

Kirill Solovev

✉ solovev@posteo.de 📞 +49 176 42974897 🌐 ksolovev.com 📄 scholar profile

Education

2020 – 2024: **PhD in Data Science (Dr. rer. pol.)**, *University of Giessen*, Germany

Thesis: *Leveraging Unstructured Data to Address Societal Challenges in the Digital Age*

Grade: summa cum laude (highest distinction)

2016 – 2019: **MSc in Economics and Politics**, *University of Freiburg*, Germany

Thesis: *Deep Learning in Real Estate: Using Convolutional Neural Networks*

Grade: 4.0 (out of 4)

2011 – 2016: **BSc in Economics**, *Higher School of Economics* in collaboration with the
London School of Economics and Political Science (ICEF), Russia

Thesis: *The Meaning of Abstention*

Grade: 3.8 (out of 4)

Academic Experience

2020 – Present: **Research Associate**: *University of Giessen*, Germany

Contributed to impactful research in data science and computational social science while supporting education, mentorship, and technical infrastructure development

- **Research**: Published six peer-reviewed papers (H-Index: 5) at renowned outlets in data science and computational social science (e.g., *The Web Conference*, *PNAS Nexus*, *ICWSM*)
- **Teaching**: Led course in data science (200+ participants), undergraduate and graduate seminars in data science and text mining
- **Mentorship**: Supervised more than 50 bachelor and master theses in various fields including data science, finance, and management
- **IT Service**: Deployed and maintained a Docker-based server infrastructure utilized by researchers and students across multiple departments

2019 – 2020: **Research Assistant**: *University of Freiburg*, Germany

Assisted with research and education at the Chair of Information Systems

- **Research**: Assisted with design, execution, and evaluation of experiments contributing to information science research
- **Teaching**: Prepared teaching materials, evaluated exams, and conducted tutorials in data science

Teaching Experience

2020 – Present: **Data Science for Management** (*lecture with final exam*)

Data Science (*bachelor seminar*)

Data Science (*master seminar*)

Text Mining (*master seminar*)

2019 – 2020: **Introduction to Data Science** (*tutorial*)

Misc

Media Coverage

My research has been featured in leading German and international media outlets, including:

- **The Washington Post** covered our paper on Community Notes
- **Frankfurter Allgemeine Zeitung** took an interview with my co-authors
- **Psychology Today** covered our paper on the propagation of hate speech

Reviewing Activities

I reviewed manuscripts for leading academic conferences and journals, including:

- *The Web Conference*
- *Information Sciences*
- *European Conference on Information Systems (ECIS)*
- *Internationale Tagung Wirtschaftsinformatik (WI)*
- *Societies*

Conference Presentations

- 2024 **WebSci24**, Poster Session
- 2023 **ECPR General Conference**, Paper Presenter
- 2022 **The Web Conference**, Paper Presenter
- 2022 **Machine Learning Summer School**, Poster Session
- 2021 **The Web Conference**, Paper Presenter

Awards

- **Best Poster Award**, WebSci24 2024

Language Skills

- **Russian**: Native Speaker
- **English**: Proficient
- **German**: B2.2

Professional Experience

2014 **Project Manager**: [Dynamo Sports Society](#), Russia

Spearheaded social initiatives to improve accessibility within the sports sector:

- **Social Impact Projects**: Coordinated and implemented initiatives to enhance access to sports venues for underprivileged communities across Russia
- **Process Optimization**: Streamlined internal documentation processes, improving workflows and administrative efficiency

Research Interests

I am genuinely passionate about most things AI and computational social science, with particular interests in:

Social Media Analysis: Investigating online discourse and user behavior on social media platforms, with a particular focus on polarization, misinformation, hostility, and equity

Misinformation & Hate Speech: Understanding how misinformation, fake news, and hate speech spread in polarized digital environments and analyzing the impact of user engagement on their dissemination

Participatory Governance & Accountability: Advancing participatory governance models, such as user-driven labeling and moderation systems, to enhance platform transparency, accountability, and user-driven content moderation

Multi-modal Content Analysis: Extracting and analyzing data from multi-modal content (video, audio, and text) using state-of-the-art techniques, such as Large Language Models, Natural Language Processing, and Computer Vision, and integrating them into pipelines

Computational Analysis & Scalable Methods: Leveraging advanced ML and AI techniques to support efficient, large-scale, and reproducible research

Publications

Peer-reviewed

- 2024 Drolsbach, Chiara, **Solovev, Kirill**, & Pröllochs, Nicolas
[Community notes increase trust in fact-checking on social media](#)
PNAS Nexus 3 (7), *pgae217*
- 2024 Pilarski, Moritz, **Solovev, Kirill**, & Pröllochs, Nicolas
[Community notes vs. snoping: How the crowd selects fact-checking targets on social media](#)
ICWSM, 18, 1262-1275
- 2023 **Solovev, Kirill**, & Pröllochs, Nicolas
[Moralized language predicts hate speech on social media](#)
PNAS Nexus 2 (1), *pgac281*
- 2022 **Solovev, Kirill**, & Pröllochs, Nicolas
[Moral emotions shape the virality of COVID-19 misinformation on social media](#)
The Web Conference, 3706-3717
- 2022 **Solovev, Kirill**, & Pröllochs, Nicolas
[Hate speech in the political discourse on social media: Disparities across parties, gender, and ethnicity](#)
The Web Conference, 3656-3661
- 2021 **Solovev, Kirill**, & Pröllochs, Nicolas
[Integrating floor plans into hedonic models for rent price appraisal](#)
The Web Conference, 2838-2847

Workshop Papers & Posters

- 2024 Drolsbach, Chiara, **Solovev, Kirill**, & Pröllochs, Nicolas
[Community notes increase trust in fact-checking on social media](#)
WebSci24
- 2024 **Solovev, Kirill**, & Pröllochs, Nicolas
[Moralized language predicts hate speech on social media](#)
WebSci24
- 2023 **Solovev, Kirill**, & Pröllochs, Nicolas
[Hate speech in the political discourse on social media: Disparities across parties, gender, and ethnicity](#)
ECPR General Conference
- 2021 **Solovev, Kirill**, & Pröllochs, Nicolas
[Integrating floor plans into hedonic models for rent price appraisal](#)
Machine Learning Summer School