



INFORMATION PROVIDED TO THE PARTICIPANTS

Acknowledgments:

Your input is essential to our project and the research team would like to thank you for that. Before giving your informed consent, it is important that you understand why the research is being done, what it involves and what your rights and obligations are.

PRESENTATION OF THE PROJECT (OR EXPERIMENTATION)

IDENTIFICATION

Project manager(s): Jean-Daniel Fekete, Research Director, jean-daniel.fekete@inria.fr
Other scientists involved:

- Alexis Pister, PhD student, alexis.pister@inria.fr (Aviz)

Project team and Inria Research Centre: Aviz, Inria - Saclay

Project name: Visualization and grouping of dynamic hypergraphs for social network analysis

You are invited to take part in this project of which the purpose is to investigate the *usability and efficiency* of a new dynamic hypergraph visualization, designed for exploring historical networks and allowing grouping operations.

The conditions for conducting the project will be as follows: The experiment will take place in person in the building 660 of Inria.

The expected benefits of the project are the following: This project will allow to measure the efficiency and usability of this new visualization and grouping system of dynamic hypergraphs. It will also allow to measure the efficiency of this system for making sociological conclusions.

This project has received a favourable opinion from Inria's Operational Committee for the Assessment of legal and ethical risks. For more information:

<https://www.inria.fr/en/operational-committee-assesment-legal-and-ethical-risks>

YOUR PARTICIPATION IN THE PROJECT

Conditions of your participation:

The experiment will take place physically at the building 660 of Inria Saclay, on the Paris-Saclay University campus. We will present you a dynamic hypergraph visualization and grouping system. You will have to answer several questions on scientific publications open data. The data is made of scientific publications written by groups of authors over time.

For this, you will have to interact with the system, make queries, activate transformations, use selections, and filters. The experiment will be in one session and will not last more than one hour and a half (excluding breaks). The duration includes a reasonable time needed to read the consent form and the experiment instructions. There will be optional breaks throughout the experiment. This study does not present any foreseeable risks in participating, beyond those experienced in daily life.

Voluntary participation in the project:

Once you have read and understood the information contained in the "Project Presentation" section, your signature on this form indicates that you agree to participate in the project, and this without any restrictions or external pressure.

If you don't have the information that you need to make a decision, you should not hesitate to ask for more information from the contact persons (see below).

Withdrawal from the project at any time:



You are completely free to end your participation in the project at any time, without providing a reason.

Following your withdrawal from the project:

Regarding the data concerning you which may have been collected before you withdraw from the project, the research team may continue to use such data for the time during which the data mentioned below is kept, unless you have objections which you should make known to the contact persons. In this case, the data concerning you will be destroyed.

Request for information during the project:

If you have any additional questions about the project or about your rights as a participant in this research, please do not hesitate to get in touch with the contact persons mentioned below.

Information concerning the principal results of the research

If you would like a written summary about the principal results of this research and their use, please ask the contact persons.

PRIVACY AND DATA PROTECTION ACT

Inria is very attentive and vigilant regarding personal data protection (DCP) issues. It has also appointed a Data Protection Officer (DPO) for ensuring that Inria complies with the European General Data Protection Regulation (GDPR)¹.

These data are as follows: Your participation in this research is confidential. All responses provided will be stored by using a generated ID. Personal data collected are 1) demographic data (i.e., participant's anonymous id, age, sex), and 2) your background data (i.e., discipline and maximum degree, experience with visualization and network representations).

Experiment data will be collected during the session: accuracy and time to answer the tasks and answers to usability and feedback questions.

These data will be processed in the following manner:

Demographics and background data will be aggregated and deleted once the experiment is finished. Experiment data will be anonymized and shared on osf.io and with a scientific article in line with open access principles.

In accordance with Article 13 of the Regulation (EU) 2016/679 of the European Parliament and of the council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and the free movement of such data, please find below some information about this data collection:

- The representative of the data controller is the Director of the Inria Research Centre, Jean-Yves Berthou
- It is understood that the personal data collected during the project are confidential and that only the members of the research team, listed below, will have access to these data:
 - M Jean-Daniel Fekete, scientific manager of the Aviz research team
 - Alexis Pister, PhD student at the Aviz research team
- Each processing of personal data within Inria must be reported to the Inria DPO;
- Your data will be kept for the duration of the study;
- Transfer of your data:
 - Your anonymous data will be reported in a scientific publication and may be joined as supplementary material of this publication to allow the results to be reproduced. In the

¹ <https://eur-lex.europa.eu/eli/reg/2016/679/oj>



event of a withdrawal of consent and unless you indicate otherwise, the data collected up to the date of this withdrawal may be used.

- In accordance with the French “Data Protection Act” of 6 January 1978, as amended, you are entitled to access and correct information about you;
- You can access any data concerning you or request that it be erased during the aforementioned storage time;
- You also have a right of opposition, a right of rectification, a right to portability and a right to limit the processing of your data (see cnil.fr for more information about your rights) during the aforementioned storage time;
- If you wish to exercise these rights or should you have any questions about the processing of your data in this system, you can contact the Inria DPO:

- You can contact the DPO by email: dpo@inria.fr
- or by post by writing to:

The Data Protection Officer
Inria,
2004 route des Lucioles,
BP 93,
06902 Sophia-Antipolis Cedex

- If you consider, after having contacted us, that your privacy and personal data rights have been infringed or that the study does not comply with data protection rules, you may send a complaint to the CNIL;
- This data collection is done on a voluntary basis. Under no circumstances are you required either by regulations, or contractually or by other means to provide your data;
- This processing does not entail any profiling or automated decision-making about you, based on your data and the processing of such data.

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This form for requesting information and for collecting informed consent is a confidential and sensitive document, and as such it must be given special treatment both in the way that it is kept and archived.

A copy of the duly signed form intended for the project manager will be kept within the administrative and financial department of the Inria Research Centre concerned for fifteen (15) years before being transferred to the archives department of the Inria Research Centre concerned.

CONTACT PERSONS

Surname: Fekete
First name: Jean-Daniel
Title: Research Director
Telephone no: +33 1 69156551
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Surname: Pister
First name: Alexis
Title: PhD Student



e-mail: alexis.pister@inria.fr

PART II/ COLLECTION OF THE INFORMED CONSENT OF THE PARTICIPANT

I the undersignedacknowledge that I have read and understood this form for requesting information concerning the project **Visualization and grouping of dynamic hypergraphs for social network analysis** of which the purpose is to test the effectiveness and usability of a new dynamic hypergraph representation and that I voluntarily agree to participate in this research project.

I acknowledge that I have been informed that I can terminate my participation in the project at any time without having to give any reason, by simply contacting the contacts mentioned above.

I acknowledge having been informed about the purpose and conditions of the project, as well as the pros, risks and cons of the project.

I acknowledge having received clear and precise answers to my questions.

Finally, I recognize that I have the option of asking additional questions about the project or about my rights, at any time during the project, via the contact persons.

Drawn up in two copies, one of which will be given to the participant with the other to be kept by the project manager.

For the participant:

Date and signature

For the project manager:

Date and signature: