UNSW Human Research Ethics Advisory Panel C: Psychology

Application Form – 2019

HREAP File No:

Sona No:

HREC No:

- You may not start data collection (e.g., advertising for your study and/or recruiting participants) until you receive an official approval letter from the Research Ethics & Compliance Support unit via email
- Additional forms can be downloaded from: http://www.psy.unsw.edu.au/research/research-resources

For a NEW project, submit one (1) signed copy of pp.1-7 plus attachments to the General Office.

Pro	iect	Title	•
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Classic studies in cognitive psychology	

Location of Study [e.g., Building and room number]: Mathews building, but data collection online

Declaration of Investigators:

I/we apply for approval to conduct the research. If approval is granted, it will be undertaken in accordance with the protocol described in this application and other relevant guidelines, regulations and laws.

I/we have read and understood the UNSW and School's Workplace Health and Safety policies and procedures that apply to this project, and undertake all appropriate training in Workplace Health and Safety as dictated by UNSW and School policy.

 $Students\ see:\ \underline{http://www.psy.unsw.edu.au/current-students/health-safety-students}$

Staff and others see: http://www.ohs.unsw.edu.au/ohs_training/index.html

Email Contact: [UNSW address required]	Date: 19/11/2019	SIGN
Investigators (including students) Name & Status*	UNSW email address	Signature
Jennifer Sloane, PhD student	j.sloane@unsw.edu.au	for the
*Status = Academic Staff, Post-doc, PhD student, MPsych	student, Honours student, Research Assistant	
ETHICS APPROVAL: As of	, the Human Research E	thics Advisory Panel C (Behavioral)
has recommended to the DVC (Research proceed. When granted, this is valid for		imal ethical impact, should
	Co-Convenors, HREA Panel C	, E J Kehoe/K Martire/K Faasse
	Reviewing Member Panel C, _	
	Head of School, Simon Killcro	SS

[1: You must have an ACTIVE SONA-1 RESEARCHER ACCOUNT in order to submit this application. If you need a researcher account, please email sona@psy.unsw.edu.au with the following information: 1. Indicate that you would like a researcher account, 2. Include your first and last name, 3. Include your preferred email address, and 4. CC your supervisor if you are a student.

You must receive an acknowledgement of this registration before submitting an application for both an allocation of Psychology 1 students and ethics clearance. Your application may be **delayed** if you fail to register for SONA before submitting the application.

Note that researcher account can be used across several projects — a new researcher account **not** required for every project.]

☑ Tick this box to indicate that you ARE REGISTERED on the SONA system

[2: For PREVIOUSLY APPROVED PROJECTS (i.e., you have an HREAP-C File Number), you may request additional Psychology 1 participants by completing the "Additional Participants Form" available at http://www.psy.unsw.edu.au/research/research-resources]

The privilege of using Psychology 1 students carries with it the following responsibilities:

- 1. You must promptly allocate credits to participants on SONA within 5 working days of a session, and no later than the Monday following the last week of the teaching term.
- 2. <u>You must</u> **debrief participants** with additional pedagogical information regarding your study in the following manner:
 - a. **See Item 6d** in the following application for details regarding the required content of the debriefing.
 - b. For face-to-face studies you must prepare answers to items listed under Item 6d and found on p.18 of this form. When conducting face-to-face debriefings, provide a printed handout to each participant, ask for questions, and then ask the participant to sign a debriefing log indicating that they received a satisfactory debriefing (see p.19 for a template register).
 - c. **For online studies** you must prepare answers to items listed under Item 6d and found on p.18 of this form. When conducting online debriefings, provide an electronic version of the answers to the questions, provide a point of contact for any questions, and ask participants to tick a box indicating that they have received the debriefing content.
 - d. Debriefing registers/responses should be retained by the researcher or academic supervisor, along with the signed consent forms.
- 3. All research participation, including all parts of multipart studies and debriefings, with students from first year psychology <u>must be</u> completed by 12 midnight on the Friday of the last week of term.

[Continue to NEXT PAGE for requesting and allocating Psychology 1 student participants]

Request for allocation of Psychology 1 Participants (cont.)

Duration [in 15 min increments – minimum of 15 minutes; If **MORE** than 1 hour provide your **justification** in the box below]

PART 1	PART 2	Home- or Pre- Work
Click here to enter	Click here to enter	Click here to enter
text.	text.	text.

Click here to enter text.

Requested Credit Per Participant [in 0.25 increments – minimum: 0.5 point for inperson, 0.25 for online; for multipart studies state credit per part, see also Home / Pre-

PART 1	PART 2	Home- or Pre- Work
Click here to enter	Click here to enter	'Additional'
text.	text.	Credit here

Work Policy p.11 and the 'Additional Points' guide p.12]

Requested Number of Participants [In total]: Click here to enter text.

Total Requested Hours [= Credit Per Participant X Number of Participants]: NA

If Total Requested Hours is MORE than 100 HOURS provide justification below

-	$oxed{uctions}$ [Describe below; Optional; Indicate tasks participants will need to do or not d
prior to arriving at	the study]:
NA	
Eligibility Criteri	a [Describe below; Optional; <i>Note</i> this is NOT based on pre-screening]
NA .	7 1 7
INA	

Brief Description of Study [Describe below; **Required**; Indicating the overall purposes and what the participants will be asked to do; **STRICTLY** no more than **245 characters** (including spaces and punctuation) If your study is a two- part study you **must** include this fact in the 245 characters. Student participants will view this information before signing up for the study. **Your application will be returned**

to you and may encounter a two-week delay if your description exceeds the 245-character limit]

This study aims to investigate some of the most popular and classic cognitive psychology studies. Participants will complete a series of 3 computer-based cognitive tasks and questionnaires.

Character Count [including spaces and punctuation]: Click here to enter text.

☑ Tick this box to DECLARE that your description contains 245 CHARACTERS or fewer.

THE UNIVERSITY OF NEW SOUTH WALES Human Research Ethics Advisory Panel (HREAP) C - APPLICATION FORM

IMPORTANT: please follow [instructions], answer ALL questions, and attach documentation where required

1. Investigator's School/Unit/Centre: Psychology

Investigators	Family	First Name and	UNSW	UNSW Email	Phone/Mobile	Status *
	Name	Title	ZID			
Chief	Most	Steve, Senior		s.most@unsw.edu.au	02 9385 3827	staff
Investigator/		Lecturer				
Supervisor						
Investigator	Sloane	Jennifer, PhD	5189893	j.sloane@unsw.edu.au	0452269787	PhD student
		Student				
Investigator						
Investigator						
Investigator						

^{*}Status = Academic Staff, Post-doc, PhD student, MPsych student, Honours student, Research Assistant

2. Project Title:

Classic studies in cognitive psychology

[In answering the following questions, please be guided by both the instructions accompanying each question and the 2007 National Statement on Ethical Conduct in Human Research: html version; pdf version]

Project Description: [Please provide a description of the project (300 word max) in the text box 3. below. This description should briefly summarise the aims and general hypotheses. However, for reaching a judgment about the ethics of the project, this description should focus on what will happen to the participants (i.e., a summary of the procedure). Think about what the participant will be exposed to. Please attach a copy of questionnaires and/or example of other stimulus materials, where feasible].

This project aims to teach high school students about cognitive psychology through hands-on experience generating hypotheses and collecting data. Participants will be recruited through Amazon's Mechanical Turk's platform. All participants will complete a few classic cognitive psychology experiments online, such as the flanker task (indicate which way an arrow is facing when it is flanked by other arrows pointing in the same or opposite direction), logic-puzzle questions similar to what's known as the "cognitive reflection test", and a random dot motion paradigm (indicate if the majority of the dots are moving to the left or the right). Each task will take between 2-10 minutes. After participants finish the cognitive tasks, they will complete a few demographic questions and short, well-established questionnaires on impulsivity, self-control, and personality traits (i.e., the Big 5; questionnaires are attached below). In total, the study is expected to take no longer than 30 minutes for each participant. These data are being collected in the service of a science extension class for senior high school students offered at UNSW. From the de-identified data, the enrolled student (N=about 6) will generate hypotheses, and they will conduct appropriate analyses.

4.	Risks greater than discomfort to Participants and/or Investigators a. Is there a plausible risk greater than discomfort, either physical,	4a. □YES	⊠nc
	psychological, social, cultural or financial? [See National Statement: 1	та. <u>ПТЕ</u> З	
	Principles; Regarding DECEPTION should be addressed under Item 9]		
	b. Are there plausible risks greater than discomfort to researchers?	4b. YES	\boxtimes NC

c. Have you read the guidelines for managing distressed participants?

4c.	\boxtimes	YES		NO
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NA

Questionnaires and other material

Barratt Impulsivity Scale (30 Items)

Scale: "Rarely/Never", "Occasionally", "Often", "Almost Always/Always"

- 1. I plan tasks carefully
- 2. I do things without thinking
- 3. I make-up my mind quickly.
- 4. I am happy-go-lucky.
- 5. I do not "pay attention.
- 6. I have "racing" thoughts.
- 7. I plan trips well ahead of time.
- 8. I am self-controlled.
- 9. I concentrate easily
- 10. I save regularly.
- 11. I "squirm" at plays or lectures.
- 12. I am a careful thinker.
- 13. I plan for job security.
- 14. I say things without thinking.
- 15. I like to think about complex problems.
- 16. I change jobs.
- 17. I act "on impulse".
- 18. I get easily bored when solving thought problems.
- 19. I act on the spur of the moment.'
- 20. I am a steady thinker.
- 21. I change residences.
- 22. I buy things on impulse.
- 23. I can only think about one problem at a time.
- 24. I change hobbies.
- 25. I spend or charge more than I earn.
- 26. I often have extraneous thoughts when thinking.
- 27. I am more interested in the present than the future.
- 28. I am restless at the theater or lectures.
- 29. I like puzzles.
- 30. I am future oriented.

Brief Self-Control Scale (13 items)

Scale: "1: Not at all", "2", "3", "4", "5: Very Much"

- 1. I am good at resisting temptation.
- 2. I have a hard time breaking bad habits.
- 3. I am lazy.
- 4. I say inappropriate things.
- 5. I do certain things that are bad for me, if they are fun.
- 6. I refuse things that are bad for me.
- 7. I wish I had more self-discipline.
- 8. People would say that I have iron self-discipline.
- 9. Pleasure and fun sometimes keep me from getting work done.
- 10. I have trouble concentrating.

- 11. I am able to work effectively toward long-term goals.
- 12. Sometimes I can't stop myself from doing something, even if I know it is wrong.
- 13. I often act without thinking through all the alternatives.

Big 5 Personality Questionnaire - Short (15 items)

Scale: "Disagree strongly", "Disagree a little", "Neither agree nor disagree", "Agree a little", "Agree strongly"

- 1. Worries a lot
- 2. Gets nervous easily
- 3. Remains calm in tense situations
- 4. Is talkative
- 5. Is outgoing, sociable
- 6. Is reserved
- 7. Is original, comes up with new ideas
- 8. Values artistic, aesthetic experiences
- 9. Has an active imagination
- 10. Is sometimes rude to others
- 11. Has a forgiving nature
- 12. Is considerate and kind to almost everyone
- 13. Does a thorough job
- 14. Tends to be lazy
- 15. Does things efficiently

Example of Cognitive Reflection-like question: "Jerry received both the 15th highest and the 15th lowest mark in the class. How many students are in the class?" (29, 30, 31)

5a. □YES ⊠NO

6a. ⊠YES □NO

study?	
b. Are participants in a dependent relationship with the Investigator (e.g., teacher-student)?	5b. □YES ⊠NO
c. Will participants be offered an inducement to encourage their involvement?	5c. ⊠YES □NO
[If you answered YES to any of these questions (5a-c) please describe recruited and how other issues are to be resolved below. Please <u>attach</u> and posters . The credit offered to Psychology 1 students is considered and	any recruitment advertisements
Participants will be reimbursed at the equivalent of minimum we (\$15USD/hour).	age in Los Angeles in 2020
d. Will you be using Psychology 1 participants?	5d. □YES ⊠NO
[If you answered YES provide responses to the debriefing questions list should provide participants with a debriefing handout based on the Ter handout should be discussed with participants during a 5-10 minute ma each session. (1) What kind of study is it, e.g., descriptive, correlational? (2) What are the independent variables? How are you operationalizing them (3) What are the dependent variables that were measured? How are you operated to the confounding variable and how have you attempted to the student some potential ethical issue, and how has the experimenter atterm this points of the career path to research the confounding variable and the career path to research the points of the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some idea of the career path to research the student some id	mplate on p.13 of this form. This indatory debriefing at the end of m? m? perationalizing them? ed to control for it? mpted to resolve it? ng this research? e.g., include a few
Click to answer debriefing questions here	
e. Will you be using participants who are NOT Psychology 1 student	s? 5d. YES NO
[If you answered YES provide a description of how those participants we Among other things, please indicate the targeted sample size, places we reimbursement, your recruiting advertisements, any personal approach the target population. Recruiting advertisements should be attached]	here you will recruit, rate of any
Participants will be recruited through Amazon's Mechanical Turk platfor receive monetary compensation for their time and participation. The tasks Intelligence Tasks' (HITs). We are aiming of recruiting 100 MTurk works Approval Ratings greater than 95%. Participants will be compensated \$7.50	are what Amazon calls 'Human ers from the US who have HIT
6. Informed Consent and Debriefing: [See National Statement: Se	ctions 1, 6, 14, 15 and 16]

5. Recruitment of Participants: [See National Statement: Sections 4, 5, 6, 7, 8 and 9.

a. Is there any possibility of coercion of participants to enroll in the

[If you answered **NO**, please justify why not. If you answered **YES** <u>attach</u> **Participant Information Sheet(s)** and **Consent Form(s)** prepared in *close accordance* with the **HREC proforma**.]

a. Will you seek written informed consent from participants?

Since thi	s stu	ıdy wil	be cond	ducted	online via	Mecl	nanica	l Turk,	we will	be asking	for participant	ts' conse	ent
through	an (online	version	of the	Universit	y of	New	South	Wales'	Participant	Information	Sheet.	Ву
pressing	'acc	ept' at	the bott	om of t	he online	page,	they	are pro	oviding (consent to p	participant in t	he stud	у.

b. Will you be providing a debriefing?

6b.	YES	\boxtimes NC

[If you answered **NO**, please justify why not **below**. If you answered **YES** please **describe** the debriefing **below**. Note: Debriefing is MANDATORY whenever Psychology 1 students (see Item 6d) and/or deception (see Item 10) are used.]

This study does not involve Psychology 1 students and there is no deception or any known risk factors from completing simple decision-making tasks. As a result, there is no need to debrief participants. However, participants are invited in the participants information statement to contact the named researchers (Most, Sloane) if they have any questions.

- 7. Privacy, Confidentiality, Anonymity: [See National Statement: Section 17]
 - a. Is there a requirement for the researchers to identify, collect, use, or 7a. **YES NO** disclose information of a personal nature (either identifiable or potentially identifiable) about individuals without their consent?

[This question primarily concerns situations covered by the *Privacy Act*, in which you are collecting information from databases kept by third parties such as government departments or human resource departments in a business. If you do wish to obtain data about identifiable individuals from such data bases, please complete the **HREA Panel Privacy Form**.]

b. Is there a possibility of participants being inappropriately identified 7b. **YES NO** or confidential data being divulged during or after the research has taken place?

[If you answered **YES** please **describe** the measures you will take **below** to ensure privacy, confidentiality and anonymity are preserved. One favoured measure is to irretrievably strip the names and other identifying information from the data records.]

Click to answer here if YES for 7b

c. Please complete the table below regarding storage of research data and materials. Please ensure this is compliant with the *UNSW Handling Research Material & Data Procedure*

Estimated date

			Name	securely	restricted	of data destruction (NB* Data must be stored for a minimum period of 5 years after
	Hard Copies (add additional rows for multiple					publication)
	locations) Electronic Copies (add additional rows for multiple locations)	Mathews Building, UNSW. Also see column about access restrictions for de- identified data.	Mathews, Psychology Shared O:\ drives	Standard security measures in place, Jonathan Solomon guards it. Also see column about restrictions for de- identified data	Because this study is being run primarily for a science extension course for high school students, the students will be allowed to bring the de-identified data home to analyse (e.g., on their laptops). There will be no way for these data to be linked with any individual participant.	Data will not be destroyed
	Audio/Visual (add additional rows for multiple locations)					
	participants b. Is it necessar	sary in your reses? [e.g., audiotap ary to use records to either question	es, videotapes] s or database info	ormation?	8b. □Y	YES ⊠NO
Click	to answer here i	f YES for 8a or b				
9.	Deception/Limi	ted Disclosure/I	Debriefing: In y	our research, is it	t necessary to:	
	a. deceive the	e participants?		9a. □YE S	S NO	
partion Pleas	National State cipants and/or e note that if the	they are intenti	n' is defined vonally misled a ves deception, the	where relevant in bout procedures ne project must l	material is with and/or purpos	held from research es of the research. he Human Research
'Limi resea		refers to not disc	closing to resear	ch participants a	ll of the aims and	d/or methods of the
NA						
10.	New Funding and	Conflicts of Int	terest:			

10.

Data Type

Campus/Location

Building/Server

How is data stored

How is access

- Is the research being funded by an agency outside the University of 10a.

 YES

 NO a. New South Wales?
- Is there any conflict of interest (including financial gain) likely to 10b. □YES ⊠NO b. result from this project?

[If you answered **YES** to either of these questions, please provide **details** below and **attach** documentation. Note: Externally-funded projects that are of minimal ethical impact can be approved by the HREAP].

Click to answer here if YES for 10a or 10b

11. Organisations other than the University of New South Wales:

a. Are there organisations other than UNSW or another collaborating 11a. **YES NO** university involved in this research?

[If you answered YES, please provide details below. Please attach a letter of support for the research from the organization. Provisional approval can be given pending receipt of a letter of support.]

Click to answer here if YES for 11a

12. Publications and Disseminations of results:

a. Please detail how the research results will be reported/published and how the results will be reported back to the participants of the study.

If the results of this research are published, the data will be de-identified and anonymous. If individual level analyses are required, we will refer to participants by subject number. If participants wish to know the offered be about results. they will be the chance to contacted via email.

School of Psychology



PARTICIPANT INFORMATION STATEMENT AND CONSENT FORM

Classic Studies in Cognitive Psychology Chief Investigator – Steve Most Experimenter – Jennifer Sloane

1. What is the research study about?

You are invited to take part in this research study. The research study aims to learn about decision-making from some of the most classic cognitive psychology experiments. You have been invited because you responded to a Human Intelligence Task (HIT) on Amazon's Mechanical Turk platform.

2. Who is conducting this research?

The study is being carried out by the following researchers: Steve Most and Jennifer Sloane from the School of Psychology

Research Funder: This research is being funded by the UNSW School of Psychology and by the SciX program through UNSW's Faculty of Science.

3. Inclusion/Exclusion Criteria

Before you decide to participate in this research study, you should meet the following criteria:

• Not have participated in this exact study before

4. Do I have to take part in this research study?

Participation in this research study is voluntary. If you do not want to take part, you do not have to. If you decide to take part and later change your mind, you are free to withdraw from the study at any stage.

5. What does participation in this research require, and are there any risks involved?

If you decide to take part in the research study, we will ask you to make responses and decisions in computer-based tasks. It should take no longer than 30 minutes to complete.

We don't expect this research to cause any harm. Please let the researchers know if you need any assistance for any reason.

6. Total participation time

In total, participation in this study will require 25-30 minutes. This will include completing consent, the cognitive tasks, demographic survey, and questionnaires all in one session.

7. Recompense to participants

You will receive \$7.50 (30 minutes) as recompense for your participation.

8. What are the possible benefits to participation?

We cannot promise that you will receive any benefits from this study, but we hope to use the findings from this study to better understand human decision-making.

9. What will happen to information about me?

The information that you give us will be kept indefinitely after the project's completion. We will store your data in a non-identifiable digital format in private folders on UNSW computers.

Information collected for this research project may be made available to other research projects, and/or published in a scientific journal. If this is the case, all data will remain de-identified (no one will know who you are).

Researchers at UNSW are requested to store their aggregated research data in the UNSW data repository, this is a system called ResData. If the aggregated data are deposited into this repository, they will be retained in this system permanently, but in a format where your data will not be individually identifiable.

10. How and when will I find out what the results of the research study are?

The research team may publish and/ report the results of the research study in a variety of ways. All information published will be done in a way that will not identify you. If you would like to receive a copy of the results you can let the research team know by emailing Steve Most or Jennifer Sloane (s.most@unsw.edu.au, j.sloane@unsw.edu.au). We will only use these details to send you the results of the research.

11. What if I want to withdraw from the research study?

If you do consent to participate, you may withdraw at any time. You do not have to give any reason for withdrawing. To withdraw once the study has begun, you can simply close the program on your computer. To withdraw after you have finished (i.e., if you want to withdraw your data from any analyses), please e-mail the researchers with your worker ID number.

Your decision not to participate or to withdraw from the study will not affect your relationship with UNSW Sydney. If you decide to withdraw from the research study, the researchers will not collect additional information from you.

12. What should I do if I have further questions about my involvement in the research study?

If you require further information regarding this study or if you have any problems which may be related to your involvement in the study, you can contact the following member/s of the research team.

What if I have a complaint or any concerns about the research study?

If you have a complaint regarding any aspect of the study or the way it is being conducted, please contact the UNSW Human Ethics Coordinator:

Complaints Contact

Position	UNSW Human Research Ethics Coordinator				
Telephone	+ 61 2 9385 6222				
Email	humanethics@unsw.edu.au				
HC Reference	[INSERT HC reference number] or HREAP-C File Number, as				
Number	relevant.				

Consent Form - Participant providing own consent

Declaration by the participant

- ✓ I understand I am being asked to provide consent to participate in this research study;
- ✓ I have read the Participant Information Sheet or someone has read it to me in a language that I understand;
- ✓ I understand the purposes, study tasks and risks of the research described in the study;
- ✓ I provide my consent for the information collected about me to be used for the purpose of this research study only.
- ✓ I have had an opportunity to ask questions and I am satisfied with the answers I have received;
- ✓ I freely agree to participate in this research study as described and understand that I am free to withdraw at any time during the study and withdrawal will not affect my relationship with any of the named organisations and/or research team members:
- ✓ I understand that if I have any inquiries I can contact the researchers via email.
- ✓ I understand that because this is an online study, I am consenting and agreeing to participate by clicking the "I agree" button on the consent form.

PARTICIPANT CONSENT

By continuing, you are making a decision whether or not to participate. Clicking the button below indicates that, having read the information provided on the participant information sheet, you have decided to participate.

I agree

To withdraw your consent, simply close the browser tab and return the HIT. Your data will be deleted from our records.

Declaration by Researcher*

✓ I have given a verbal explanation of the research study, its study activities and risks and I believe that the participant has understood that explanation.

Researcher Signature*

Name of Researcher (please print)	Jennifer Sloane
Signature of Researcher	ferf Al
Date	19/11/2019

[†]An appropriately qualified member of the research team must provide the explanation of, and information concerning the research study.

Note: All parties signing the consent section must date their own signature.

Form for Withdrawal of Participation

For studies that go beyond a single session

I wish to **WITHDRAW** my consent to participate in this research study described above and understand that such withdrawal **WILL NOT** affect my relationship with The University of New South Wales. In withdrawing my consent I would like any information which I have provided for the purpose of this research study withdrawn.

Participant Signature

Name of Participant	
(please print)	
Signature of Research	
Participant	
Date	

The section for Withdrawal of Participation should be forwarded to:

CI Name:	Jennifer Sloane
Email:	j.sloane@unsw.edu.au
Phone:	0452269787
Postal Address:	Mathews Building, UNSW, Kensington, NSW 2052