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.naacl-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 PerpectiveArg2024: 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. M. Maurer**, C. Jenkins, F. Miletić, 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

Languages	German (native), English (fluent), Spanish (beginner), Dutch (beginner)
Coding	Python, R, Bash, LaTeX, …
Tools and Libraries	PyTorch, Polars, scikit-learn, huggingface, transformers, adapters, Pandas, spaCy, Matplotlib, Seaborn, scipy, numpy
Typesetting	LaTeX, 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