





Katharina Prasse, M. Sc.

✉ katharina.prasse@uni-mannheim.de

🦋 [katharinaprasse](#)

🌐 [katharina-prasse](#)

Education

- 2024 – today  **Ph.D., University of Mannheim.**
Zero-shot classification and clustering investigation of real-life social media images.
- 2023 – 2023  **Ph.D., University of Siegen.**
Creation and publication of a climate change dataset containing images shared on social media (X).
- 2020 – 2022  **M.Sc. Data Science, University of Mannheim.**
Thesis title: *Local Spherical Harmonics Improve Skeleton-Based Hand Action Recognition.*
- 2014 – 2017  **B.A. Liberal Arts & Sciences, Utrecht University's Honors College (Roosevelt University College).**
Majors in Psychology and Economics and minor in Statistics.

Research Publications






Conference Proceedings

- 1 **K. Prasse**, P. Knab, S. Marton, C. Bartelt, and M. Keuper, “Dcbm: Data-efficient visual concept bottleneck models,” in *International Conference on Machine Learning*, Jul. 2025.
- 2 **K. Prasse**, I. Bravo, S. Walter, and M. Keuper, “I spy with my little eye a minimum cost multicut investigation of dataset frames,” in *Winter Conference on Applications of Computer Vision*, Feb. 2025.
- 3 **K. Prasse**, S. Jung, I. B. Bravo, S. Walter, and M. Keuper, “Towards understanding climate change perceptions: A social media dataset,” in *Workshop on Tackling Climate Change with Machine Learning*, climatechange. ai, 2023.

Conference & Workshop Presentations

- 1 **K. Prasse**, “Automated image understanding in the context of climate change,” Panel on Climate Visual Analysis, Aug. 5–7, 2025, Computational Visual Media Research: Methods, Theories, and Reflections, AISCICOMM, Zurich, Switzerland..
- 2 **K. Prasse**, “Foundation models: Exploring opportunities and pitfalls,” Climate Change Visuals Workshop, Jun. 25, 2024, C3DS, University of Exeter, Exeter, United Kingdom.
- 3 I. Bravo, **K. Prasse**, S. Walter, and M. Keuper, “Detecting manipulated visuals: A computational approach in the climate change discourse,” Parallel Panel II: Climate and Health-related Science Communication, Jun. 6–7, 2024, AISCICOMM, Zurich, Switzerland.

Miscellaneous Experience

-  **Co-Guest Editor.** Special Issue on Computational Climate Visual Research in ViMe.
-  **Image Processing tutor** Accompany lecture with exercise session, University of Mannheim.
-  **Reviewer at ML Conferences** e.g. CVPR, ECCV, CCAI.
-  **ML Reading Group Organizer.** Data & Web Science Group, University of Mannheim.
-  **GirlsDay Session Organizer** Hands-on session designed for children aged 12-17.