

The University of Arizona Consent to Participate in Research

Study Title:

The explore-exploit dilemma in human decision making: behavioral and pupillometric experiments

Principal Investigator:

Robert Wilson

Sponsor:

Robert Wilson

This is a consent form for research participation. It contains important information about this study and what to expect if you decide to participate. Please consider the information carefully. Feel free to discuss the study with your friends and family and to ask questions before making your decision whether or not to participate.

You may or may not benefit as a result of participating in this study. Also, as explained below, your participation may result in unintended or harmful effects for you that may be minor or may be serious, depending on the nature of the research.

1. Why is this study being done?

The purpose of this study is to learn how humans tradeoff information and reward when making decisions.

2. How many people will take part in this study?

About 2000 people. The number of participants in each experiment will vary from 20 to over 200.

3. What will happen if I take part in this study?

After signing up for the experiment, you will receive a subject ID and a link to a website for completing a series of questionnaires. This is your first session. For the second session, you need to attend the lab in person. You will be taken into one of the two behavioral running rooms and seated at a computer. There you will put on headphones. We may also track your eyes using a special camera called a pupillometer. This uses infrared light to measure where you are looking and the size of your pupils. This is completely non-invasive and carries no risk. After setup is complete you will perform a behavioral task on the computer and may, in addition, also answer some questions.

4. How long will I be in the study?

The experiment will last up to 60 minutes per session for each of the online session and in-lab session.

5. Can I stop being in the study?

Your participation is voluntary. You may refuse to participate in this study. If you decide to take part in the study, you may leave the study at any time. No matter what decision you make, there will be no penalty to you and you will not lose any of your usual benefits. Your decision will not affect your future relationship with The University of Arizona. If you are a student or employee at the University of Arizona, your decision will not affect your grades or employment status.

6. What risks, side effects or discomforts can I expect from being in the study?

The things you will be doing carry no more risk that you would come across in everyday life. The experiment involves sitting at a computer for an hour answering questions and making decisions between different options. In some studies we may also track your eyes using an eyetracker. This uses a special camera and infrared light to measure the location of your gaze and the size of your pupils. There are no known risks associated with eyetracking.

Although we have tried to avoid risks, you may feel that some questions [or procedures] we ask you to do may be stressful or upsetting. If this occurs you can stop participating immediately.

7. What benefits can I expect from being in the study?

You will not receive any benefit from taking part in this study.

8. What other choices do I have if I do not take part in the study?

You may choose not to participate without penalty or loss of benefits to which you are otherwise entitled.

9. Will my study-related information be kept confidential?

Efforts will be made to keep your study-related information confidential. However, there may be circumstances where this information must be released. For example, personal information regarding your participation in this study may be disclosed if required by state law.

Also, your records may be reviewed by the following group (as applicable to the research):

- The University of Arizona Institutional Review Board or Office of Responsible Research Practices

10. What are the costs of taking part in this study?

Aside from your time there are no costs to taking part in this study.

82 **11. Will I be paid for taking part in this study?**

83 If you are participating in partial fulfillment of the requirements for PSY150A or to earn
84 extra credit in another psychology class, you will receive experiment participation credit
85 at the rate of 1 credit per half hour of time. In some experiments, subjects receiving credit
86 may have an opportunity for receiving pay in addition to getting experimental credit.
87 Subjects will have a one in four chance of being paid based on the drawing of a card (the
88 ace wins). Subjects will have the chance of winning between \$11-85. The amount earned
89 will be determined by the random drawing of a number which corresponds to a question
90 answered during the questionnaire battery. If you are not participating in return for credit,
91 you will be paid at a rate of \$10 per hour for your participation in this experiment and a
92 bonus of up to \$3 depending on your performance in the task. The maximum possible
93 compensation for one session is \$85. By law, payments to subjects may be considered
94 taxable income.

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97 **12. What happens if I am injured because I took part in this study?**

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99 If you suffer an injury from participating in this study, you should seek treatment. The
100 University of Arizona has no funds set aside for the payment of treatment expenses for
101 this study.
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104 **13. What are my rights if I take part in this study?**

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106 If you choose to participate in the study, you may discontinue participation at any time
107 without penalty or loss of benefits. By signing this form, you do not give up any personal
108 legal rights you may have as a participant in this study.
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110 You will be provided with any new information that develops during the course of the
111 research that may affect your decision whether or not to continue participation in the
112 study.
113

114 You may refuse to participate in this study without penalty or loss of benefits to which
115 you are otherwise entitled.
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117 An Institutional Review Board responsible for human subjects research at The University
118 of Arizona reviewed this research project and found it to be acceptable, according to
119 applicable state and federal regulations and University policies designed to protect the
120 rights and welfare of participants in research.
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123 **14. Who can answer my questions about the study?**
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For questions, concerns, or complaints about the study you may contact the Principle Investigator, **Robert Wilson** at bob@email.arizona.edu.

For questions about your rights as a participant in this study or to discuss other study-related concerns or complaints with someone who is not part of the research team, you may contact the Human Subjects Protection Program at 520-626-6721 or online at <http://rgw.arizona.edu/compliance/human-subjects-protection-program>.

If you are injured as a result of participating in this study or for questions about a study-related injury, you may contact **Robert Wilson** at 203-313-2962 bob@email.arizona.edu.

Signing the consent form

I have read (or someone has read to me) this form, and I am aware that I am being asked to participate in a research study. I have had the opportunity to ask questions and have had them answered to my satisfaction. I voluntarily agree to participate in this study.

I am not giving up any legal rights by signing this form. I will be given a copy of this form.

Printed name of subject

Signature of subject

Date and time

AM/PM

Investigator/Research Staff

I have explained the research to the participant or the participant's representative before requesting the signature(s) above. There are no blanks in this document. A copy of this form has been given to the participant or to the participant's representative.

Printed name of person obtaining consent

Signature of person obtaining consent

Date and time

AM/PM