

# Hendrik Erz

## PhD Student

Institute for Analytical Sociology (IAS)  
Linköping University

## Contact

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## Research Interests

Sociology of Culture, Quantitative Sociology, Natural Language Processing, Large Language Models, Text As Data, Deep learning/Machine Learning, Computational Social Science

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## Education

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|-------------------|--|
| <b>Since 2020</b> | PhD in Analytical Sociology, Linköping University              |
| <b>2017</b>       | M.A. in Sociology, University of Bonn                          |
| <b>2014</b>       | B.A. in History, University of Bonn (minor: Political Science) |

## Employment

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

## Publications

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|-------------|---|
| <b>2023</b> | 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> . <a href="https://publikationen.soziologie.de/index.php/kongressband_2022/article/view/1693">https://publikationen.soziologie.de/index.php/kongressband_2022/article/view/1693</a> |
| <b>2020</b> | Operative Porträts: eine Bildgeschichte der Identifizierbarkeit von Lavater bis Facebook. Von Roland Meyer. <i>Soziologiemagazin</i> 2020, 75–81. <a href="https://doi.org/10.3224/soz.v13i1.07">https://doi.org/10.3224/soz.v13i1.07</a>   |
| <b>2020</b> | 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](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

- 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 Policy-making 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

- Since 2020**      Soziologiemagazin, Head of Editorial Board
- Since 2017**      Zettlr Markdown Editor, Project Maintainer

## Languages

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

## Programming Languages & Frameworks

- Scientific**      Python, Stata, matplotlib, numpy, pandas, PyTorch
- Front-End**      JavaScript/TypeScript, HTML, LESS/SCSS/CSS

## Back-End

Node.js, PHP, Rust, C/C++