

Kilian Buehling
Postdoctoral researcher
University of Tübingen
Freie Universität Berlin / Weizenbaum Institute for the Networked Society

kilian.buehling@uni-tuebingen.de

<https://github.com/buehlk>

Academic Positions

| | |
|-------------|--|
| 2025 – now | University of Tübingen, Institute for Research on Far Right Extremism (IRex) Postdoctoral Research Associate |
| 2021 – 2025 | Free University Berlin / Weizenbaum Institute for the Networked Society - The German Internet Institute, Germany Postdoctoral Research Associate |
| 2024 | University of Zurich, Department of Communication and Media Research, Switzerland Visiting Researcher |
| 2017 – 2021 | Technische Universität Dresden, Research Group Knowledge and Technology Transfer, Germany Research Associate |
| 2019 | Indiana University, Luddy School of Informatics, Computing, and Engineering, USA Visiting Researcher |

Education

| | |
|------|---|
| 2023 | Technische Universität Dresden, Faculty of Economics Ph.D. in Economics Dissertation: <i>How Economic Incentives in Science Shape Knowledge Transfer and Knowledge Creation</i> |
| 2017 | Technische Universität Dresden, Faculty of Economics M. Sc. in Economics Thesis: <i>Comparison of Cognitive Biases in Individual and Team Decisions - An Agent-Based Simulation Based on the El Farol Bar Problem</i> |

Scholarly publications

Buehling, K., Becker, J., Zhang, X., Heft, A. (forthcoming). Rechte Verschwörungstheorien in hyperparteiischen Medien – Was hätte ein Verbot des Compact-Magazins für das anti-demokratische Online-Ökosystem bedeutet? In *Wissen schafft Demokratie. Schwerpunkt Demokratiegefährdung online*, Band 18. Jena

Schulze H., **Buehling, K.**, Zehring, M. (forthcoming). The Telegram COVID-19 Protest Dataset 2020-2022. *Computational Communication Research*.

Pasitselska, O., **Buehling, K.**, & Gagrčin, E. (2025). Chat groups as local civic infrastructure: A case study of "Solidary neighborhood help" Telegram groups during the COVID-19 pandemic in Germany. *New Media & Society*, 0(0). <https://doi.org/10.1177/14614448251349426>

Schindler, J., Jha, S., Zhang, X., **Buehling, K.**, Heft, A., & Barahona, M. (2025). LGDE: Local Graph-based Dictionary Expansion. *Computational Linguistics*, 1–32. https://doi.org/10.1162/coli_a_00562

Buehling, K., Zhang, X., & Heft, A. (2025). Veiled conspiracism: Particularities and convergence in the styles and functions of conspiracy-related communication across digital platforms. *New Media & Society*, 0(0). <https://doi.org/10.1177/14614448251315756>

Heft, A., **Buehling, K.**, Zhang, X., Schindler, D., & Milzner, M. (2024). Challenges of and approaches to data collection across platforms and time: Conspiracy-related digital traces as examples of political contention. *Journal of Information Technology & Politics*, 21(3), 323-339. <https://doi.org/10.1080/19331681.2023.2250779>

Buehling, K. (2024). Message Deletion on Telegram: Affected Data Types and Implications for Computational Analysis. *Communication Methods and Measures*, 18(1), 92-114. <https://doi.org/10.1080/19312458.2023.2183188>

Buehling, K., & Heft, A. (2023). Pandemic Protesters on Telegram: How Platform Affordances and Information Ecosystems Shape Digital Counterpublics. *Social Media + Society*, 9(3), 20563051231199430. <https://doi.org/10.1177/20563051231199430>

Jost, P., Heft, A., **Buehling, K.**, Zehring, M., Schulze, H., Bitzmann, H., & Domahidi, E. (2023). Mapping a Dark Space: Challenges in Sampling and Classifying Non- Institutionalized Actors on Telegram. *M&K Medien & Kommunikationswissenschaft*, 71(3–4), 212–229. <https://doi.org/10.5771/1615-634X-2023-3-4-212>

Heft, A., & **Buehling, K.** (2022). Measuring the diffusion of conspiracy theories in digital information ecologies. *Convergence: The International Journal of Research into New Media Technologies*, 28(4), 940–961. <https://doi.org/10.1177/13548565221091809>

Kindt, A.-M., Geissler, M., & **Buehling, K.** (2022). Be my (little) partner?!—Universities' role in regional innovation systems when large firms are rare. *Journal of Regional Science*, 62(5), 1274-1295. <https://doi.org/10.1111/jors.12596>

Buehling, K., Geissler, M., & Strecker, D. (2022). Free access to scientific literature and its influence on the publishing activity in developing countries: The effect of Sci-Hub in the field of mathematics. *Journal of the Association for Information Science and Technology*, 73(9), 1336-1355. <https://doi.org/10.1002/asi.24636>

Buehling, K., & Geissler, M. (2022). PhDs with Industry Partners—Assessing Collaboration and Topic Distribution Using a Text Mining Methodology. In *University-Industry Knowledge Interactions* (pp. 9-24). Springer, Cham. https://doi.org/10.1007/978-3-030-84669-5_2

Bueckle, A., **Buehling, K.**, Shih, P. C., & Börner, K. (2022). Optimizing Performance and Satisfaction in Matching and Movement Tasks in Virtual Reality with Interventions Using the Data Visualization Literacy Framework. *Frontiers in Virtual Reality*, 2. <https://www.frontiersin.org/article/10.3389/frvir.2021.727344>

Buehling, K. (2021). Changing research topic trends as an effect of publication rankings – The case of German economists and the Handelsblatt Ranking. *Journal of Informetrics*, 15(3), 101199. <https://doi.org/10.1016/j.joi.2021.101199>

Bueckle, A., **Buehling, K.**, Shih, P. C., & Börner, K. (2021). 3D virtual reality vs. 2D desktop registration user interface comparison. *PLOS ONE*, 16(10), e0258103. <https://doi.org/10.1371/journal.pone.0258103>

Working papers

Fan, Y., **Buehling, K.**, & Stocker, V. (2025). Beyond Citations: Measuring Idea-level Knowledge Diffusion from Research to Journalism and Policy-making (Version 1). *arXiv*. <https://doi.org/10.48550/ARXIV.2511.03378>

Other

Zhang, X., Becker, J., **Buehling, K.**, Heft, A. (2024, December 18). Die Transnationalität rechtsextremer Verschwörungstheorien online und ihre länderspezifische Adaption. NEOVEX Blog. <https://neovex-projekt.de/die-transnationalitat-rechtsextremer-verschwörungstheorien-online-und-ihre-landerspezifische-adaption/>

Buehling, K., Heft, A., Zhang, X. (2024, March 12). Der Ton macht die Musik – Die sprachlichen Finessen von Verschwörungserzählungen auf digitalen Plattformen. NEOVEX Blog. <https://neovex-projekt.de/der-ton-macht-die-musik-die-sprachlichen-finessen-von-verschwörungserzählungen-auf-digitalen-plattformen/>

Buehling, K. (2023, July 5). How well can conspiracy theory content be measured on social media? It's a matter of time! *DigiMoD Blog*. <https://digimod.weizenbaum-institut.de/how-well-can-conspiracy-theory-content-be-measured-on-social-media/>

Buehling, K. (2023, April 17). Wie gut kann man verschwörungstheoretische Inhalte auf Social Media messen? Alles eine Frage der Zeit! *NEOVEX Blog*. <https://neovex-projekt.de/wie-gut-kann-man-verschwörungstheoretische-inhalte-auf-social-media-messen-alles-eine-frage-der-zeit/>

Buehling, K., & Heft, A. (2022, June 15). Wie wird die Verbreitung von Verschwörungstheorien gemessen? *NEOVEX Blog*. <https://neovex-projekt.de/2022/2541/>

Buehling, K. (2022). *fouRplebsAPI: R package for accessing 4chan posts via the 4plebs.org API (0.9.0)* [R]. <https://doi.org/10.5281/zenodo.6637440>

Teaching

Freie Universität Berlin

| | |
|------|---|
| 2025 | Information Disorders |
| 2024 | Anti-democratic mobilization on messenger apps – working with Telegram data (University of Zurich, guest lecture) |
| 2024 | Digital trace data collection (University of Tübingen, guest lecture) |
| 2024 | Telegram and its affordances for anti-democratic mobilization (University of Groningen, guest lecture) |
| 2023 | Introduction to digital trace data (Workshop) |

Technische Universität Dresden

| | |
|------|---|
| 2019 | Scientific working [<i>Wissenschaftliches und praktisches Arbeiten</i>] |
| 2018 | Scientific working [<i>Wissenschaftliches und praktisches Arbeiten</i>] |
| 2017 | Applied Econometrics (Exercise) [<i>Quantitative Verfahren – Ökonometrische Modelle und Ihre Anwendungen</i>] |

Conferences and Talks

| | |
|------|---|
| 2025 | Association of Internet Researchers (AoIR) Conference, Niteroi, Brazil |
| 2025 | Computational Visual Media Research Symposium, Universität Zürich, Zürich, Switzerland |
| 2025 | Expert:innenworkshop: "Ideologieklassifizierung nicht-institutionalisierter Akteur:innen in digitalen Räumen", Weizenbaum Institute, Berlin, Germany |
| 2025 | 75 th Annual ICA Conference: Disrupting and Consolidating Communication Research, Denver, CO, USA |
| 2025 | 7 th Weizenbaum Conference: "Empowering People in Online Spaces: Democracy and Well-being in Digital Societies", Berlin. |
| 2025 | Workshop: Current Issues and Projects in Political Communication and Digital Public Spheres, Weizenbaum-Institute, Berlin, Germany |
| 2025 | 70. Jahrestagung DGPK, Institut für Publizistik und Kommunikationswissenschaft and Weizenbaum Institut, Berlin, Germany |
| 2025 | Jahrestagung 2025 der Fachgruppen „Kommunikation und Politik“ (DGPK), „AK Politik und Kommunikation“ (DVPW) und „Politische Kommunikation“ (SGKM), Universität Innsbruck, Austria |
| 2024 | Workshop: Conditions of Success for the Far-Right: A One-Day Exploration of Communication Strategies, Critique and Scholarly Insights, Freie Universität Berlin, Berlin, Germany |
| 2024 | Workshop: Visual Aspects of Political Communication and Digital Platforms, Collegium Helveticum, Zurich, Switzerland |

| | |
|------------------|---|
| 2024 | Workshop: Contextualizing Misinformation Research - Theoretical, Empirical, and Legal Frameworks, Weizenbaum Institute, Berlin, Germany |
| 2024 | ECREA - 10 th European Communication Conference: Ljubljana, Slovenia |
| 2024 | Weizenbaum Conference 2024, Weizenbaum Institute, Berlin, Germany |
| 2024 | 74 th Annual ICA Conference: Communication and Global Human Rights, Gold Coast, Australia |
| 2024 | 69. Jahrestagung der DGPUK, Erfurt, Germany |
| 2023 | ECREA Political Communication Section Conference 2023, Weizenbaum Berlin, Germany |
| 2023 | International Society for Informetrics and Scientometrics Conference (ISSI) Bloomington, Indiana, USA |
| 2023 | 73rd Annual ICA Conference: Reclaiming Authenticity in Communication, Toronto, Canada |
| 2022 | Digital Democracy Workshop, University of Zurich, Zurich, Switzerland |
| 2022 | ECREA Post-Conference: "Digital media and information disorders: Theorizing and investigating influence operations, impact and contextual factors", Aarhus, Denmark |
| 2022 | ECREA - 9 th European Communication Conference: "Rethink Impact", Aarhus, Denmark |
| 2022 | 23. Tagung der Fachgruppe Methoden der Publizistik- und Kommunikationswissenschaft der DGPUK, Munich, Germany |
| 2022 | 12th International Conference on Social Media & Society, online |
| 2021 | Media and Publics Conference, Roskilde, Denmark |
| 2021, 2019, 2018 | INNcentive Workshop on Quantitative Innovation Research, Bremen, Germany |
| 2021 | Research Colloquium of the Faculty of Business and Economics of the TU Dresden, Dresden, Germany |
| 2019 | European Meeting on Applied Evolutionary Economics (EMAE): Economics, Governance and Management of AI, Robots and Digital Transformations, Brighton, United Kingdom |
| 2018 | 12th Workshop on the Organization, Economics and Policy of Scientific Research, Bath, United Kingdom |

Additional Training

| | |
|------|---|
| 2021 | 10 th GESIS Summer School on Collecting and Analyzing Longitudinal Social Network Data |
| 2020 | Tableau Desktop I&II: Intermediate Level Certificate |
| 2018 | European Summer School for Scientometrics, Wien |
| 2018 | Massachusetts Institute of Technology Battlecode Challenge |
| 2017 | 37 th GESIS Methods Seminar on Text Mining with R, Cologne, Germany |

Awards, Grants, & Fellowships

| | |
|------|--|
| 2024 | Deutsche Gesellschaft für Publizistik- und Kommunikationswissenschaft: Best journal paper in communication science 2023 (2 nd prize) for Jost et al. (2023) |
| 2024 | Journal of the Association of Information Science and Technology: Most downloaded paper award for Buehling et al. (2022) |
| 2023 | Weizenbaum Institute Interdisciplinary Project Seed Funding (8,000 €) |
| 2018 | INNcentive Fellowship for Empirical Innovation Research (3,000 €) |

Skills

| | |
|-----------|--|
| Languages | German (native), English (business fluent), Russian (basic), Latin (basic) |
| Computing | R, Python, SQL, Tableau, Microsoft Office, Stata, SPSS, Matlab |

Service to the discipline

2024 Early career scholar representative for the Methods division of the German Society for
Communication Science (DGPuK)

Berlin, 11 November 2025