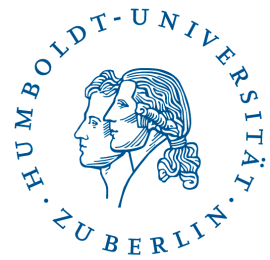


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**Information and declaration of consent for participation and data processing
for the online study "Fast hand movements on a touch screen".**

Thanks for your interest and participation in our study "Fast hand movements on a touch screen". In the following we will inform you about the GDPR-conform treatment of your data and will ask for your agreement to participate and having your data collected and processed for the explained purposes.

Please read this information carefully. If you have any further questions or difficulties understanding, please contact the lead researcher Clara Kuper (tel.: +49 30-2093 4846; e-mail: clara.kuper@hu-berlin.de). Given you agree to participate, please answer to corresponding questions in our online survey with "yes".

Thank you for your support of and trust into our work.

Sincerely,

Clara Kuper

I. Information about the goal of the study (participant information)

In this study, we want to investigate, how speeded hand movements on a touchscreen are executed under various conditions. You will solve a series of hand movement tasks on your smartphone or tablet. The tasks have similarities to simple computer games, where you must tap on elements on the screen as quickly and precisely as possible.

The duration of the experiment is estimated to be 45 minutes. You should complete the experiment in one go, but you can take breaks whenever you want to. There will be one instructed break after you've completed the first task of the experiment. If you are taking a break that is longer than 15 minutes or more than 30 minutes of break over the duration of the entire experiment, we will end the study. The same rule applies if you close the browser window during the session. The risks associated with this study do not exceed the normal interaction with touch screens. We recommend closing your eyes during the breaks or looking out of the window and relaxing your hands to avoid fatigue.

We will compensate your participation according to the estimated duration of the experiment (45 minutes). The compensation is based on the minimum salary of the Federal Republic of Germany. For this study, the compensation is 6.11 GBP (7.13 Euro).

Participation in this study is voluntary and you can end the study any time, without consequences. If you end the study before completion, we will pay you according to the part of the study you have successfully completed.

II. Information on data usage and data protection

Responsible

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Legal ground

The legal ground for processing your data is given by your voluntary written agreement, according to article 6 paragraph 1 point a GDPR, and article 9 paragraph 2 point a GDPR, as far as specific categories of personalized data are concerned. The data protection regulations will be always followed.

Additionally, we work in line with the declaration of Helsinki (statement of the World Medical Association on ethical principles for medical research involving humans) and with the guideline for good clinical practice. We follow the recommendations of Deutsche Forschungsgemeinschaft (DFG) to assure good scientific practice.

Data types and usage

During the study „Fast hand movements on a touch screen we record simple behavioral measurements (reaction times, response precision), demographic data (age, gender) and relevant correlative data (visual acuity, handedness). In some studies of this series, we will also record eye movement data. The goal of this research is to compare movement properties under different conditions.

Data storage and access

Given your agreement, we will process your data as follows: we will record your anonymous prolific ID. This allows us to access your data on your request and to access demographic data associated with your prolific profile. All data collected during the experiment will be stored on a server hosted by Humboldt Universität zu Berlin (Germany). Up to the deletion of your prolific ID (see below), only the researchers conducting this experiment will have access to the data. After anonymization, the data can be shared or published for scientific purposes. We do not collect personalized data that can be used to identify you and will therefore not share such data with third parties. All employees of the laboratory will stick to these regulations.

Publication

Publication of research findings in journal articles, on scientific (online) platforms and on conferences will happen exclusively in anonymized form such that you will not be personally identifiable.

Duration of storage, secondary usage

If you wish your data to be deleted, please call the responsible for this experiment (Clara Kuper) and tell us your prolific ID. You do not need to mention your name. After completing data collection of a series of experiments, and 10 years after data collection latest, we will delete your prolific ID from our data. This step fully anonymizes the data. After this point, we will not be able to identify and delete data on your request.

According to the recommendations of DFG, and the Deutsche Gesellschaft für Psychologie (DGPs) for quality control in research, experimental data should be made accessible to other scientists. Given your separate agreement, we will publish your behavioral data and eye movement data (if collected) on the Open Science Framework (<https://osf.io>) or PsychData (<https://www.psychdata.de>), respectively. The data will be archived and made accessible for further scientific use. The sufficient anonymization will be controlled, and additional steps will be taken, if necessary. The data will be made accessible for other scientists exclusively for research purposes.

Within the recommendations of DFG and DGPs, fully anonymized data can be made accessible for the public to ensure scientific quality control. This is based on article 6 paragraph 1 point f GDPR.

Comments regarding personalized data: No personalized data will be collected in this study.

III. Declaration of consent for participation and data usage for the described research project

I have been informed about the essence, meaning and scope of the planned research project. I have read and understood the **Information about the goal of the study (participant information) (I.)** as well as the **Information on data usage and data protection (II.)**. I am aware that I can contact the lead researcher for any further questions. My current physical condition does not exclude participation in this study.

I have been informed, that my participation is **voluntary** and that I can **revoke** my agreement any time without specifications of the reasons. Not consenting to participate or revoking my consent will not result in a disadvantage for me. Should I revoke my consent, my data will be deleted, unless legal regulations prevent this (e.g., anonymization, retention obligation). If I end the study early, I am eligible to a partial compensation.

My data will be saved pseudomized (associated with my prolific ID) first and anonymized after the study was completed.

I am aware that the data collected in this study will be accessible in fully anonymized form worldwide in an online scientific data archive, in line with the recommendations of DFG and DPGs. I can revoke my agreement on that below.

[PLEASE ANSWER in the online form]

I hereby express my voluntary agreement to participate in the planned study 'Fast hand movements on a touchscreen' and agree that my data is being processed as described in the information form that I received.

[PLEASE ANSWER in the online form]

I hereby express my voluntary agreement that the anonymized data collected in this study can be made accessible to researchers worldwide through a scientific data archive.

NOTE: This study will NOT record eye movements and access to your webcam will NOT be requested.