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PARTICIPANT INFORMATION SHEET

Effects of Simple Game Mechanics and Test Location on Data and Subjective Engagement in Cognitive Testing Ethics Number: 22421

Jim Lumsden

You are being invited to take part in a research study. Before you decide, it is important for you to understand why the research is being done and what it would involve. Please take time to read the following information carefully and discuss it with others if you wish. Ask us if there is anything that is not clear or if you would like more information. Take time to decide whether or not you wish to take part and remember that your participation is voluntary.

What is the purpose of the study?

This study aims to investigate the effect of adding game-like features to a psychological test. How does the data change? Do participants rate the task differently? Our secondary aim is to investigate the impact of testing participants online, rather than in a laboratory.

Why have I been invited?

You have been chosen because you have enquired about our studies and requested to receive this further information following reading the summary version described in the study advertisement.

Do I have to take part?

It is up to you to decide whether or not to take part. If you do decide to take part then you will be asked to complete a consent form prior to any further procedures. If you decide to take part you are still free to withdraw at any time and without giving a reason. A decision to withdraw at any time, or a decision not to take part, would not affect your future or be held against you in any way.

Am I eligible to take part?

In order to take part you should;

- Be older than 18
- English as first language or equivalent level of fluency.

You would **not** be able to take part in the study if you;

- Have a diagnosis of ADHD
- Are colour-blind
- Have an uncorrected visual impairment.

Expenses and reimbursement

You will be reimbursed £3 for your time.

What will I have to do?

The entire study will take around 15 minutes to complete.

What does the study involve?

After consenting, you will be asked to complete a short-online task. The task is followed by a brief questionnaire to complete on your experiences of the task.

What are the possible benefits of taking part?

You would not directly benefit from taking part in this research study and your participation is voluntary. However, the information we get from this study may help us to understand how to make future psychological tests more enjoyable and less unengaging.

What if there is a problem?

Any complaint about the way you have been dealt with during the study or any possible harm you might suffer will be addressed. If you are harmed or upset by taking part in this research project, there are no special compensation arrangements. If you are harmed due to someone's negligence, then you may have grounds for legal action but you may have to pay for it. Regardless of this, if you wish to complain or have any concerns about any aspect of the way you've been approached or treated during the course of this study, please contact Jim Lumsden at jim.lumsden@bristol.ac.uk

Will my taking part in this study be kept confidential?

Any personal information and research study documentation taken for this research study would remain confidential and would be available only to university research staff and government bodies which monitor whether research studies are performed properly.

What would happen to the results of the research study?

When the study has been completed, we would analyse the data we have collected and report the findings. This would be reported in an appropriate scientific journal or presented at a scientific meeting. You would not be identified in any way and if you would like a copy of the final paper, you may request this.

Your study data will be anonymised. This means that it will be given an identification number and any identifying information about you will be removed. Therefore, it will not be possible to identify you by name from any aspect of documentation or reporting for this research study.

At the end of the study your data will become “open data”. This means that it will be stored in an online database so that it is publicly available.

What is open data?

Open data means that data are made available, free of charge, to anyone interested in the research, or who wishes to conduct their own analysis of the data. We will therefore have no control over how these data are used. However, all data will be anonymised before being made available and therefore there will be no way to identify you from the research data.

Why open data?

Sharing research data and findings is considered best scientific practice and is a requirement of many funding bodies and scientific journals. As a large proportion of research is publicly funded, the outcomes of the research should be made publicly available. Sharing data helps to maximise the impact of investment through wider use, and encourages new avenues of research.

Can I withdraw my study data after I have participated in the study?

No. All data collected by the study will be instantly anonymised via the computer system. Therefore, once you have completed the task we will no longer be able to identify which data set is yours.

Who is organising and funding the research?

This work was supported by the MRC Integrative Epidemiology Unit at the University of Bristol, and a PhD studentship to JL funded by the Economic and Social Research Council and Cambridge Cognition Limited. The funders had no role in study design, data collection and analysis, decision to publish, or preparation of the manuscript.

Who has reviewed the study?

Ethics approval has been obtained from the Faculty of Science Research Ethics Committee at the University of Bristol. Ethics number 22421

Who can I contact for further information?

If you wish to know more about the study, contact jim.lumsden@bristol.ac.uk