

Maximilian Martin Maurer

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Education

- 06/2024 – now  **Ph.D. Computer Science**, Heinrich-Heine University Duesseldorf.
Thesis title: *Sociodemographic and linguistic factors in label disagreement and their effects on model behavior.*
- 2023  **M.Sc. Computational Linguistics**, University of Stuttgart, Germany.
Thesis title: *Analysis of political positioning from politician's Tweets.*
- 2021  **B.Sc. Natural Language Processing**, University of Stuttgart.
Thesis title: *Explicit Content Detection in Songs.*

Research Experience

- 2024 – now  **Research Assistant**. GESIS Leibniz-Institute for the Social Sciences. Cologne, Germany.
- 01/2023 – 11/2023  **Student Research Assistant**. SemChangeMWE Project, IMS, University of Stuttgart, Germany.

Research Publications

Conference Proceedings

- 1 J. Romberg, **M. Maurer**, H. Wachsmuth, and G. Lapesa, “Towards a perspectivist turn in argument quality assessment,” in *Proceedings of the 2025 Conference of the Nations of the Americas Chapter of the Association for Computational Linguistics: Human Language Technologies (Volume 1: Long Papers)*, Albuquerque, New Mexico, Apr. 2025, pp. 7458–7485, ISBN: 979-8-89176-189-6.  DOI: 10.18653/v1/2025.nacl-long.382.
- 2 **M. Maurer**, T. Ceron, S. Padó, and G. Lapesa, “Toeing the party line: Election manifestos as a key to understand political discourse on Twitter,” in *Findings of the Association for Computational Linguistics: EMNLP 2024*, Miami, Florida, USA, Nov. 2024, pp. 6115–6130.  DOI: 10.18653/v1/2024.findings-emnlp.354.
- 3 **M. Maurer**, J. Romberg, M. Reuver, N. Weldekiros, and G. Lapesa, “GESIS-DSM at PerspectiveArg2024: A matter of style? socio-cultural differences in argumentation,” in *Proceedings of the 11th Workshop on Argument Mining (ArgMining 2024)*, Bangkok, Thailand, Aug. 2024, pp. 169–181.  DOI: 10.18653/v1/2024.argmining-1.18.
- 4 M. Maurer, C. Jenkins, F. Miletic, and S. Schulte im Walde, “Classifying noun compounds for present-day compositionality: Contributions of diachronic frequency and productivity patterns,” in *Proceedings of the 19th Conference on Natural Language Processing (KONVENS 2023)*, Ingolstadt, Germany, Sep. 2023, pp. 40–51.  URL: <https://aclanthology.org/2023.konvens-main.4/>.

Guides

- 1 **M. Maurer**, *What is Prompting?* (GESIS Guides to Digital Behavioral Data). Cologne: GESIS – Leibniz Institute for the Social Sciences, 2025, vol. 25.  DOI: 10.60762/ggdbd25025.1.0.

Open Source Projects

- **ELFEN**, a Python package to efficiently extract linguistic features for text/NLP datasets.
<https://github.com/mmmaurer/elfen>.

Skills

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| Languages | ■ German (native), English (fluent), Spanish (beginner) |
| Coding | ■ Python, R, Bash |
| Tools and Libraries | ■ PyTorch, Polars, scikit-learn, huggingface, transformers, adapters, Pandas, spaCy, Matplotlib, Seaborn, scipy, numpy, brms, lme4 |
| Typesetting | ■ L ^A T _E X, MS Office |

Miscellaneous Experience

Teaching

- 06/2025 ■ **Adapters: Lightweight Machine Learning for Social Science Research**, Three-day online course for social scientists.

PC Member/Reviewer

- 2025 ■ **CoNLL, ArgMining, COLING** (Tracks: Sentiment Analysis, Opinion and Argument Mining; Ethics, Bias and Fairness).
- 2024 ■ **LRED-COLING** (Track: Sentiment Analysis, Opinion and Argument Mining).

References

Available on Request