



Comparing User Interfaces for Decision Preferences

Imagine you are planning a holiday and want to book a hotel. Or you are moving to a new city and want to rent an apartment. The search engine lists hundreds of accommodations to choose from. Not an easy decision, is it?

We, the [chair of Visual Analytics](#) at the [Institute for Visual and Analytic Computing](#), research visualization tools that help people explore these options to make a good choice. This involves research how to make subjective preferences usable for decision support. For this purpose, we are planning a study to find out how a user interface needs to be designed to make expressing preferences easy but also precise.

We are seeking a curious and committed student to work with us at this exciting intersection of data visualization and decision-making. You will support us in setting up the study by implementing the questionnaire and processing the collected data. This includes preparing the preference elicitation interfaces, implementing a mechanism to assess their quality, and analyzing the collected participant data.

Your job

- Implement a crowdsourced user study to compare three user interfaces for capturing subjective decision preferences (study questionnaire, interactive stimuli)
- Execute the study (data acquisition and analysis using statistical methods)
- Support us with the publication of study results

Your background

- Enrolled student (m/f/d) in the field of visual computing, computer science, physics, engineering, psychology, cognitive science, or a comparable field of study
- Experience with web-based programming (e.g., JavaScript, React, D3.js)
- Interest in empirical research (experience in statistical analysis with R beneficial)

Our offer

- Varied work in an interdisciplinary, supportive, and inclusive research environment
- The opportunity to gain hands-on experience in scientific work
- Flexible working hours (20h/month) to ensure compatibility with your studies
- Salary according to collectively agreed regulations, currently 13,25€/h to 13,83€/h

How to apply If you are interested, please send your cover letter and CV by e-mail to the chair of Visual Analytics (corinna.burmeister@uni-rostock.de). We look forward to receiving your application! For further information about this position, you can contact Dr.-Ing. Lena Cibulski via e-mail (lena.cibulski@uni-rostock.de).