

Debriefing form

Thank you for completing this study, conducted by PhD Students Carl Michael Galang (galangc@mcmaster.ca), Ruby Malik (rmalik42@uwo.ca), and Isaac Kinley (kinleyid@mcmaster.ca) under the supervision of Dr. Sukhvinder Obhi (obhi@mcmaster.ca).

The aim of this experiment is to investigate whether sense of agency can be successfully measured using an online platform. Sense of agency is the feeling of control one has over their own actions. We can measure sense of agency by using the Intentional Binding Task, where participants estimate the time points of actions (e.g., pressing a key) and the sensory consequences (e.g., hearing an auditory tone) of those actions. This is the task you completed in this experiment. Note that you estimated the time points in two conditions. In one condition, the key press was always accompanied by an auditory tone, and in one block you estimated the key press and in the other the auditory tone. In the other condition, either only the key press or the tone was presented, and you estimated either-or. Sense of agency is measured by taking the estimates of this second condition and comparing it with the first. Previous research has shown that, when a voluntary action is accompanied by a tone, there should be a perceived perceptual shift that compresses the temporal distance between the two events. As such, we expect your estimates will be of the key press to be later in time when it is accompanied by a tone compared to when it is not, and your estimates of the tone to be earlier time when it is preceded by your key press compared to when it is presented on its own. The aim of this experiment is to see if we can find these results (which have been found reliably in the lab) when the Intentional Binding task is completed using an online platform. At the end, you also completed a questionnaire on the Big 5 Personality Traits. This was primarily for exploratory purposes (to see if sense of agency is correlated with any personality traits).

Independent Variables: Key Press & Tone, Only Key Press, Only Tone

Dependent Variables: Estimates

You are fully entitled to receive feedback about the outcomes of this research. If you provided contact details on your consent form, you will be contacted with a concise report when the project is completed. If you decide later that you would like to receive this information, feel free to email the researcher. You may also contact the researcher if you have any further questions about the research (galangc@mcmaster.ca). This project was reviewed and cleared by the McMaster Research Ethics Board. If you any have concerns or questions about your rights as a participant or about the way the study is being conducted you can contact:

The McMaster Research Ethics Board Secretariat
Telephone: (905) 525-9140 ext. 23142
c/o Research Office for Administration, Development and Support (ROADS)
E-mail: ethicsoffice@mcmaster.ca

Thank you for your help with this research. Your participation is greatly appreciated!

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