655.7KB
application/pdf

Q100. Will data be collected anonymously?
Definition of Anonymous: Collected in such a way that it can NEVER be associated with any individual including you as the researcher/PI. You will have no knowledge of which participant provided which data.

- (●) No
- ( ) Yes

. Will data be collected confidentially?
Definition of Confidential: You will protect your participants' identifying information from access by anyone besides yourself and any co-investigators.

- ( ) No
- (●) Yes

. Will you make video and/or voice recordings or take photos as part of the research protocol?

- (●) No
- ( ) Yes

. Please explain how data will be coded, and what steps will be taken to remove participants' identifying information and store data in a manner to ensure that no one can trace information back to a particular participant.

NOTE: If video or audio recordings will be used, provide details regarding what additional steps will be taken to secure the data and ensure confidentiality.

Data will be collected in such a way that no one, other than the researchers, will have access to the responses of the participants of the study. Participants' names will be collected to provide SONA credit but will be deleted from the dataset before analysis of data. This will ensure full confidentiality. Consistent with the guidelines of the American Psychological Association, data will be stored on the locked computer of the faculty member at least five years after the date of a potential publication.

Q60. Briefly summarize the plan for data management and data analysis. Include a description of how data will be coded (if not specified above) and how long data will be stored. Please also summarize preliminary plans for data analysis.

NOTE: If the proposal will access archival data, please specify how the data analyses will expand upon previous research with this dataset to qualify as a "new" research project.

Each DV will be analyzed in separate 2 (stress-induction vs. nonstressful control) X 2 (question type: objective, leading) ANOVAs. Fisher LSD post-hoc tests will be used to examine significant differences between means. We hypothesize that participants who receive the stress induction prior to witnessing the crime and are given leading questions during memory retrieval are less likely to recall accurate information than those in the other conditions.

Q73. Please describe any potential benefits of participating in the research study.

A potential benefit is that, based on the completion of the questionnaires, participants may come to have a better understanding of psychological research.

Q74. Will incentives be offered to individuals for their participation in the research study?

- (●) No
- ( ) Yes

Q75. Briefly describe any incentives and how they will be awarded to participants.

This question was not displayed to the respondent.

. According to the Office of Human Research Protections (OHRP), risk of harm as a result of participating in a study includes "physical, psychological, economic, or social harm." Does your study pose any potential minimal or significant risks to participants?

- ○ No, my study is not stressful and does not pose any potential risks.
- ◉ Yes, my study poses some potential risks and/or may be a potentially stressful experience.

Q71. Please describe any potential risks or stressors to the participants, and the steps that will be taken to minimize the stressors and/or address potential risk of harm to participants.

Participants may experience some distress triggered from watching the video of the mock armed robbery. However, it is made clear in the consent form that participants will view a fictitious video of an armed robbery and that there is a weapon shown in the video. The weapon is not used in the video and the victims are not physically harmed. Participants will be informed of this in the description of the study on SONA so that participants that might be more likely to be distressed may self-select out of the study Additionally, participants might experience distress from the stress induction tasks. However, this stress is likely to be brief in nature. During the debriefing, those Participants who received deception regarding their performance will be informed that the deception was used to induce stress and that the feedback was not based on their actual performance. In the debriefing form, participants will be given the Principal Investigator's email address and the contact information for the student counseling center should they need it.

. Please indicate any potentially vulnerable populations which will be recruited for your study, as defined by the Office of Human Research Protections (OHRP).
(check all that apply)

- ☐ Children (17 years or younger)
- ☐ Individuals at-risk due to identified or potential impairments (physical health, mental health, cognitive, etc.)
- ☐ Individuals who are incarcerated or previously incarcerated
- ☐ Individuals who are pregnant

- [ ] Elected or appointed officials or candidates for public office
- [ ] Other
- [x] None of the above

Q95. Describe the other potentially vulnerable populations included in this study.

This question was not displayed to the respondent.

Q94. Please explain what special precautions will be employed to protect research participants given their potential vulnerability to risks. It is recommended that researchers consult and directly reference OHRP Guidelines.

This question was not displayed to the respondent.

. Will your study require deception?

- (•) No
- ( ) Yes

Q69. Briefly explain why deception is necessary for this study. Explain what protocols will be utilized to debrief participants at the conclusion of the study, and what measures will be taken to ensure any potential negative effects of the deception are addressed.

This question was not displayed to the respondent.

Q70. Please provide a copy of the debriefing protocol to be used with your participants following the conclusion of the study.

This question was not displayed to the respondent.

Q92. Would you like to attach any additional documents to your application?

- (•) No
- ( ) Yes

Q87. OPTIONAL: Additional/supplemental materials

This question was not displayed to the respondent.

Q88. OPTIONAL: Additional/supplemental materials

This question was not displayed to the respondent.

Q89. OPTIONAL: Additional/supplemental materials

This question was not displayed to the respondent.

Q90. OPTIONAL: Additional/supplemental materials

This question was not displayed to the respondent.

Q91. OPTIONAL: Additional/supplemental materials

This question was not displayed to the respondent.

. **Statement of Ethics and Submission Certification** *(required final step in the application process)*

I have read the Roger Williams University Policy on Protection of Human Subjects and will comply with all of its ethical requirements. I certify that my research will include no other means for data collection beyond those that I have described in this application and have included in my materials. I certify that all the information in this application is truthful and that in the event any significant changes are made to this proposed study, I will inform the HSRB.

. I have read this certification and by submitting this application I agree to abide by all of its terms.

Please type your name in the area below

Danya Cox

Location Data

Location: (41.684204101562, -71.26490020752)

Source: GeoIP Estimation