



CONSENT FORM

Project title: Stimulus-Response Compatibility and Road Safety

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Introduction

We invite you to take part in a research study that is described below. Your participation in this study is voluntary and you may withdraw from the study at any time. This description tells you about the risks, inconvenience, or discomfort that you may experience. You should discuss any questions you have about this study with the lead researcher listed above.

Purpose and Outline of the Research Study

In the real world, sometimes task-irrelevant information leads to the activation of thoughts that may interfere with the correct response. Our study is about two such situations that might arise during driving. Indeed, it utilizes the concept of stimulus response compatibility – consistency between an observation and the consequent response – to investigate a potential design flaw on the mini-countryman vehicle. This will be made obvious after experiencing a few trials from the experiment during practice.

Who Can Take Part in the Research Study

Anyone with normal or corrected-to-normal vision and hearing, without any psychiatric or neurological disorders which may influence the components of attention we intend to investigate, may partake in this experiment. If you are aware of any such condition that may apply to you, we request that you opt-out of allowing your data to be used for research purposes. You can opt-out by selecting “Observer Status” at the beginning of the experiment.

What You Will Be Asked to Do

The study will take place in-person in the Klein Lab or Group Testing Room. You will be asked to indicate – via speeded button press responses – the direction of arrows on road signs and the direction of the turn or lane change that the “car” in front of you is indicating.

This study will take no more than one hour to complete. More detail about the task will be

provided to you before you begin the study. At the conclusion of the testing session, you will be provided a form that will explain the study in detail, including a description of the results we hope to find. You may email the researchers listed on this form at any time to ask a question about the study.

Possible Benefits, Risks and Discomforts

There is minimal risk associated with this study. There are no known risks for recording computer task data beyond possible fatigue. Your participation is beneficial to the scientific community, as the data we gain may help improve our understanding of how stimulus-response compatibility can be applied to enhance the safety of vehicle designs.

Compensation / Reimbursement

You will be compensated with 0.5 SONA credit points per ½ hour of your participation.

How your information will be protected:

Neither your name nor any other personal identifier will be associated with the data we collect from you. Instead, your data will be identified with a code number. Additionally, you will not be identified in any reports or publications that stem from this research. Your confidentiality will be respected. Following completion of the study, the dataset generated by this study will be made publicly available online as part of the open science movement to advance knowledge. This public dataset will use the anonymous code number described above and will not contain your name or identifying information.

Your signed copy of this document will be printed and stored in a cabinet in Dr. Klein's laboratory, and the email will be deleted.

If You Decide to Stop Participating

You are free to leave the study at any time, however, after you have participated in the study, we will not be able to remove your data because it will already be anonymized.

How to Obtain Results

If you would like to obtain a short description of the group results when the study is finished, please send Fiona Burns-Hemingway an email at fiona.bh@dal.ca. No individual results will be provided.

Study Funding

This study is funded by an NSERC award.

Questions

If you have any questions about the study, at any time, you may contact us by phone at (902) 494-6551 or by email at fiona.bh@dal.ca. If you have any ethical concerns about your participation in this research, you may also contact Research Ethics, Dalhousie University at (902) 494-1462, or email: ethics@dal.ca.



- **Participants Must Read And Sign This Form To Confirm That They Understand And Accept Conditions Before Experiment Can Begin**
- **Participants Must Be Given A Copy Of This Form For Their Information And Records**

Feel free to address any questions you may have about the study to the Principal Investigator / Researcher either now, or after you have participated.

Study Title

Name of Principal Investigator

Research Supervisor (if different from PI)

Contact Person (if different from PI)

Address

Telephone

Email

Psychology Department Subject Pool Policy

Individuals with specific ethical concerns should contact either the Research Supervisor or a member of the Human Research Participants & Ethics Committee of the Department of Psychology & Neuroscience, Tel: 902.494.1580, email psych.ethics@dal.ca.

Please sign below to confirm that you have had your questions answered to your satisfaction, that you are aware that all records are entirely confidential and that you may discontinue participation at any point in the study.

If you anticipate receiving educational credit points for assisting in this research, you may choose to do so as either a **Research Participant** or as an **Observer**.

If you choose to be a Research Participant, the researcher will keep your data and use it in the research project.

If you choose to be an Observer, the researcher will destroy any data that you may have provided, after you complete the study.

Please check one box below to indicate whether you choose to be a Research Participant or an Observer.

☐

Research Participant
(Use my data)

☐

Observer
(Destroy my data)

Participant's Signature:

Date:

Researcher's Signature:

Date: