



Informed Consent Form

Required*

Dear Participant,

Thank you for your interest in this study. Please read the following information carefully before giving your consent to participate in the experiment.

General information about the study

You are being invited to take part in a research study that investigates how people respond to visual signals and how the brain supports attention and self-control. In this task, you will be shown a series of visual cues on a computer screen, and you will be asked to either respond or withhold your response depending on what appears. While you perform this task, we will record your brain activity using electroencephalography (EEG), a safe and non-invasive method that uses a headband placed on your forehead to monitor the electrical signals naturally produced by your brain. This allows us to better understand the mental processes involved in quick decision-making and impulse control.

Procedures

As a participant in this study, you will wear a non-invasive Muse EEG headband, which rests comfortably on your forehead to record brain activity. You will be seated in front of a computer and asked to complete a reaction time task involving visual stimuli. During the task, you will press the SPACEBAR when certain shapes appear and withhold your response when other shapes are shown. The experiment is divided into six blocks, with short breaks in between to help you rest. Depending on the session, you may be asked to either use your phone or avoid using it during these breaks as part of the study conditions. The total session is expected to last approximately 30 to 40 minutes.

Risks

Participation in this study involves minimal risk. You may experience mild fatigue, eye strain, or a slight sense of pressure from the EEG headset. These effects are temporary and generally mild. You are free to take breaks or discontinue participation at any point if you feel uncomfortable.

Voluntary participation

Your participation is completely voluntary and you may choose to stop participating at any time. Your decision not to volunteer or to refuse to answer particular questions, or to stop participation will not influence the relationship you may have with the researchers or study staff or the nature of your relationship with Constructor University either now, or in the future.

Data confidentiality

The data we collect will be fully confidential. Anonymized data will be stored for at least 10 years. The collection, storage and analysis of all data will be in pseudomized form, i.e., using a code instead of your name. Your personal and experimental data will be connected to this code and will be available to the experimenter Harsha Singh or Dr. Prof. Ben Godde only through this code. Cancellation of all data is possible at any time, as long as you can remember the code. Once the encoding list has been deleted, your data will be anonymized, and you can no longer request deletion.

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I have read and understood all the information completely. If I had any questions about this proposed study, they were answered completely and to my satisfaction by the experimenter. I had enough time for a decision and am willing to participate in the above study. I know that participation in the study is voluntary, and I can terminate participation at any time without giving reasons.

I have also been informed that I may request a cancellation of all my data at any time, as long as I can remember the code. Once the encoding list has been deleted, my data will be anonymized, and I can no longer request deletion.

I herewith also agree that any experimental data obtained in this study may be used in anonymized form for further analysis and potential publication.

☐ I agree.

☐ I disagree.