

Open Science Grant

Analysis of learners' attention with interactive visualisations in economics (ALAIVE)



Christian Mayer

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Project ALAIVE

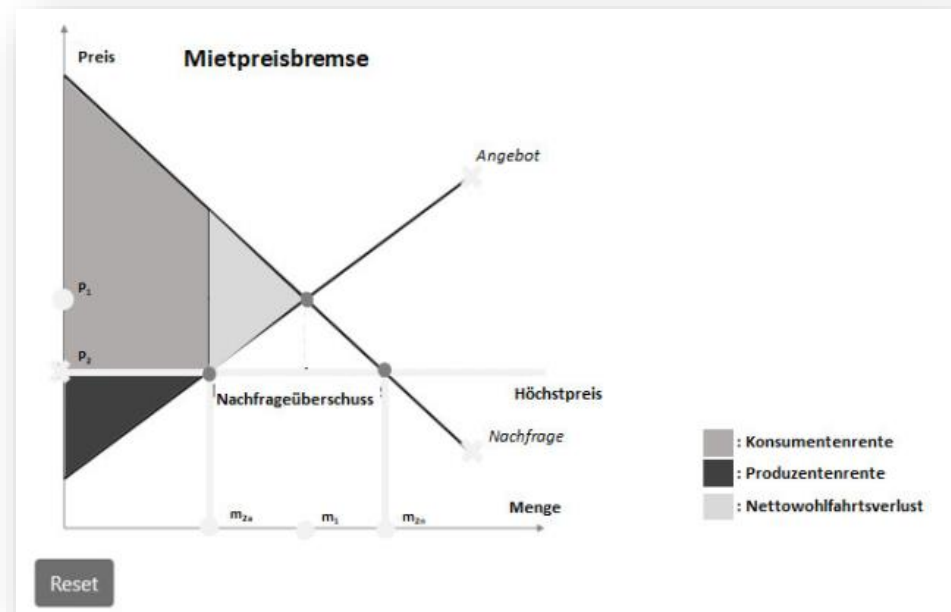
Analysis of learners' attention with interactive visualisations in economics

- **Multimedia learning** (Mayer, 2010) in **economic education** (Cohn & Cohn, 1994).
- Eye-tracking studies on **graph comprehension** (Ruf et al., 2023).
- Eye-tracking study on **static vs. dynamic graphs** with students (experts) and pupils (novices). Sample size: $n \sim 60$
- *How does the **visual attention** of **experts and novices** differ when solving problems with static and dynamic graphs?*
- **Open Science Grant** is used to **finance student assistants** for data collection and processing, as well as to **compensate the participants**.

Project ALAIVE

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Prior project example



(Findeisen, Messner & Guggemos, 2022, S. 229)

Open Science Practices

Open science enhances the reliability and robustness of educational research findings (Krammer & Svecnik, 2020)

- ✓ Preregistration
- ✓ Open Code
- ✓ Open Educational Resources (OER)
- ✓ Open Access Publication

Questions?



 christian.mayer@uni-mannheim.de

References

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