# TUMANYwords

Our project aims to create a website which displayes information on the application process at TUM more accessible. By this we intend to support international students and those with disabilities, as well as make the TUM application process faster and less prone to errors by the applicant.

## Research phase (Apr '23)

- Search for model: websites informing about application process B.Sc. Mathematics
- Contact with experts (Denise Lichtig, Director of Language Center; Norman Matcha, Manager of website-relaunch)

## Model design (Dec '23)

- Design and implementation of pre-test with 6 highschool students (11th grade)
- Desin of new website based on results (mock-up)

## Model testing (Jan '24)

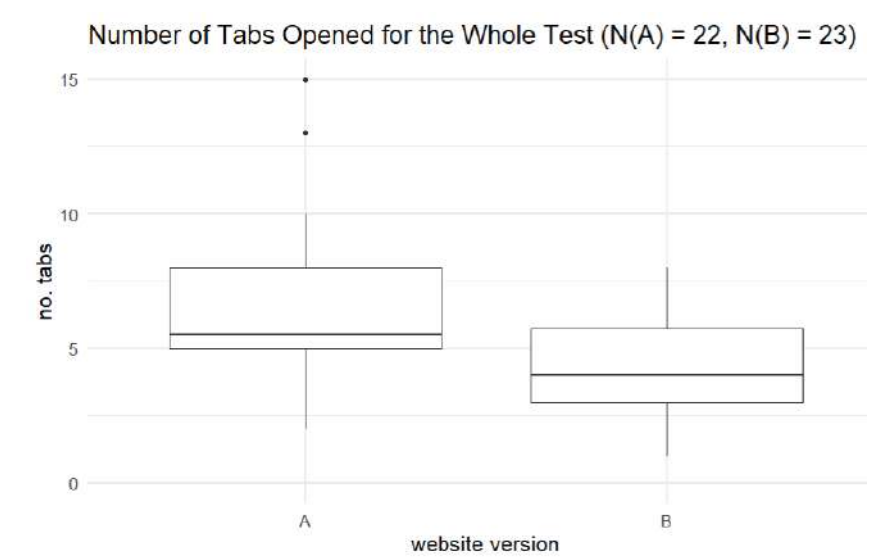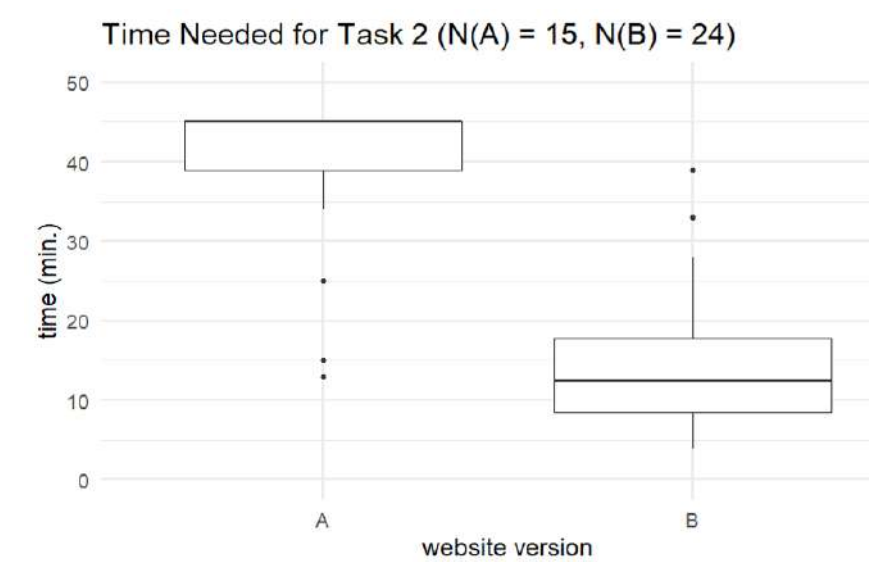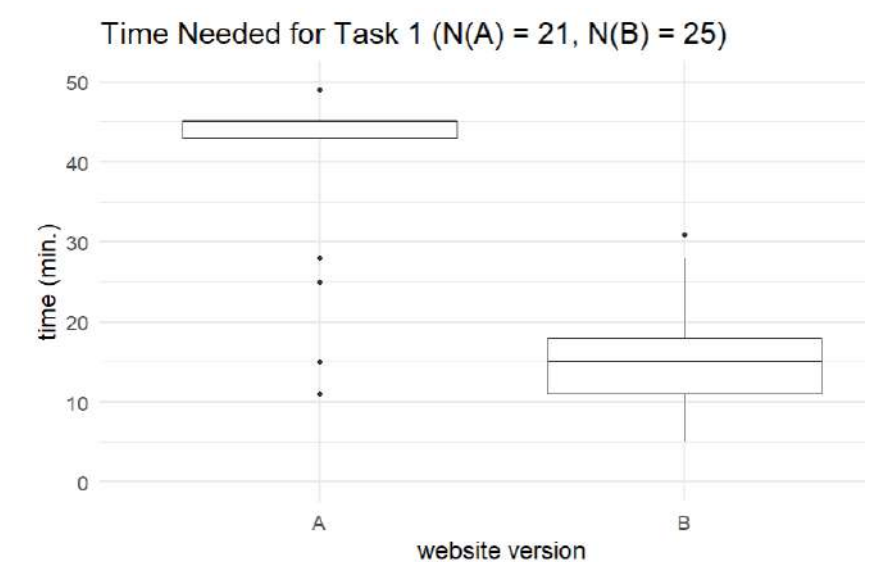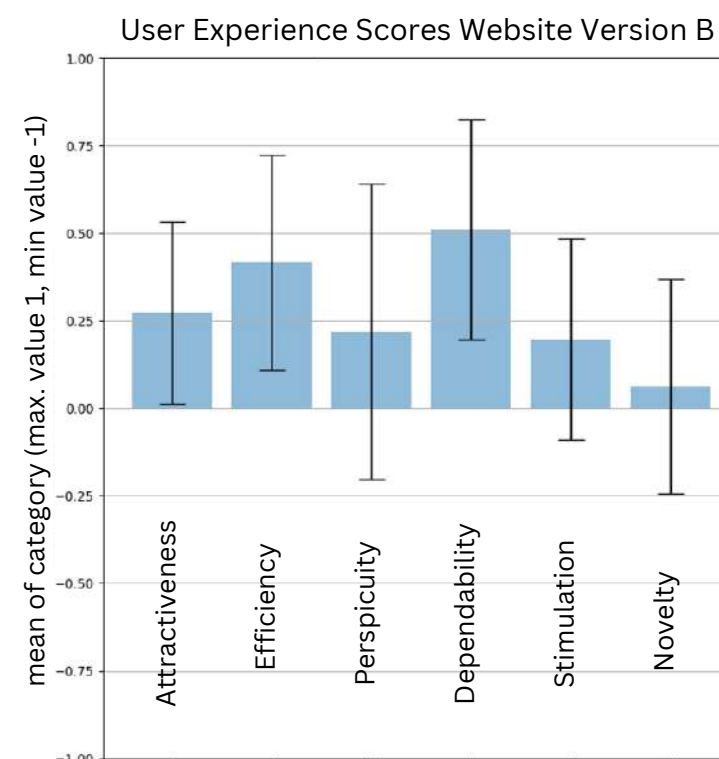- Testing of mock-up at national and international schools (Munich, São Paulo) in 11th and 12th grade
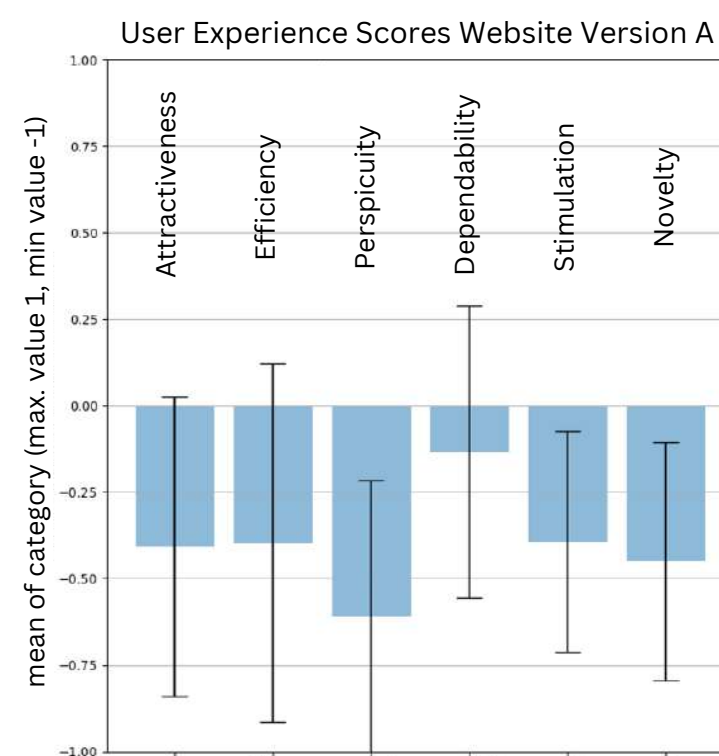
## Interpretation phase (Mar '24)

- Evaluation of user experience
- Assess mock-up performance
- Document ideas in research paper

## Wrap-up (Jul '24)

- Implement results in mock-up
- Present website to TUM

## Results of model testing



User Experience Scores Website Version A



User Experience Scores Website Version B



Time Needed for Task 1 (N(A) = 21, N(B) = 25)

Time Needed for Task 2 (N(A) = 15, N(B) = 24)

Number of Tabs Opened for the Whole Test (N(A) = 22, N(B) = 23)

## Conclusion

We designed a questionnaire based on results from usability tests and Simple Language guidelines, which outputs a personalized list of the required documents with explanations of difficult words in german. This mock-up (B) showed significant improvement regarding the accessibility of the application information compared to the orignial website (A).

R[1] Erickson, William; Trerise, Sharon; Lee, Camille; VanLooy, Sara; Knowlton, Samuel; Bruyère, Susanne (2013): The Accessibility and Usability of College Websites: Is your Website Presenting Barriers to Potential Students? In: Community College Journal of Research and Practice 37 (11), pp. 864–876. DOI: 10.1080/10668926.2010.484772.
[2] Sukmasetya, P.; Setiawan, A.; Arumi, E. R. (2020): Usability evaluation of university website: a case study. In: J. Phys.: Co nf. Ser. 1517 (1), p . 12071. DOI: 10.1088/1742 - 6596/1517/1/012071.
[3] Rodrigues, John (2019): User Experience Research On Improving the College Application Process. Published by A Medium Corporation. Available at https://medium.com/@rodriguesjohnbaptist/user-experience-research-on-improving-the-college-application-process-37c0a7f5877d, last updated on 04.03.2019, last checked on 09.03.2023.
[4] Hinchliffe, Anetta; Mummery, W. Kerry (2008): Applying usability testing techniques to improve a health promotion website. In: Health promotion journal of Australia : official journal of Australian Association of Health Promotion Professionals 19 (1), S. 29–35. DOI: 10.1071/HE08029.
[5] Esmeria, Giselle Joy; Seva, Rosemary R. (2017): Web Usability: A Literature Review. DLSU Research Congress 2017. Manila, Philippines, 20.-22.06.2017. De La Salle University.

**Members**
Veronika Hoffmann
Inés Velasco Martinez
Ziwei Wang
Euridice Harke
Peter Ridilla

**Tutors**
Bernhard Häfner
Sebastian Zäpfel
**Supervisors**
Prof. Dr. Sylvia Rothe
Prof. Dr. Claudia Klüppelberg