



LUNDS
UNIVERSITET

INFORMATION FOR THE PARTICIPANTS

Clear by Mind

General Information about EEG

Information processing in the central nervous system occurs by electrical activity of the nerve cells. This electrical activity is possible to measure by using electrodes attached to the head. Such measurement is called an Electroencephalogram, or EEG for short. An EEG apparatus measures and records small differences in electrical activity produced by the brain.

Preparation before the experiment

The preparation of the EEG experiment typically takes around one minute. You will get instructed about what you have to do during the experiment and sign a form of informed consent. A wireless EEG device will be placed on your head. On this cap there are measuring electrodes. To obtain good signals it is important that the resistance of the skin is not too high. In order to do that the experimenter will make sure the skin resistance drops to the desired value by gently pressing the electrodes towards your head. This procedure is totally safe and is not painful.

The experiment

After the preparation you will be placed in front of a screen. You will be reminded about what you have to do during the experiment. You will not notice anything from the measurement. When the experiment is completed, the experimenter will tell you and remove the cap with electrodes. The experiment is completely safe and painless, and do not require any injections or the taking of any substances.

Background and purpose of the experiment

The general purpose of the study is to understand the human-in-the-loop component of a brain-computer interface. Data is collected from many subjects in order to improve the signal processing of such systems as well our understanding of the human brain. After the experiment is concluded, more specific information can be given to you.

The experiment consists of watching a number of images on a screen. There will be other people in the same room during the experiment. The experiment takes about 5 minutes, including the introduction.

Management of the data

The informed consent paper is needed for GDPR compliance. We only need to know who you are in case you'd like to retract your participation from the study. Before the experiment, a user number will be assigned to you. EEG data will be stored electronically together with your user number, and no other personal information will be stored electronically. When data from the study is published, individuals cannot be identified.

If you have any other questions about the study and the procedure please contact:

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