

Informed Consent of Participation



You are invited to participate in the online study **Multi-Language Computational Notebooks**, initiated and conducted by Thomas Weber, and Denny Steigmeier. The research is supervised by Denny Steigmeier at LMU Munich under Prof. Dr. Sven Mayer. Please note:

- Your participation is voluntary.
- The online study will last approximately 60 minutes.
- We will record personal demographics (age, gender, and highest level of school, occupation).
- You will receive 1 credit point per hour for your study course as compensation or 12 EUR/hour as monetary compensation.
- We may publish results from this and other sessions.
- The data collected cannot be viewed or used for further research by anyone outside the researchers involved in this work.

If you have any questions about the whole informed consent process of this research or your rights as a human research subject, please contact Denny Steigmeier (E-Mail: denny.steigmeier@campus.lmu.de) or Prof. Dr. Sven Mayer. You should carefully read the settings below. You may take as much time as you need to read the consent form. If you do not fully agree with something, or if your questions have not all been answered to your satisfaction, then you should not give your consent.

1. Purpose and Goal of this Research

The goal is a evaluation of the usability of a new JupyterLab extension for switching between code and documentation. Your participation will help us achieve this goal. The results of this research may be presented at scientific or professional meetings or published in scientific proceedings and journals.

2. Participation and Compensation

Your participation in this online study is voluntary. You will be one of approximately 20 people being surveyed for this research. You will receive 12 EUR/hour as compensation for your participation or one credit point per hour required for your study course at the LMU Munich. You may withdraw and discontinue participation at any time without penalty or losing the compensation. If possible, you may refuse to answer any questions you do not want to answer or withdraw from participation at any time. At any time and without giving any reason, you can notify us that you want to withdraw the consent given (GDPR Art. 21). In case of withdrawal, your data stored based on your consent will be deleted or anonymized where this is legally permissible (GDPR Art. 17). If deletion is impossible or only possible with unreasonable technical effort, your data will be anonymized by deleting the personal identification information. However, anonymization of your data cannot entirely exclude the possibility of subsequent tracing of information to you via other sources. Finally, once the data is anonymized, the deletion of the data is not possible anymore as we will not be able to identify which data is yours.

3. Procedure

After giving consent, you will be guided through the following steps:

remote-procedure

The complete procedure of this online study will last approximately 60 minutes.

4. Risks and Benefits

There are no risks associated with this field study. Discomforts or inconveniences will be minor and are unlikely to happen. If you feel uncomfortable, you may discontinue your participation. Your benefit in participating is your compensation described above. With this research, we will advance knowledge in this research field.

5. Data Protection and Confidentiality

The General Data Protection Regulation (GDPR) of the European Union (EU) governs that data collection process. The legal basis for processing the personal data is the consent in accordance with GDPR Art. 6 (1). The GDPR guarantees a set of right to the data subjects, including the right to access, rectification, and erasure of personal data.

- You have the right to access your personal data at any time (GDPR Art. 15).
- You have the right to correct inaccurate personal data at any time (GDPR Art. 16).
- You have the right to have your personal data deleted (GDPR Art. 17).
- You have the right to limit the processing of your personal data (GDPR Art. 18).
- You have the right to have your data transferred to others (GDPR Art. 20).
- You have the right to withdraw the consent given (GDPR Art. 21).

If you wish to exercise any of your rights, please contact the researchers.

Personal data (age, gender, and highest level of school, occupation) will be recorded during participation. The contact details of the study participants can be used to track potential infection chains. Researchers will not identify you by your real name in any reports using settings obtained from this online study, and your confidentiality as a participant in this online study will remain secure. Data collected in this online study will be treated in compliance with the GDPR.

We will record demographics demographicstrue contactfalse audiofalse photosfalse videosfalse motionfalse physiologicalfalse eyetrackingfalse screenrecordingfalse notesfalse interactionfalse record demographics record browser meta data during the online study. All data you provide in this online study will not be published and kept confidential. This site uses cookies and other tracking technologies to conduct the research, to improve the user experience, the ability to interact with the system and to provide additional content from third parties. Despite careful control of content, the researchers assume no liability for damages, which directly or indirectly result from the use of this online application.

Your non-anonymized data will be stored for a maximum of 10 years from the time your consent is given, unless you withdraw your consent before this period has elapsed. Your non-anonymized data will be stored in a secure location and will be accessible only to the researchers involved in this work.

The data collected cannot be viewed or used for further research by everyone outside the researchers involved in this work. The data collected will be deleted after the end of the research, or if you contact the researcher to delete them.

As with any publication or online-related activity, the risk of a breach of confidentiality is always possible. According to the GDPR, the researchers will inform the participant if a breach of confidential data is detected.

6. Identification of Investigators

If you have any questions or concerns about the research, please feel free to contact:

Thomas Weber	Denny Steigmeier	Prof. Dr. Sven Mayer
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	denny.steigmeier@campus.lmu.de	

7. Informed Consent and Agreement

This consent form will be retained securely and in compliance with the GDPR for no longer than necessary.

- ☐ I understand the explanation provided to me. I have been given a copy of this form. I have had all my questions answered to my satisfaction, and I voluntarily agree to participate in this field study.
- ☐ I voluntarily consent to my data being recorded and subsequently processed in line with the GDPR. I have been informed about the consequences of withdrawing my consent.

Printed Name of Subject

Signature of Subject

Location, Date