

Hendrik Erz

PhD Student

Institute for Analytical Sociology (IAS)
Linköping University

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Research Interests

Economic Sociology, Computational Social Science, Natural Language Processing, Large Language Models, Sociology of Culture, Computational Text Analysis

Education

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|-------------------|--|
| Since 2020 | PhD in Analytical Sociology, Linköping University Supervisors: Jacob Habinek, Étienne Ollion (expected: 2025) |
| 2017 | M.A. in Sociology, University of Bonn |
| 2014 | B.A. in History, University of Bonn (minor: Political Science) |

Employment

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| 2019-20 | Researcher in Machine Learning / Artificial Intelligence Institute for Peace Research and Security Policy (IFSH) University of Hamburg |
| 2017-19 | Research Assistant Domestic Policy / Digitalization Department for Political Science and Sociology University of Bonn |

Publications

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|-------------|---|
| 2023 | Text als Daten. Extraktion von Variablen mittels LSTM-Netzwerken (with Anastasia Menshikova), in: Paula-Irene Villa (ed.) 2023: <i>Polarisierte Welten. Verhandlungen des 41. Kongresses der Deutschen Gesellschaft für Soziologie 2022</i> . https://publikationen.soziologie.de/index.php/kongressband_2022/article/view/1693 |
| 2020 | Operative Porträts: eine Bildgeschichte der Identifizierbarkeit von Lavater bis Facebook. Von Roland Meyer. <i>Soziologiemagazin</i> 2020, 75–81. https://doi.org/10.3224/soz.v13i1.07 |
| 2020 | The Status Quo is a Dystopian Nightmare. <i>engagée</i> 9, 20–25. |

- 2020** Künstliche Intelligenz und Daten: Eine Evaluation softwarebasierter militärischer Informationsgewinnung (Research Report No. 4). IFSH, Hamburg. https://ifsh.de/file/publication/Research_Report/004/20200701_Research_Report_004.pdf (accessed 07.01.21)
- 2019** Rezension zu Neoliberalismus – Wie alles anfang: Das Walter Lippmann Kolloquium, verfasst von Hendrik Erz (Review). Soziologieblog. <https://soziologieblog.hypotheses.org/12990> (accessed 10.23.19).
- 2019** Der lange Schatten von Gustave Le Bon. Zum sprachlichen Einfluss der Crowd Science auf die Soziologie der Gewalt. Soziologiemagazin 2/2019, 71–88. <https://doi.org/10.3224/soz.v12i2.06>
- 2019** Schulz, A., Erz, H., Riedl, V. How to make a Soziologiemagazin. Soziologiemagazin 1/2019. <https://elibrary.utb.de/doi/pdf/10.3224/soz.v12i2.08> (accessed 07.01.21)
- 2018** Karl Marx und das digitale Zeitalter, in: Klasse, Kapital und Revolution. 200 Jahre Marx. Dietz, Bonn, pp. 145–156.
- 2017** Zygmunt Bauman: Die Angst vor den anderen (Review). Widerspruch 70/2017, 164–168.

Teaching

- 2023** **Summer Institute for Computational Social Sciences (SICSS)**
Lecture and workshop on Computational Text Analysis
- Logic of Social Inquiry**
M.Sc.; Teaching Assistant; Linköping University
- 2022** **Logic of Social Inquiry**
M.Sc.; Teaching Assistant; Linköping University
- 2021** **Logic of Social Inquiry**
M.Sc.; Teaching Assistant; Linköping University
- 2019** **Introduction to Political Science**
B.A.; Teacher; University of Bonn
- Scientific Writing**
B.A.; Teacher; University of Bonn
- 2018** **Introduction to Political Science**
B.A.; Teacher; University of Bonn
- Introduction to Karl Marx' Capital (Reading Course)**
B.A.; Course Director; University of Bonn
- 2015** **Tutorial: Methods for Quantitative Sociology**
B.A.; Teaching Assistant; University of Bonn

Presentations

- 2024** **Language Models from the Sweatshop? Helping Researchers Avoid Ethical and Legal Issues With Off-The-Shelf Software**
Conference of the Nordic Sociological Association (NSA) 2024, Norrköping, Sweden (in session Pretrained models and sociology)
- Policymaking in Times of Crisis: Discursive Dynamics in U.S. Congress, 1960-1990**
Conference of the American Sociological Association (ASA) 2024, Montréal, Canada
- Markets as actors: Congressional speech between regulation and market freedom**
Conference of the International Network of Analytical Sociologists (INAS), Leipzig, Germany
- Economic Policymaking in U.S. Congress** (Lightning Talk)
Swedish Conference on Computational Social Science, Uppsala, Sweden
- 2023** **Language Models from the Sweatshop? Towards Guidelines For CSS Researchers to Avoid Ethical and Legal Issues With Off-The-Shelf Software.**
International Conference on Computational Social Sciences (IC2S2), Copenhagen, Denmark
- From Speeches to Bills: How do Discursive Dynamics Shape Policymaking in U.S. Congress?**
Conference of the International Network of Analytical Sociologists (INAS), Princeton, United States
- Taming Rogue Ethics: The Case for a Unified and Fair IRB Procedure**
STS-hub.de Conference, Rheinisch-Westfälische Technische Hochschule (RWTH) Aachen, Germany
- Disentangling the Discourse on U.S. Economic Policymaking**
Textual Politics Conference, Sciences Po, Paris, France.
- 2022** **Text als Daten: Extraktion von Variablen mittels LSTM-Netzwerken**
Kongress der Deutschen Gesellschaft für Soziologie, Bielefeld, Germany.
- Extracting Agency from Textual Data Using LSTM Networks**
Conference of the International Network of Analytical Sociologists, Florence, Italy.
- Technological A11y: Zettlr Beyond the Code**
Invited Talk; Staatliche Hochschule für Gestaltung, Karlsruhe, Germany
- 2019** **From Arab Spring to Gilets Jaunes: Riots and the annihilation of legality**
Historical Materialism Athens Conference, Greece.
- 2017** **Terrorismus und der War on Terror**
Master Thesis Presentation, Studentischer Soziologiekongress, TU Chemnitz, Germany.

Volunteering

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| 2020-2024 | Soziologiemagazin, Head of Editorial Board |
| Since 2018 | Soziologiemagazin, Editorial Board Member |
| Since 2017 | Zettlr Markdown Editor, Project Maintainer |

Languages

German (native), English (fluent, C1), Swedish (Moderate, A2), French (Moderate, A2)

Programming Languages & Frameworks

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| Scientific | Python, R, Stata, matplotlib, numpy, pandas, PyTorch |
| Front-End | JavaScript/TypeScript, HTML, LESS/SCSS/CSS, Vue.js |
| Back-End | Node.js, PHP, Rust, C/C++ |