



## EXPLANATORY STATEMENT

### Memory Menu: Adaptive Highlighting for Visualisations LR CF15/4618 – 2015001989

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You are invited to take part in this study. Please read this Explanatory Statement in full before deciding whether or not to participate in this research. If you would like further information regarding any aspect of this project, you are encouraged to contact the researchers via the phone numbers or email addresses listed above.

#### What does the research involve?

The aim of the study is to determine whether it's helpful to provide human interactors with a visual overlay of which items they have selected and how frequently they have selected those items in a menu.

If you accept to participate, the study will ask you some questions so we know your age, gender, first language, profession and tiredness. This is so we can identify whether we've tested the menu on a broad enough range people and to eliminate variables (such as technical proficiency or tiredness) which may arise.

Once you provide this information we'll give you a practice menu to become familiar with and then test a menu with highlighting and without highlighting and ask quick questions after each test with an opportunity to provide your own notes at the end.

We expect this study should take between 10min to 15min of your time.

#### Why were you chosen for this research?

Given the ubiquity of digital visualisations, we've aimed to keep participation open to anyone capable and willing to complete the study. You're here because you responded to one of our direct posts or advertisements, or have been referred to the link via your own social networks.

#### Consenting to participate in the project and withdrawing from the research

The consent process involves reading the information we've provided you, including this explanatory statement document and clicking the "Agree" button on the first page of our online study.

You're under no obligation to complete the study and at any time you may withdraw. Your data will not be recorded until you've completed the final questionnaire and see the submission confirmation page. Responses are anonymous and data collected (once you see the submission confirmation page) cannot be withdrawn.

#### Possible benefits and risks to participants

This study is regarded as low-risk and has been designed to have minimal impact—we won't ask you to do anything complicated and the study runs long enough to give us what we believe is enough data in strict accordance with the purpose of this study.

We anticipate this study to pave the way for visualisations which actively support interactors memory as they use visualisations. By participating you're helping us validate the quality of our design solution through a strict experimental procedure.

As a benefit, participants that complete the study are eligible to win one of two prizes. See "payment" below for details.

### **Payment**

Participants that complete the study will have the opportunity to provide their email address to go in the running to win one of two \$50 AUD (or equivalent in your local currency) gift cards. Two randomly picked participants' email addresses will be drawn and prizes will be awarded shortly after data collection has concluded.

### **Confidentiality**

You will not be asked to disclose personal details. To preserve anonymity, contact details obtained for the purpose of giving out prizes are not associated with data collected from the study and will be destroyed once the prizes have been sent out to the winners.

### **Storage of data**

Data will be stored on a secure virtual private server while the study is online. Once public data collection concludes it will be transferred to a secure private computer. Once the data is no longer required, digital and any physical reproductions will be securely destroyed. A report of the study may be submitted for publication (refer to "results" below), but individual participants will not be identifiable in such a report.

### **Results**

Results may be published in a thesis, journal article, book or book chapter, conference or web page authored or co-authored by the PhD student (Domenico Mazza).

### **Complaints**

Should you have any concerns or complaints about the conduct of the project, you are welcome to contact the Executive Officer, Monash University Human Research Ethics (MUHREC):

Executive Officer  
Monash University Human Research Ethics Committee (MUHREC)  
Room 111, Building 3e  
Research Office  
Monash University VIC 3800

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Thank you,

**Dr Tim Dwyer**