University of Stuttgart
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Visualization Research Center (VISUS)

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Information and declaration of consent for the participation in the research study „ Evaluation of Dimensionality Reduction Techniques for Multi-dimensional Data“

Study procedure

The actual study is divided into multiple trials. In each trial, you will be presented with a series of scatterplots depicting dimensionality reduction projections for multi-dimensional data sets. You may interact with these scatterplots by hovering over points, zooming in and out, and by assigning them scores. The task is to rank and rate the scatterplot visualizations for each trial by how good or misleading the projection is.

The duration of the whole study is 40-60 minutes. During the study, we will record the visualizations you select, the time it took, and the points you hovered over with your mouse. The resulting data will be used for analysis.

Before and after the trial, you will be asked some demographics and analysis experience questions, as well as for post-trial feedback.

General Conditions of Participations:

You have no visual impairment (short or long-sightedness not included)
You are between 18 years and 55 years old.
You are a fluent English Speaker.

Risks

There are no risks associated with this study. The use of a computer screen, keyboard and mouse is not harmful and does not entail any higher health risks, when compared to home use.

Privacy Information (Article 13 DS-GVO) regarding the collection of data in the study „Evaluation of Dimensionality Reduction Techniques” of the Visualization Research Center of the University of Stuttgart (VISUS)

Responsible body under data protection laws

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Visualisierungsinstitut der Universität Stuttgart

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Legal Basis

1. Conduction of the survey as part of a research project

Art. 6 Paragraph. 1 lit. e together Art. 6 Paragraph. 3 Datenschutz-Grundverordnung (DS- GVO) together with § 13 Abs.1 Landesdatenschutzgesetz Baden-Württemberg, Art. 6 Paragraph. 1 lit. c in Verbindung mit §§ 70, 75 Landeshaushaltsordnung.

2. Optional Agreement to further usage
Art. 6 Paragraph. 1 lit. a DS-GVO

Data Recipients

The datasets collected during the study are available only in anonymous form that cannot be linked to a specific person. For each participant, we generate a random ID that we only disclose to the participant at the end of the study. If the participant retains this ID, he can use it to have his data deleted later on.

The data recorded is processed and evaluated statistically to be published in scientific journals or conference proceedings.

Evaluated Research Data: Worldwide readers / users of scientific publications.

Raw Data within a repository: users that have been permitted to use the data within the university and the provider of the repository within the university. For reviewing processes for scientific publications, the raw data could be passed to the reviewers and the publisher.

The data above can potentially also be processed outside the EU in countries, where there are no comparable data protection laws. These can mean potential restrictions of your rights.

Based on policies the university archive must be consulted before deletion of data. The archive then decides on whether or not to keep the data.

Duration of the Storage Period

All research data are stored till 10 years after the completion of a research project. Potentially, the concerned data will be transferred to the respective university archive, which can store it indefinitely.

Your rights

No associations between data and the participant's identity are stored. Upon agreeing to take part in our study, each participant gets assigned a random identity, for the use in our study only. We are disclosing the random ID generated to the user at the end of the study. If the user retains this ID, he may use it at any point later on to have his data deleted. If the user loses the ID, it is no longer possible to link the data to the individual as no other personal data is stored.

Your participation in this study is voluntary. By giving your informed consent you are under no obligations. You may revoke your consent at any time without any legal consequences. You may abort the study at any time without giving reasons. Doing so will not result in any legal consequences for you.

You have the right to complain to the supervisory authority, should you be of the opinion that the processing of the personal data relating to you breaches legal regulations.

The competent supervisory authority is the State Data Protection and Freedom of Information Officer of Baden-Württemberg - Landesbeauftragte für den Datenschutz und die Informationsfreiheit Baden-Württemberg

Declaration of informed consent

- I have read or have been read to the preceding explanation and understood it.
- I have been informed, that the obtained data is saved and processed on computers that are connected to the internet.
- I volunteer to participate in this study and I am aware of the fact that I can discontinue my participation at any time.
- The agreement and participation is entirely voluntary. Not participating does not result in any kind of disadvantage.
- Withdrawing the consent after completing the study is possible, as long as I provide the random subject ID generated that is handed to me at the end of this study. Upon losing this ID, I can no longer have my data identified to me.
- I have read the privacy information and agree to it.
- I have received a copy of the information sheets.

Thank you for your participation!