

# Informed Consent of Study Participation

You are invited to participate in the online study "Gender-Related Differences in AI Prompting Behavior". The study is conducted by Salman Younus, Ikbela Halili, Muhammad Usama, Aliza, and Muhammed Berat Kurt and supervised by Prof. Dr. Valentin Schwind from the Frankfurt University of Applied Sciences. The study with estimated 20 participants takes place in the period from 2025-06-29 to 2025-09-29. The research is funded by the project BMBF KI@FRA-UAS. Please note:

- Your participation is entirely voluntary and can be discontinued or withdrawn at any time
- One session of the online study will last ca. 15 minutes
- As compensation for your participation, you will receive one credit point for the lecture
- For the evaluation, we collect some of personal information (e.g., age, gender, etc.), whereas contact data (e.g. e-mails) will only be used for feedback or further information about the study and not be passed on to any third parties
- During the session, we will log your input
- Recordings and personal data are subject to the guidelines of the General Data Protection Regulation (GDPR) and will pseudoanonymized (with a coded number) stored, evaluated and possibly made publicly available as raw data sets so that without information from the researchers no conclusions can be drawn about individual persons

The alternative to participation in this study is to choose not to participate. If you have any questions, concerns, or complaints about the informed consent process of this research study or your rights as a human research subject, please contact Prof. Dr. Valentin Schwind or the ethical committee of the FRA-UAS. Please read the following information carefully and take the time you need.

## 1. Purpose and Goal of this Research

Investigating how difference in user's gender influences the way AI systems create prompts. To uncover potential gender-based differences in AI prompting behavior, aiming to improve fairness and inclusivity in AI-human interactions. Your participation will help us achieve this research goal. The results of this research may be presented at scientific or professional meetings or published in scientific proceedings and journals.

## 2. Study Participation

Your participation in this online study is entirely voluntary and can be discontinued or withdrawn at any time. You can refuse to answer any questions or continue with the study at any time if you feel uncomfortable in any way. You can discontinue or withdraw your participation at any time without giving a reason. However, we reserve the right to exclude you from the study (e.g., with invalid trials or if continuing the study could have a negative impact on your well-being or the equipment). You will also receive the compensation offered if you discontinue study participation. Repeated participation in the study is not permitted.

## 3. Study Procedure

After confirming this informed consent the procedure is as follows:

1. S1. You will be shown a set of tasks and will be introduced with AI assistant.
2. S2. You will perform tasks one by one.
3. S3. Continue with respective task until you are satisfied by the AI response.
4. S4. When You have finished with all the tasks, You should submit.
5. S5. At the end You will be asking to give a feedback.

The confirmation of participation in this study can be obtained directly from the researchers.

## 4. Risks and Benefits

In the online study you will not be exposed to any immediate risk or danger. As with all computer systems on which data is processed, despite security measures, there is a small risk of data leakage and the loss of confidential or personal information. As compensation for your participation, you will receive one credit point for the lecture. With your participation you support our research work and contribute to a better understanding of human-computer interaction.

## 5. Data Protection and Confidentiality

In this study, personal and personal data are collected for our research. The use of personal or subject-related information is governed by the European Union (EU) General Data Protection Regulation (GDPR) and will be treated in accordance with the GDPR. This means that you can view, correct, restrict processing, and delete the data collected in this study. Only with your agreement, we will log your input in the study. We plan to publish the results of this and other research studies in academic articles or other media. Your data will not be retained for longer than necessary or until you contact researchers to have your data destroyed or deleted. Access to the raw data of the study during the analysis is encrypted, password-protected and only accessible to the authors, colleagues, and researchers collaborating on this research. As part of the research, the data will be anonymized using code numbers and then be made available to the general public, whereas without information from the researchers no conclusions can be drawn about individual persons. Once the material has been made publicly available, the distribution of the data can no longer be revoked. Contact details (e.g. e-mails) will not be passed on to third parties, but may be used by the researchers to contact participants, trace infection chains, or to send you further details of the study. According to the GDPR, the researchers will inform the participants using their contact details if a confidential data breach has been detected.

## 6. Identification of Investigators

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

### Researchers

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