

# Dr. Johannes Breuer

SENIOR RESEARCHER & TEAM LEADER

GESIS - Leibniz Institute for the Social Sciences, Department Computational Social Science

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## Research interests

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- Use and effects of digital media
- Online information & news consumption
- Digital trace data
- Computational methods
- Open science
- Data management
- Meta-science

## Skills

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- Statistical analyses (advanced)
- Data management (advanced)
- Data visualization (advanced)
- Text mining (advanced)
- Machine learning (intermediate)
- R/RStudio (advanced)
- Python (intermediate)
- Git (intermediate)
- SQL (basic)

## Education

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### University of Cologne

PHD IN PSYCHOLOGY

Cologne

10/2007 - 12/2013

- Thesis Title: 'Alles nur ein Spiel? Computer- und Videospiele, Lernen und Aggression' [Just a game? Computer and video games, learning, and aggression]

### University of Cologne

DIPLOM (EQUIVALENT TO MASTER'S DEGREE) IN MEDIA STUDIES

Cologne

10/2002 - 04/2007

- Thesis Title: 'Spielen - Daddeln - Zocken. Konzepte der Mediennutzung im Kontext der Computer- und Videospiele' [Concepts of media use in the context of computer and video games]

## Employment history

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### GESIS - Leibniz Institute for the Social Sciences

TEAM LEADER

Cologne

Since 04/2024

- Department Computational Social Science, Team Digital Society Observatory

### GESIS - Leibniz Institute for the Social Sciences

SENIOR RESEARCHER

Cologne

10/2023 - 04/2024

- Department Computational Social Science, Team Digital Society Observatory

### Center for Advanced Internet Studies (CAIS)

TEAM LEADER

Bochum

07/2021 - 04/2024

- Team Research Data & Methods

## GESIS - Leibniz Institute for the Social Sciences

SENIOR RESEARCHER

- Department Survey Data Curation, Team Survey Data Augmentation

Cologne

04/2017 - 09/2023

## Leibniz-Institut für Wissensmedien

POSTDOCTORAL RESEARCHER

- ERC project 'Redefining Tie Strength - How social media (can) help us to get non-redundant useful information and emotional support' (Re-DefTie, PI: Prof. Dr. Sonja Utz)

Tübingen

04/2015 - 03/2017

## University of Cologne

POSTDOCTORAL RESEARCHER & LECTURER

- Department of Psychology, Chair of Media & Communication Psychology (Prof. Dr. Gary Bente)

Cologne

10/2014 - 03/2017

## University of Münster

RESEARCHER

- ERC project 'The social fabric of virtual life: A longitudinal multi-method study on the social foundations of online gaming' (SOFOGA, PI: Prof. Dr. Thorsten Quandt)

Münster

10/2012 - 12/2014

## University of Hohenheim

RESEARCHER

- ERC project 'The social fabric of virtual life: A longitudinal multi-method study on the social foundations of online gaming' (SOFOGA, PI: Prof. Dr. Thorsten Quandt)

Stuttgart

01/2010 - 09/2012

## University of Cologne

RESEARCHER

- EU project 'Psychologically Augmented Social Interaction Over Networks' (PASION, PI: Prof. Dr. Gary Bente)

Cologne

06/2007 - 03/2010

## Grants

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### Automating Reproducibility in Economics and the Social Sciences

CO-PI WITH SEBASTIAN KRANZ, ANSGAR SCHERP, ALEXANDER RIEBER, ARNIM BLEIER, AND JÖRG ANKEL-PETERS

- 1290000 Euro

DFG (LIS)

Planned for June 2025 - June 2028

### Fostering Proactive Replicability in Computational Communication Science via Frontloading Effort and Automating Protocols

PROJECT WITHIN THE PRIORITY PROGRAM META-REP (CO-PI TOGETHER WITH MARIO HAIM)

- 443000 Euro

DFG

Planned for March 2025 - March 2028

### Wi4impact – Understanding the impact of knowledge in the context of digitalization

CO-PI WITH SIMONE HAASLER, LYDIA REPKE, AND SOPHIE ZERVOS

- 483000 Euro

BMBF

August 2022 - August 2025

### What Defines and Affects Replicability in Computational Communication Science?

PROJECT WITHIN THE PRIORITY PROGRAM META-REP (CO-PI TOGETHER WITH MARIO HAIM)

- 165000 Euro

DFG

March 2022 - March 2025

### Integrating Surveys and Digital Behavioral Data

GESIS INTERNAL RESEARCH GRANT (CO-APPLICANT WITH SEBASTIAN STIER, PASCAL SIEGERS, AND TOBIAS GUMMER)

- 45000 Euro

GESIS

June 2018 - June 2019

### Integrating and Analyzing Data from Surveys and Social Media

INTERNATIONAL SYMPOSIUM (CO-APPLICANT WITH SEBASTIAN STIER AND PASCAL SIEGERS)

- 15000 Euro

CAIS

February 2018

### Quizard - Entwicklung und Erprobung eines mobilen Quizspiels für die Lehre und das selbstgeleitete Lernen [Quizard - Developing and testing a mobile quiz game for teaching and self-directed learning]

UNIVERSITY OF COLOGNE INNOVATIONS IN TEACHING GRANT (CO-APPLICANT WITH KAI KASPAR AND GARY BENTE)

- 62900 Euro

University of Cologne

October 2015 - April 2017

## Awards & Distinctions

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### **GESIS Research Award for Cross-Departmental Collaboration**

TOGETHER WITH ESRA AKDENIZ, KERRIN BORSCHIEWSKI, & YEVHEN VORONIN

GESIS

October 2024

### **GESIS Research Award for Cross-Departmental Collaboration**

TOGETHER WITH HENNING SILBER, CHRISTOPH BEUTHNER, TOBIAS GUMMER, FLORIAN KEUSCH, PASCAL SIEGERS, SEBASTIAN STIER, & BERND WEISS

GESIS

November 2023

### **Placement on the final list for a position as associate professor of communication and media studies with a focus on methodological innovation**

University of Bremen

February 2022

### **Placed 1st on appointment list for assistant professor for computational research at the Tilburg Center for Cognition and Communication**

Tilburg University

OFFER TURNED DOWN

August 2020

### **Best preregistered study award**

TOGETHER WITH NICHOLAS D. BOWMAN, JOHN A. VELEZ, & TIM WULF

11th Conference of the Media

Psychology Division

September 2019

### **Performance bonus for exceptional performance in creating and implementing the GESIS Research Day**

TOGETHER WITH JOHANNES BLUMENBERG, JULIA DRZERVITZKY, JAN-LUCAS-SCHANZE, SONJA SCHULZ, HEIDI SCHULZE, & BENJAMIN ZAPILKO

GESIS

May 2019

### **Winner science slam**

University of Hohenheim

July 2011

### **Various competitive (conference) travel grants**

DAAD

2008 - 2015

## Publications

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### PEER-REVIEWED JOURNAL PAPERS

44. Stier, S., Siegers, P., & **Breuer, J.** (2025). Radical right populism and the media: Evidence from the supply side and demand side of political information in Germany. *European Sociological Review*, Accepted for publication.
43. Silber, H., **Breuer, J.**, Felderer, B., Gerdon, F., Stammann, P., Daikeler, J., Keusch, F., & Weiß, B. (2024). Asking for Traces: A Vignette Study on Acceptability Norms and Personal Willingness to Donate Digital Trace Data. *Social Science Computer Review*, Advance online publication. <https://doi.org/10.1177/08944393241305776>
42. Wähner, M., Deubel, A., **Breuer, J.**, & Weller, K. (2024). "Don't research us"—How Mastodon instance rules connect to research ethics. *Publizistik*, Advance online publication. <https://doi.org/10.1007/s11616-024-00855-6>
41. Knöpfle, P., Haim, M., & **Breuer, J.** (2024). Key topic or bare necessity? How Research Ethics are Addressed and Discussed in Computational Communication Science. *Publizistik*, Advance online publication. <https://doi.org/10.1007/s11616-024-00846-7>
40. Batzdorfer, V., Zenk-Möltgen, W., Young, L., Katsanidou, A., **Breuer, J.**, & Bishop, L. (2024). Between urgency and data quality: Assessing the FAIRness of data in social science research on the COVID-19 pandemic. *Research Ethics*, Advance online publication. <https://doi.org/10.1177/17470161241257575>
39. **Breuer, J.**, Kmetty, Z., Haim, M., & Stier, S. (2023). User-centric approaches for collecting Facebook data in the "post-API age": Experiences from two studies and recommendations for future research. *Information, Communication & Society*, 26(14), 2649–2668. <https://doi.org/10.1080/1369118X.2022.2097015>
38. Von Andrian-Werburg, M. T. P., Siegers, P., & **Breuer, J.** (2023). A Re-evaluation of Online Pornography Use in Germany: A Combination of Web Tracking and Survey Data Analysis. *Archives of Sexual Behavior*, Advance online publication. <https://doi.org/10.1007/s10508-023-02666-8>
37. Schnauber-Stockmann, A., Scharnow, M., & **Breuer, J.** (2023). Routines and the Predictability of Day-to-Day Web Use. *Media Psychology*, 26(3), 229–251. <https://doi.org/10.1080/15213269.2022.2121286>

36. Bowman, N. D., Velez, J., Wulf, T., **Breuer, J.**, Yoshimura, K., & Resignato, L. J. (2023). That bygone feeling: Controller ergonomics and nostalgia in video game play. *Psychology of Popular Media*, 12(2), 147–158. <https://doi.org/10.1037/ppm0000382>
35. Akdeniz, E., Borschewski, K. E., **Breuer, J.**, & Voronin, Y. (2023). Sharing social media data: The role of past experiences, attitudes, norms, and perceived behavioral control. *Frontiers in Big Data*, 5. <https://doi.org/10.3389/fdata.2022.971974>
34. Silber, H., **Breuer, J.**, Beuthner, C., Gummer, T., Keusch, F., Siegers, P., Stier, S., & Weiß, B. (2022). Linking surveys and digital trace data: Insights from two studies on determinants of data sharing behaviour. *Journal of the Royal Statistical Society: Series A (Statistics in Society)*, 185, 387–407. <https://doi.org/10.1111/rssa.12954>
33. Stier, S., Weiß, B., Hartmann, T., Flöck, F., **Breuer, J.**, Schaurer, I., & Kummerow, M. (2022). The role of the information environment during the first COVID-19 wave in Germany. *Political Research Exchange*, 4(1), Advance online publication. <https://doi.org/10.1080/2474736X.2022.2135451>
32. Ratan, R., Chen, V., De Grove, F., **Breuer, J.**, Quandt, T., & Williams, P. (2022). Gender, Gaming Motives, and Genre: Comparing Singaporean, German, and American Players. *IEEE Transactions on Games*, 14(3), 456–465. <https://doi.org/10.1109/TG.2021.3116077>
31. Mangold, F., Stier, S., **Breuer, J.**, & Scharkow, M. (2022). The overstated generational gap in online news use? A consolidated infrastructural perspective. *New Media & Society*, 24(10), 2207–2226. <https://doi.org/10.1177/1461444821989972>
30. Stier, S., Mangold, F., Scharkow, M., & **Breuer, J.** (2022). Post Post-Broadcast Democracy? News Exposure in the Age of Online Intermediaries. *American Political Science Review*, 116(2), 768–774. <https://doi.org/10.1017/S0003055421001222>
29. Haim, M., **Breuer, J.**, & Stier, S. (2021). Do News Actually “Find Me”? Using Digital Behavioral Data to Study the News-Finds-Me Phenomenon. *Social Media + Society*, 7(3), Advance online publication. <https://doi.org/10.1177/20563051211033820>
28. Dienlin, T., Johannes, N., Bowman, N. D., Masur, P. K., Engesser, S., Kümpel, A. S., Lukito, J., Bier, L. M., Zhang, R., Johnson, B. K., Huskey, R., Schneider, F. M., **Breuer, J.**, Parry, D. A., Vermeulen, I., Fisher, J. T., Banks, J., Weber, R., Ellis, D. A., ... De Vreese, C. (2021). An Agenda for Open Science in Communication. *Journal of Communication*, 71(1), 1–26. <https://doi.org/10.1093/joc/jqz052>
27. Wulf, T., **Breuer, J.**, & Schmitt, J. B. (2021). Escaping the pandemic present: The relationship between nostalgic media use, escapism, and well-being during the COVID-19 pandemic. *Psychology of Popular Media*, Advance online publication. <https://doi.org/10.1037/ppm0000357>
26. Schmitt, J. B., **Breuer, J.**, & Wulf, T. (2021). From cognitive overload to digital detox: Psychological implications of telework during the COVID-19 pandemic. *Computers in Human Behavior*, 124, Advance online publication. <https://doi.org/10.1016/j.chb.2021.106899>
25. Rüth, M., **Breuer, J.**, Zimmermann, D., & Kaspar, K. (2021). The Effects of Different Feedback Types on Learning With Mobile Quiz Apps. *Frontiers in Psychology*, 12. <https://doi.org/10.3389/fpsyg.2021.665144>
24. **Breuer, J.**, Al Baghal, T., Sloan, L., Bishop, L., Kondyli, D., & Linardis, A. (2021). Informed consent for linking survey and social media data - Differences between platforms and data types. *IASSIST Quarterly*, 45(1), 1–27. <https://doi.org/10.29173/iq988>
23. **Breuer, J.**, Bishop, L., & Kinder-Kurlanda, K. (2020). The practical and ethical challenges in acquiring and sharing digital trace data: Negotiating public-private partnerships. *New Media & Society*, 22(11), 2058–2080. <https://doi.org/10.1177/1461444820924622>
22. Scharkow, M., Mangold, F., Stier, S., & **Breuer, J.** (2020). How social network sites and other online intermediaries increase exposure to news. *Proceedings of the National Academy of Sciences*, 117(6), 2761–2763. <https://doi.org/10.1073/pnas.1918279117>
21. Wulf, T., Bowman, N. D., Velez, J., & **Breuer, J.** (2020). Once upon a game: Exploring video game nostalgia and its impact on well-being. *Psychology of Popular Media Culture*, 8(1), 83–95. <https://doi.org/10.1037/ppm0000208>
20. Utz, S., & **Breuer, J.** (2019). The Relationship Between Networking, LinkedIn Use, and Retrieving Informational Benefits. *Cyberpsychology, Behavior, and Social Networking*, 22(3), 180–185. <https://doi.org/10.1089/cyber.2018.0294>
19. Koban, K., **Breuer, J.**, Rieger, D., Mohseni, M. R., Noack, S., Bente, G., & Ohler, P. (2019). Playing for the thrill and skill. Quiz games as means for mood and competence repair. *Media Psychology*, 22(5), 743–768. <https://doi.org/10.1080/15213269.2018.1515637>
18. Wulf, T., Bowman, N. D., Rieger, D., Velez, J., & **Breuer, J.** (2018). Video games as time machines: Video game nostalgia and the success of retro gaming. *Media and Communication*, 2(6), 60–68. <https://doi.org/10.1080/15213269.2018.1515637>

17. **Breuer, J.**, & Tolks, D. (2018). Grenzen von Serious Games for Health [Limits of Serious Games for Health]. *Prävention Und Gesundheitsförderung*, 4(13), 327–332. <https://doi.org/10.1007/s11553-018-0654-1>
16. Klein, O., Hardwicke, T. E., Aust, F., **Breuer, J.**, Danielsson, H., Mohr, A. H., IJzerman, H., Nilsson, G., & Frank, M. C. (2018). A practical guide for transparency in psychological science. *Collabra: Psychology*, 4(1). <https://doi.org/10.1525/collabra.158>
15. Domahidi, E., **Breuer, J.**, Kowert, R., Festl, R., & Quandt, T. (2018). A Longitudinal Analysis of Gaming- and Non-Gaming-Related Friendships and Social Support among Social Online Game Players. *Media Psychology*, 21(2), 288–307. <https://doi.org/10.1080/15213269.2016.1257393>
14. Utz, S., & **Breuer, J.** (2017). The Relationship Between Use of Social Network Sites, Online Social Support, and Well-Being - Results From a Six-Wave Longitudinal Study. *Journal of Media Psychology*, 29(3), 115–125. <https://doi.org/10.1027/1864-1105/a000222>
13. **Breuer, J.**, Velez, J., Bowman, N. D., Wulf, T., & Bente, G. (2017). “Drive the lane; together, hard!”: An examination of the effects of supportive co-playing and task difficulty on prosocial behavior. *Journal of Media Psychology*, 29(1), 31–41. <https://doi.org/10.1027/1864-1105/a000209>
12. Utz, S., & **Breuer, J.** (2016). Informational benefits from social media use for professional purposes: Results from a longitudinal study. *Cyberpsychology: Journal of Psychosocial Research on Cyberspace*, 10(4). <https://doi.org/10.5817/CP2016-4-3>
11. De Grove, F., **Breuer, J.**, Chen, V. H. H., Quandt, T., Ratan, R., & Van Looy, J. (2016). Validating the Digital Games Motivation Scale for Comparative Research Between Countries. *Communication Research Reports*, 34(1), 37–47. <https://doi.org/10.1080/08824096.2016.1250070>
10. **Breuer, J.**, Kowert, R., Festl, R., & Quandt, T. (2015). Sexist games = sexist gamers? A longitudinal study on the relationship between video game use and sexist attitudes. *Cyberpsychology, Behavior, and Social Networking*, 18(4), 197–202. <https://doi.org/10.1089/cyber.2014.0492>
9. **Breuer, J.**, Scharkow, M., & Quandt, T. (2015). Sore Losers? A Reexamination of the Frustration for Colocated Video Game Play. *Psychology of Popular Media Culture*, 4(2), 126–137. <https://doi.org/10.1037/ppm0000020>
8. **Breuer, J.**, Vogelgesang, J., Quandt, T., & Festl, R. (2015). Violent Video Games and Physical Aggression: Evidence for a Selection Effect Among Adolescents. *Psychology of Popular Media Culture*, 4(4), 305–328. <https://doi.org/10.1037/ppm0000035>
7. Elson, M., **Breuer, J.**, van Looy, J., Kneer, J., & Quandt, T. (2015). Comparing Apples and Oranges? Evidence for Pace of Action as a Confound in Research on Digital Games and Aggression. *Psychology of Popular Media Culture*, 4(2), 112–125. <https://doi.org/10.1037/ppm0000010>
6. **Breuer, J.**, Scharkow, M., & Quandt, T. (2014). Tunnel Vision or Desensitization? The Effect of Interactivity and Frequency of Use on the Perception and Evaluation of Violence in Digital Games. *Journal of Media Psychology: Theories, Methods, and Applications*, 26(4), 176–188. <https://doi.org/10.1027/1864-1105/a000122>
5. Elson, M., **Breuer, J.**, Ivory, J., & Quandt, T. (2014). More Than Stories With Buttons: Narrative, Mechanics, and Context as Determinants of Player Experience in Digital Games. *Journal of Communication*, 64(3), 521–542. <https://doi.org/10.1111/jcom.12096>
4. **Breuer, J.**, Festl, R., & Quandt, T. (2014). Aggression and Preference for First-Person Shooter and Action Games: Data From a Large-Scale Survey of German Gamers Aged 14 and Above. *Communication Research Reports*, 31(2). <https://doi.org/10.1080/08824096.2014.907146>
3. Elson, M., Mohseni, M. R., **Breuer, J.**, Scharkow, M., & Quandt, T. (2014). Press CRTT to Measure Aggressive Behavior: The Unstandardized Use of the Competitive Reaction Time Task in Aggression Research. *Psychological Assessment*, 26(2), 419–432. <https://doi.org/10.1037/a0035569>
2. **Breuer, J.**, Festl, R., & Quandt, T. (2012). Digital war: An empirical analysis of narrative elements in military first-person shooters. *Journal of Gaming & Virtual Worlds*, 4(3), 215–237. [https://doi.org/10.1386/jgvw.4.3.215\\_1](https://doi.org/10.1386/jgvw.4.3.215_1)
1. **Breuer, J.**, & Bente, G. (2010). Why so serious? On the relation of serious games and learning. *Eludamos - Journal for Computer Game Culture*, 4(1), 7–24.

#### OTHER JOURNAL PUBLICATIONS (NOT PEER-REVIEWED)

12. **Breuer, J.**, & Haim, M. (2024). Are We Replicating Yet? Reproduction and Replication in Communication Research. *Media and Communication*, 12. <https://doi.org/10.17645/mac.8382>
11. Strippel, C., **Breuer, J.**, Fürst, S., Koenen, E., Prandner, D., & Schwarzenegger, C. (2023). Neue Publikationsformate zu offenen Infrastrukturen und Ressourcen für die Kommunikations- und Medienforschung: Ein Erfahrungsbericht [New publication formats on open infrastructures and resources for communication and media

- research: A field report]. *MedienJournal*, 47(3), 46–58. <https://doi.org/10.24989/medienjournal.v47i3.2627>
10. Kohne, J., Schmitt, J. B., & **Breuer, J.** (2023). Einführung: Digitalisierungsforschung. Ein Einblick in die Bandbreite der Forschung zu und mit digitalen Daten [Introduction: Digitalization Research. An insight into the range of research on and with digital data]. *Easy Social Sciences*, 69, 3–10. <https://doi.org/10.15464/EASY.2023.07>
  9. Strippel, C., **Breuer, J.**, Fürst, S., Koenen, E., Prandner, D., & Schwarzenegger, C. (2023). Editorial: Data, archives, and tools: Introducing new publication formats on infrastructures and resources for communication and media research. *Publizistik*, Advance online publication. <https://doi.org/10.1007/s11616-023-00806-7>
  8. Schmitt, J. B., Kohne, J., & **Breuer, J.** (2023). Einführung: Digitalisierungsforschung. Wie wir die digitale Transformation wissenschaftlich erfassen können [Introduction: Digitization Research. How we can capture the digital transformation scientifically]. *Easy Social Sciences*, 68, 4–11. <https://doi.org/10.15464/EASY.2023.01>
  7. Dienlin, T., & **Breuer, J.** (2023). Privacy Is Dead, Long Live Privacy!: Two Diverging Perspectives on Current Issues Related to Privacy. *Journal of Media Psychology*, 35(3), 159–168. <https://doi.org/10.1027/1864-1105/a000357>
  6. Peter, C., **Breuer, J.**, Masur, P. K., Scharnow, M., & Schwarzenegger, C. (2020). Empfehlungen zum Umgang mit Forschungsdaten in der Kommunikationswissenschaft [Guidelines for handling research data in communication science]. *SCM Studies in Communication and Media*, 9(4), 599–626. <https://doi.org/10.5771/2192-4007-2020-4-599>
  5. Trixa, J., & **Breuer, J.** (2020). Press Start: Digitale Spiele im Unterricht [Press Start: Digital games in the classroom]. *Grundschule*, 05/2020, 53–55.
  4. Stier, S., **Breuer, J.**, Siegers, P., & Thorson, K. (2020). Integrating Survey Data and Digital Trace Data: Key Issues in Developing an Emerging Field. *Social Science Computer Review*, 38(5), 503–516. <https://doi.org/10.1177/0894439319843669>
  3. **Breuer, J.**, Wulf, T., & Mohseni, M. R. (2020). New Formats, New Methods: Computational Approaches as a Way Forward for Media Entertainment Research. *Media and Communication*, 8(3), 147–152. <https://doi.org/10.17645/mac.v8i3.3530>
  2. Elson, M., **Breuer, J.**, & Quandt, T. (2014). Gewalt erzeugt Mediengewalt - oder umgekehrt? Über den Zusammenhang von Aggression und der Nutzung digitaler Spiele [Violence begets media violence - or vice versa? On the relationship between aggression and the use of digital games]. *In-Mind: The Inquisitive Mind*, 3/2014.
  1. Quandt, T., **Breuer, J.**, Festl, R., & Scharnow, M. (2013). Digitale Spiele: Stabile Nutzung in einem dynamischen Markt [Digital games: Stable use in a dynamic market]. *Media Perspektiven*, 10/2013, 483–492.

## PREPRINTS

10. Schmalz, X., **Breuer, J.**, Haim, M., Hildebrandt, A., Knöpfle, P., Leung, A. Y., & Roettger, T. (2024). *Let's talk about language — and its role for replicability*. MetaArXiv. <https://doi.org/10.31222/osf.io/w2gb9>
9. Silber, H., **Breuer, J.**, Felderer, B., Gerdon, F., Stammann, P., Daikeler, J., Keusch, F., & Weiß, B. (2024). *Asking for Traces: A Vignette Study on Acceptability Norms and Personal Willingness to Donate Digital Trace Data* [Preprint]. SocArXiv. <https://doi.org/10.31235/osf.io/2aum8>
8. Knöpfle, P., Haim, M., & **Breuer, J.** (2024). *Ethics in Computational Communication Science: Between values and perspectives* [Preprint]. <https://www.ssoar.info/ssoar/handle/document/91769>
7. Munzert, S., Ramirez-Ruiz, S., Watteler, O., **Breuer, J.**, Batzdorfer, V., Eder, C., Wiltshire, D. A., Barberá, P., Guess, A. M., & Yang, J. (2023). *Publishing Combined Web Tracking and Survey Data* [Preprint]. Open Science Framework. <https://doi.org/10.31219/osf.io/y4v8z>
6. von Andrian-Werburg, M. T. P., Siegers, P., & **Breuer, J.** (2022). *A reevaluation of online pornography use in Germany using a combination of web tracking and survey data* [Preprint]. PsyArXiv. <https://doi.org/10.31234/osf.io/ehqgv>
5. Dienlin, T., & **Breuer, J.** (2022). *Post-privacy or pro-privacy? Two diverging perspectives on the state of privacy* [Preprint]. SocArXiv. <https://doi.org/10.31235/osf.io/ugvft>
4. Stier, S., Weiß, B., Hartmann, T., Flöck, F., **Breuer, J.**, Schaurer, I., & Schulz, M. (2021). *Information exposure, perceptions and behaviours during the first COVID-19 wave in Germany: Evidence from survey and Facebook data* [Preprint]. SocArXiv. <https://doi.org/10.31235/osf.io/cah76>
3. Silber, H., **Breuer, J.**, Beuthner, C., Gummer, T., Keusch, F., Siegers, P., Stier, S., & Weiß, B. (2021). *Linking surveys and digital trace data: Insights from two studies on determinants of data sharing behavior* [Preprint]. SocArXiv. <https://doi.org/10.31235/osf.io/dz93u>
2. Klein, O., Hardwicke, T. E., Aust, F., **Breuer, J.**, Danielsson, H., Hofelich Mohr, A., IJzerman, H., Nilsson, G., vanpaemel, wolf, & Frank, M. C. (2018). *A practical guide for transparency in psychological science* [Preprint].

1. **Breuer, J.**, Bowman, N. D., Velez, J., Wulf, T., & Bente, G. (2017). "Drive the lane; together, hard!": An examination of the effects of supportive co-playing and task difficulty on prosocial behavior [Preprint]. PsyArXiv. <https://doi.org/10.31234/osf.io/6mmra>

## BOOK CHAPTERS

29. **Breuer, J.** (2023). Putting the AI into social science – How artificial intelligence tools are changing and challenging research in the social sciences. In A. Sudmann, A. Echterhölter, M. Ramsauer, F. Retkowski, J. Schröter, & A. Waibel (Eds.), *Beyond Quantity. Research with Subsymbolic AI* (pp. 255–273). transcript.
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## Presentations

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### PEER-REVIEWED CONFERENCE PRESENTATIONS AND POSTERS

82. **Breuer, J.**, Haim, M., & Knöpfle, P. (2024). *Ensuring and Assessing the Replicability of Social Science Research Using Text as Data*. META-REP Conference on Meta-Science & Replicability, Munich (Germany), October. <https://doi.org/10.6084/m9.figshare.27377463.v1>
81. Knöpfle, P., Haim, M., & **Breuer, J.** (2024). *Assessing the Potential and Actual Replicability of Computational Communication Science*. META-REP Conference on Meta-Science & Replicability, Munich (Germany), October.
80. Frank, M., Schönbrodt, F., **Breuer, J.**, Short, C. A., Jekel, M., Kohrt, F., Melinscak, F., & Hellmann, S. (2024). *Dimensions of Redoing - mapping and standardizing Replication Efforts*. META-REP Conference on Meta-Science & Replicability, Munich (Germany), October.
79. **Breuer, J.**, Haim, M., & Knöpfle, P. (2024). *Fostering proactive reproducibility and replicability through frontloading of effort and automation*. 53rd Congress of the German Psychological Association (DGPs), Vienna (Austria), September.
78. **Breuer, J.**, Knöpfle, P., & Haim, M. (2024). *Reproduzierbarkeit und Replizierbarkeit bei Forschung mit Social-Media-Daten [Reproducibility and replicability in research with social media data]*. 53rd Congress of the German Psychological Association (DGPs), Vienna (Austria), September.
77. Wähner, M., **Breuer, J.**, Deubel, A., & Weller, K. (2024). *Beyond Twitter: Data Ethics in the Decentralized Social Media Landscape - The Case of Mastodon Instance Rules*. International Conference on Social Media & Society, London (UK), July.
76. **Breuer, J.** (2024). *Werkzeug, Partner, Quelle oder Risiko? Zur Rolle von künstlicher Intelligenz für den sozialwissenschaftlichen Umgang mit Daten [Tool, partner, source or risk? The role of artificial intelligence for working with data in the social sciences]*. 15. Wissenschaftliche Tagung des ADM, der ASI und des Statistischen Bundesamtes, Wiesbaden (Germany), June.
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73. Knöpfle, P., Haim, M., & **Breuer, J.** (2023). *Research Ethics in Computational Communication Science: Double-edged sword or two-sided medal?* 24. Tagung der Fachgruppe Methoden der DGPK, Potsdam (Germany), September.
72. Dolay, O., Siegers, P., Von Andrian-Werburg, M., **Breuer, J.**, Rathe, C., & Nowak, H. (2023). *Studying online pornography use with a combination of web tracking and survey data: Results from a German online sample*. General Online Research Conference 2023, Kassel, September.
71. **Breuer, J.**, Silber, H., Daikeler, J., Felderer, B., Gerdon, F., Keusch, F., Stammann, P., & Weiß, B. (2023). *What Can We Ask for and How Should We Ask? An Experimental Vignette Study on Request and Respondent Characteristics Affecting the Acceptability of and Willingness to Agree to Digital Trace Data Donation*. Data Donation Symposium, Zurich & Online, September.
70. **Breuer, J.** (2023). *On the Road to Media PsAlchology? Mapping the potentials and challenges of artificial intelligence for research in media psychology*. 13th Conference of the Media Psychology Division (DGPs), Luxemburg, September.
69. Silber, H., **Breuer, J.**, Daikeler, J., Felderer, B., Gerdon, F., Keusch, F., & Weiß, B. (2023). *Sharing Digital Traces - Experimental Evidence on the Influence of the Data Type, the Recipient, and a Safe Transmission*. 10th Conference of the European Survey Research Association (ESRA), Milano, July.
68. **Breuer, J.**, Bensmann, F., Boland, K., Yu, R., & Dietze, S. (2022). *All public opinions are not equal Developing and testing a method for assessing the relationship between survey data and Twitter data as measures of public*

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67. **Breuer, J.**, Kmetty, Z., Haim, M., & Stier, S. (2022). *User-Focused Approaches for Collecting Facebook Data in the "Post-API Age": Experiences From Two Studies and Recommendations for Future Research*. 72nd Annual Conference of the International Communication Association, Paris (France), May.
  66. Schnauber-Stockmann, A., Scharkow, M., & **Breuer, J.** (2022). *Routines and the Predictability of Day-to-Day Web Use*. 72nd Annual Conference of the International Communication Association, Paris (France), May.
  65. Stier, S., Mangold, F., Scharkow, M., & **Breuer, J.** (2021). *Post post-broadcast democracy? News exposure in the age of online intermediaries*. General Online Research 2021, Online, September.
  64. Schmitt, J. B., **Breuer, J.**, & Wulf, T. (2021). *From cognitive overload to digital detox: Psychological implications of telework during the COVID-19 pandemic in Germany*. 12th Conference of the Media Psychology Division, Aachen (Germany), September.
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  62. **Breuer, J.**, Bensmann, F., Dietze, S., Yu, R., & Boland, K. (2021). *Assessing the relationship between survey data and Twitter data as measures of public opinion - A methodological pilot study*. 9th Conference of the European Survey Research Association, Online, July.
  61. **Breuer, J.** (2021). *Digital trace data for psychological research: How can we access data that enable innovative research while avoiding another Cambridge Analytica case?* SIPS, Online, June.
  60. **Breuer, J.**, & Haim, M. (2021). *Reproducibility and Replicability in Computational Social Science: Challenges and Potential Solutions*. Open Science and Replicability in the Behavioural and Social Sciences, Online, April.
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  57. Siegers, P., **Breuer, J.**, & Stier, S. (2020). *Integrated web tracking and surveys to study selective exposure to news by populist radical right party supporters*. BigSurv20 - Big Data Meets Survey Science, Online, November.
  56. Stier, S., Mangold, F., Scharkow, M., & **Breuer, J.** (2020). *Selective vs. Incidental exposure?: How online intermediaries commonly foster news exposure and diversity across countries and personal characteristics*. ECPR General Conference 2020, Online, August.
  55. Haim, M., Stier, S., & **Breuer, J.** (2020). *Open Science vs. Privacy?: A Case Study With Linked Web Tracking, Social Media, and Survey Data*. 70th Annual Conference of the International Communication Association, Online, May.
  54. **Breuer, J.**, Stier, S., & Siegers, P. (2019). *More data, more problems? Chancen und Herausforderungen der datafizierten Gesellschaft für die sozialwissenschaftliche Forschung*. Datafizierte Gesellschaft: Praktiken, Prozesse und Folgen der Datafizierung, Bonn (Germany), September.
  53. Rothmund, T., Sprinz, M. D., **Breuer, J.**, & Stier, S. (2019). *What makes people susceptible to political misinformation? A critical test of conflicting psychological theories*. 11th Conference of the Media Psychology Division, Chemnitz (Germany), September.
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  51. Bowman, N. D., Velez, J., Wulf, T., & **Breuer, J.** (2019). *That bygone feeling: Controller haptics and nostalgia in video game play*. 11th Conference of the Media Psychology Division, Chemnitz (Germany), September.
  50. Stier, S., **Breuer, J.**, Siegers, P., Gummer, T., & Bleier, A. (2019). *Where Do They Get Their 'News'? Preference for Right-Wing Populist Parties and Online News Consumption in Germany*. 8th Conference of the European Survey Research Association, Zagreb (Croatia), July.
  49. Mohseni, M. R., **Breuer, J.**, & Kohne, J. (2019). *Methods and Tools for the Automatic Sampling and Analysis of YouTube Comments*. General Online Research 2019, Cologne (Germany), March.
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  47. Stier, S., **Breuer, J.**, Siegers, P., Gummer, T., & Bleier, A. (2018). *Improving Research on Political Behavior by Integrating Survey Data and Digital Trace Data*. BigSurv18 - Big Data Meets Survey Science, Barcelona (Spain), October.
  46. Stier, S., **Breuer, J.**, Siegers, P., Gummer, T., & Bleier, A. (2018). *Selective exposure to political news: An investigation combining web tracking and survey data*. ECPR General Conference 2018, Hamburg (Germany), August.

45. **Breuer, J.** (2018). *Share on archive Addressing the challenges of sharing research data from social media*. 9th International Conference on Social Media & Society, Copenhagen (Denmark), July.
44. **Breuer, J.** (2018). *Solving the sharing paradox - How data sharing can be promoted for the benefit of research integrity*. PRINTEGER European Conference on Research Integrity, Bonn (Germany), February.
43. **Breuer, J.,** & Hagenah, J. (2017). *Verknüpfung von Befragungs- und inhaltsanalytischen Daten zu Computerspielen: Alterseinstufungen und selbstberichtete Nutzungszeiten als Proxydaten zur Berechnung einer Video Game Violence Exposure Time [Combining survey and content analysis data on computer games: Age ratings and self-reported usage times as proxy data for the calculation of a video game violence exposure time]*. Jahrestagung der Fachgruppe Methoden der Publizistik- und Kommunikationswissenschaft der Deutschen Gesellschaft für Publizistik- und Kommunikationswissenschaft (DGPK), Mainz (Germany), September.
42. **Breuer, J.,** & Utz, S. (2016). *The use of social media and civic engagement - Results from a cross-lagged panel study*. 6th European Communication Conference, Prague (Czech Republic), November.
41. **Breuer, J.,** Domahidi, E., Kowert, R., Festl, R., & Quandt, T. (2016). *Playing friends? Findings from a longitudinal study on friendships and social support among online gamers*. Clash of Realities 2016, Cologne (Germany), November.
40. Utz, S., & **Breuer, J.** (2016). *Homo politicus 2.0? A longitudinal study on social media use and civic engagement*. 50th Congress of the German Psychological Society (DGPs), Leipzig (Germany), September.
39. Utz, S., & **Breuer, J.** (2016). *Informational benefits from professional social media use: Results from a longitudinal study*. 66th Annual Conference of the International Communication Association, Fukuoka (Japan), June.
38. Domahidi, E., **Breuer, J.,** Kowert, R., Festl, R., & Quandt, T. (2016). *Longitudinal Analysis of Gaming- and Non-Gaming-Related Friendships and Social Support Among Social Online Game Players*. 66th Annual Conference of the International Communication Association, Fukuoka (Japan), June.
37. De Grove, F., **Breuer, J.,** Chen, V. H. H., Ratan, R., Quandt, T., & Van Looy, J. (2016). *Validating the Digital Games Motivation Scale for comparative research between countries and sexes*. 66th Annual Conference of the International Communication Association, Fukuoka (Japan), June.
36. Wulf, T., Rieger, D., **Breuer, J.,** & Bente, G. (2016). *United we spend, divided we brawl? The influence of players' interdependence on need satisfaction and charitable behavior*. ICA Game Studies Division Preconference "Just Games?" Tokyo (Japan), June.
35. **Breuer, J.,** Bowman, N. D., Kieslich, K., Elson, M., Kowert, R., Kneer, J., Quandt, T., Lange, A., & Lange, R. (2016). *Grand Theft Morals: The role of cultural differences and moral views for the evaluation of violent and sexual content in video games*. ICA Game Studies Division Preconference "Just Games?" Tokyo (Japan), June.
34. Ratan, R., Chen, V. H. H., De Grove, F., **Breuer, J.,** Quandt, T., & Van Looy, J. (2016). *Play Inequality: A cross-national comparison of gender differences in attitudes about gaming experiences*. ICA Game Studies Division Preconference "Just Games?" Tokyo (Japan), June.
33. Trixa, J., & **Breuer, J.** (2015). *Ordnung ist die halbe Forschung: Von Selbstorganisation zur offenen und reproduzierbaren Wissenschaft [From self-organization to open and reproducible science]*. 15. Fachgruppentagung der FG Methoden der DGPK, Stuttgart (Germany), September.
32. **Breuer, J.,** Elson, M., Kieslich, K., Bowman, N. D., Kowert, R., Quandt, T., Lange, A., & Lange, R. (2015). *Moral Combat. Moral foundations and the evaluation of violent and sexual content in video games*. 9th Conference of the Media Psychology Division, Tübingen (Germany), September.
31. **Breuer, J.,** Elson, M., & Quandt, T. (2015). *Game, set, snatch? The effects of game mode and outcome in a console sports game on cooperative behavior*. American Psychological Association 2015 Convention, Toronto (Canada), August.
30. Sevdalis, V., Roth, D., **Breuer, J.,** & Bente, G. (2015). *Investigating social cognition with motion capture technology*. Diversity of Social Cognition, Cologne (Germany), July.
29. Kowert, R., **Breuer, J.,** Festl, R., & Quandt, T. (2015). *Women are from FarmVille, Men are from ViceCity: The cycle of exclusion and sexism in video game content and culture*. 65th Annual Conference of the International Communication Association, San Juan (Puerto Rico), May.
28. **Breuer, J.,** & Elson, M. (2015). *Fear play: Probing the emotional and behavioral effects of horror games*. 65th Annual Conference of the International Communication Association, San Juan (Puerto Rico), May.
27. **Breuer, J.,** Vogelgesang, J., Quandt, T., & Festl, R. (2014). *Medieneffekt, Selektionseffekt oder Abwärtsspirale? Eine längsschnittstudie zum Zusammenhang zwischen Computerspielnutzung und physischer Aggression bei Jugendlichen und jungen Erwachsenen [Media effect, selection effect or downward spiral? A longitudinal study on the relationship between computer game use and physical aggression among adolescents and young adults]*. 49th Congress of the German Psychological Society (DGPs), Bochum (Germany), September.
26. Kowert, R., **Breuer, J.,** Festl, R., & Quandt, T. (2014). *Sexism and the gender divide within the video game playing*

- community. Multi.Player 2, Münster (Germany), August.
25. **Breuer, J.**, Vogelgesang, J., Quandt, T., & Festl, R. (2014). *Socialization, selection or downward spiral? Data from a longitudinal study of German gamers aged 14 to 21*. 28th International Congress of Applied Psychology, Paris (France), July.
  24. Elson, M., **Breuer, J.**, Scharnow, M., & Quandt, T. (2014). *Digital games and frustration: Effects on aggression and cooperative behavior*. 64th Annual Conference of the International Communication Association, Seattle (USA), May.
  23. **Breuer, J.**, Quandt, T., Festl, R., & Scharnow, M. (2014). *Gaming in Deutschland 2010-2013. Ergebnisse einer repräsentativen Panelstudie [Gaming in Germany 2010-2013 - Results from a representative panel study]*. Clash of Realities 2014, Cologne (Germany), May.
  22. **Breuer, J.**, Elson, M., & Quandt, T. (2013). *Mirror or projection screen? Avatar creation and identification in computer role-playing games*. 8th Conference of the Media Psychology Division of the German Psychological Society (DGPs), Würzburg (Germany), September.
  21. Elson, M., **Breuer, J.**, & Quandt, T. (2013). *Game and Watch Methodische Herausforderungen bei der Beobachtung von Computerspielern [Methodological challenges in observational studies with computer gamers]*. 15. Fachgruppentagung der FG Methoden der DGpuK, Münster (Germany), September.
  20. **Breuer, J.**, Scharnow, M., & Quandt, T. (2013). *The perception and evaluation of violence in digital games tunnel vision or desensitization?* 63rd Annual Conference of the International Communication Association, London (UK), July.
  19. Elson, M., **Breuer, J.**, & Quandt, T. (2013). *Off the Shelf versus Tailor-Made: Identification with Default and Customized Avatars in Role-Playing Computer Games*. ICA Game Studies Preconference "The Power of Play: Motivational Uses and Applications," London (UK), July.
  18. Eichentopf, J., **Breuer, J.**, & Quandt, T. (2013). *"Did you find what you were looking for?" - Gratifications sought and obtained in computer games*. ICA Game Studies Preconference "The Power of Play: Motivational Uses and Applications," London (UK), July.
  17. **Breuer, J.**, Scharnow, M., & Quandt, T. (2012). *The others - Why research on the effects of digital games on aggression needs a multiplayer perspective*. Preconference of the ECREA TWG Digital Games Research, Istanbul (Turkey), October.
  16. **Breuer, J.**, Scharnow, M., & Quandt, T. (2012). *Frustration-Aggression 2.0: Die Bedeutung von Gegnern und Spielausgang für den Effekt digitaler Spiele auf aggressives Verhalten [The role of opponents and outcome for the effect of digital games on aggression]*. 48. Kongress der Deutschen Gesellschaft für Psychologie (DGPs), Bielefeld (Germany), September.
  15. **Breuer, J.**, Festl, R., & Quandt, T. (2012). *Herausforderungen bei der Inhaltsanalyse von Computer- und Videospiele [Challenges in the content analysis of computer and video games]*. 14. Fachgruppentagung der FG Methoden der DGpuK, Zürich (Switzerland), September.
  14. **Breuer, J.**, Elson, M., Mohseni, M. R., & Scharnow, M. (2012). *Are we really only measuring media effects? Problems and pitfalls associated with the implementation and analysis of the Competitive Reaction Time Task (CRTT) in research on digital games*. XVII. Workshop Aggression, Luxemburg (Luxemburg), July.
  13. Elson, M., **Breuer, J.**, Van Looy, J., & Kneer, J. (2012). *Comparing Apples and Oranges? The Effects of Confounding Factors in Experimental Research on Digital Games and Aggression*. 62nd Annual Conference of the International Communication Association, Phoenix (USA), May.
  12. **Breuer, J.** (2012). *Broccoli-coated chocolate? The educational potential of entertainment games*. 4th Clash of Realities - International Computer Game Conference, Cologne (Germany), May.
  11. **Breuer, J.**, Elson, M., Scharnow, M., & Quandt, T. (2012). *More than just Violence - The Importance of Contextual Factors and Game Characteristics for Research on the Digital-Games-Aggression Link*. 4th Clash of Realities - International Computer Game Conference, Cologne (Germany), May.
  10. **Breuer, J.**, Festl, R., & Quandt, T. (2011). *In the army now - Narrative elements and realism in military first-person shooters*. 5th DiGRA Conference, Utrecht (Netherlands), September.
  9. **Breuer, J.**, Scharnow, M., & Quandt, T. (2011). *Tunnel vision or spectator mode? The effects of watching versus playing a violent game on immersion and perceived violence*. 7th Conference of the Media Psychology Division of the DGPs, Bremen (Germany), August.
  8. **Breuer, J.**, & Quandt, T. (2011). *In-vitro gaming - Studying player interaction in the lab. multi.player - International conference on the social aspects of digital gaming*, Stuttgart (Germany), July.
  7. **Breuer, J.** (2011). *(In)formative play: The effects of digital games on creativity and problem-solving skills*. International conference on the Foundations of Digital Games (FDG), Bordeaux (France), June.
  6. **Breuer, J.** (2010). *Through the eyes of the avatar - Can digital games influence how we perceive the world?* ECREA

- Preconference “Avatars and Humans - Representing Users in Digital Games,” Hamburg (Germany), October.
5. **Breuer, J.** (2010). *Ich sehe was, was Du nicht siehst - Der Einfluss digitaler Spiele auf Wahrnehmungs- und Informationsverarbeitungsprozesse [I spy with my virtuel eye - The effect of digital games on perception and information processing]*. DGPK-Doktorandentage, Leipzig (Germany), September.
  4. **Breuer, J.** (2010). *The player's view - Studying how digital games can change our perceptions of the world*. Games Research Methods Seminar, Tampere (Finland), April.
  3. **Breuer, J.**, Bente, G., Yanev, K., Günter, B., & Leuschner, H. (2009). *Invisible Tells: Physiological measures of arousal as game elements in online poker*. 6th Conference of the Media Psychology Division of the German Psychological Society, Duisburg (Germany), September.
  2. **Breuer, J.**, Eschenburg, F., Bente, G., & Aelker, L. (2008). *The game of mind-reading: Online poker as a research tool*. XXIX International Congress of Psychology, Berlin (Germany), July.
  1. **Breuer, J.**, Eschenburg, F., Bente, G., & Aelker, L. (2008). *Social cues in social games: Measures of player experience as game elements*. 58th Annual Conference of the International Communication Association, Montréal (Canada), May.

#### OTHER PRESENTATIONS (NOT PEER-REVIEWED) AND INVITED TALKS

19. **Breuer, J.** (2024). *Sammlung von Web- und Social-Media-Daten [Collecting web and social media data]*. Workshop “KI-Trainingsdaten aus dem Netz? Möglichkeiten und Grenzen” [AI Training Data from the web? Possibilities; limitations], Center for Advanced Internet Studies, Bochum (Germany), November.
18. **Breuer, J.** (2024). *Reproducibility and replicability in the social sciences - What do we have? What do we need?* Incubator for Collaborative; Transparent Economic Sciences Kick-Off Meeting, Berlin (Germany), October.
17. **Breuer, J.** (2024). *Methoden & Tools für die Sammlung digitaler Verhaltensdaten [Methods & Tools for Collecting Digital Behavioral Data]*. Jahreskonferenz Netzwerk Recherche, Hamburg (Germany), July.
16. **Breuer, J.** (2023). *Digital Traces & Data Donation for Research on Social Media and Well-Being*. Social Media and Well-Being: A multi-disciplinary dialogue, Lugano (Switzerland), June.
15. **Breuer, J.**, & Stier, S. (2021). *Combining survey data and digital behavioral data*. GESIS Meet the Experts, Online, July.
14. **Breuer, J.** (2019). *Data Linking: Survey data & social media data*. CESSDA Training Days, Cologne (Germany), November.
13. **Breuer, J.**, Stier, S., Siegers, P., Gummer, T., & Bleier, A. (2019). *Consent to Collecting and Linking Twitter Data in a Combined Webtracking and Survey Study*. 8th Conference of the European Survey Research Association, Zagreb (Croatia), July.
12. **Breuer, J.**, Bishop, L., & Kinder-Kurlanda, K. E. (2018). *The practical and ethical challenges in acquiring and sharing digital trace data*. The Tracked Society - Interdisciplinary Approaches on Online Tracking, Amsterdam (Netherlands), June.
11. Stier, S., **Breuer, J.**, & Siegers, P. (2018). *A review of articles combining survey data and digital trace data*. Symposium „Integrating and Analyzing Data from Surveys and Social Media”, Bochum (Germany), February.
10. **Breuer, J.** (2017). *Was möchten wir haben, (wie) bekommen wir das und was können und dürfen wir damit machen? Der Umgang mit Social-Media-Daten in der Kommunikationswissenschaft zwischen Wunsch und Wirklichkeit [The use of social media data in communication research between desire and reality]*. Workshop “Grenzen und Perspektiven der Methodenentwicklung in der Kommunikationswissenschaft,” Mainz (Germany), September.
9. Bishop, L., **Breuer, J.**, & Schiller, D. H. (2017). *Archiving new types of data*. CESSDA Experts Seminar, Bergen (Norway), September.
8. **Breuer, J.** (2015). *The Hot Topic Mod Sex(ism) and violence in video games*. Expra-Kongress Psychologie der Universität du Luxemburg, Belval (Luxemburg), December.
7. **Breuer, J.** (2015). *Let's get serious - Assessing the potentials and limitations of serious games*. Summer School “Living with Media,” Cologne (Germany), July.
6. **Breuer, J.**, & Elson, M. (2014). *What happens in the lab, stays in the lab? Methodische Herausforderungen bei der Messung von Verhalten in Laborstudien am Beispiel der Forschung zu Mediengewalt [Methodological challenges in measuring behavior in laboratory studies on media violence]*. Workshop der AG Beobachtung, Mainz (Germany), November.
5. **Breuer, J.**, & Elson, M. (2014). *Lernwerkzeug, Suchtmittel oder doch nur ein Spiel? Über die Wirkung von Computer- und Videospiele auf ihre Nutzer [The effects of computer and video games on their users]*. Was wird hier gespielt? Computerspiele in Familie 2020, Fulda (Germany), May.
4. **Breuer, J.** (2013). *Faszination Onlinespiele [The allure of online games]*. Bürgernetz Münster, Münster (Germany),

October.

3. **Breuer, J.**, & Quandt, T. (2012). *Der Gamer, das unbekannte Wesen? Daten zum Computerspielen in Deutschland [Data about computer game players in Germany]*. 11. GamesDay der Hochschule der Medien, Stuttgart (Germany), June.
2. Quandt, T., & **Breuer, J.** (2012). *Casual Learning durch COTS-Spiele [Casual Learning Through COTS Games]*. Serious Games Symposium 2012, Mannheim (Germany), February.
1. **Breuer, J.** (2010). *Computerspiele verstehen [Understanding Computer Games]*. Medienkompetenztage Baden-Württemberg, Stuttgart (Germany), October.

## Teaching experience

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### UNIVERSITY COURSES

#### **Digitale Mediennutzung und Data Literacy - Über Datenspuren und ihre Nutzung [Digital media use and data literacy - On digital traces and their usage]**

SEMINAR, UNDERGRADUATE LEVEL

HHU Duesseldorf

Winter term 2021-2022

#### **Digitale Mediennutzung und Data Literacy - Über Datenspuren und ihre Nutzung [Digital media use and data literacy - On digital traces and their usage]**

SEMINAR, UNDERGRADUATE LEVEL

HHU Duesseldorf

Winter term 2020-2021

#### **Medienwirkung [Media effects]**

RESEARCH SEMINAR (TOGETHER WITH JOSEPHINE SCHMITT), GRADUATE LEVEL

University of Cologne

Winter term 2016-2017

#### **Aktuelle Ansätze in der Medienwirkungsforschung [Current approaches in media effects research]**

SEMINAR, GRADUATE LEVEL

University of Cologne

Winter term 2016-2017

#### **Medien und Gewalt [Media and violence]**

SEMINAR, UNDERGRADUATE LEVEL

University of Cologne

Summer term 2016

#### **Medienwirkung [Media effects]**

RESEARCH SEMINAR (TOGETHER WITH LENA FRISCHLICH), GRADUATE LEVEL

University of Cologne

Winter term 2015-2016

#### **Aktuelle Ansätze in der Medienwirkungsforschung [Current approaches in media effects research]**

SEMINAR, GRADUATE LEVEL

University of Cologne

Winter term 2015-2016

#### **Medien und Gewalt [Media and violence]**

SEMINAR, UNDERGRADUATE LEVEL

University of Cologne

Summer term 2015

#### **Aktuelle Ansätze in der Medienwirkungsforschung [Current approaches in media effects research]**

SEMINAR, GRADUATE LEVEL

University of Cologne

Winter term 2014-2015

#### **Neue Medien: von CvK bis HCI [New media: From CMC to HCI]**

SEMINAR, GRADUATE LEVEL

University of Cologne

Winter term 2013-2014

#### **Mediensozialisation und Lernen mit Medien [Media socialization and learning with media]**

SEMINAR (TOGETHER WITH MALTE ELSON), UNDERGRADUATE LEVEL

University of Cologne

Winter term 2012-2013

#### **Aus dem Leben eines Spielers – Biographische Leitfadeninterviews mit Computerspielern [From the life of a player - Biographical interviews with gamers]**

SEMINAR, UNDERGRADUATE LEVEL

University of Hohenheim

Winter term 2011-2012

#### **Studying Games – Befunde und Methoden der Computer- und Videospieelforschung [Studying games - Results and methods of research on computer and video games]**

SEMINAR, UNDERGRADUATE LEVEL

University of Hohenheim

Winter term 2010-2011

#### **Computer- und Videospiele [Computer and video games]**

SEMINAR, GRADUATE LEVEL

University of Cologne

Summer term 2009

#### **Computervermittelte Kommunikation und Online-Gaming [Computer-mediated communication and online gaming]**

SEMINAR (TOGETHER WITH MARIA SENOKOZLIEVA), GRADUATE LEVEL

University of Cologne

Summer term 2008

## INVITED GUEST LECTURES

### **Die Auswirkungen künstlicher Intelligenz auf das wissenschaftliche Arbeiten [The impact of artificial intelligence on scientific work]**

UNDERGRADUATE LEVEL

Ruhr-University Bochum

July 2024

### **Verknuepfung von digitalen Spurdaten & Umfragen - Wieso, wie und was ist moeglich? [Linking digital trace data & surveys - Why, how, and what is possible?]**

GRADUATE LEVEL

FAU Erlangen-Nürnberg

January 2023

### **Social-Media-Daten in der Bildungsforschung [Social media data in educational research]**

TOGETHER WITH THOMAS LOESCH, GRADUATE LEVEL

University of Applied Sciences of the

Grisons

March 2022

### **Sekundäranalyse von Forschungsdaten [Secondary analysis of research data]**

GRADUATE LEVEL

University of Würzburg

February 2022

### **Sekundäranalyse von Forschungsdaten [Secondary analysis of research data]**

GRADUATE LEVEL

University of Würzburg

February 2021

### **Sekundäranalyse von Forschungsdaten [Secondary analysis of research data]**

GRADUATE LEVEL

University of Würzburg

January 2020

### **Chancen und Herausforderungen in der Forschung mit digitalen Verhaltensdaten [Potentials and challenges in research with digital behavioral data]**

GRADUATE LEVEL

University of Cologne

December 2019

### **Sekundäranalyse von Forschungsdaten [Secondary analysis of research data]**

GRADUATE LEVEL

University of Würzburg

June 2019

### **Videospiele(n) aus evolutionspsychologischer Perspektive [Video games from an evolutionary psychology perspective]**

TOGETHER WITH DANIEL PIETSCHMANN, UNDERGRADUATE LEVEL

University of Würzburg

January 2019

### **Can smartphones make people smarter? Challenges and opportunities for the design and use of mobile educational games**

GRADUATE LEVEL

TU Chemnitz

December 2015

## WORKSHOPS

### **KI-Tools für die Forschung in den Sozial-, Verhaltens- und Wirtschaftswissenschaften [AI Tools for Research in the Social, Behavioral and Economic Sciences]**

WORKSHOP AT RWI - LEIBNIZ INSTITUTE FOR ECONOMIC RESEARCH

Essen

November 2024

### **Forschen mit Web- und Social-Media-Daten [Research with Web and Social Media Data]**

WORKSHOP AT THE "FACHFORUM WEBANALYSE" [EXPERT FORUM ON WEB ANALYTICS]

Frankfurt

October 2024

### **Workflows for Reproducible Research with R & Git**

TOGETHER WITH BERND WEISS & ARNIM BLEIER

online

November 2023

### **Introduction to Sentiment Analysis: Potentials and limitations**

TOGETHER WITH CAIO MELLO & GAURISH THAKKAR

online

July 2023

### **Automatic sampling and analysis of YouTube data**

TOGETHER WITH ANNIKA DEUBEL & M. ROHANGIS MOHSENI

online

February 2023

### **Using git & GitHub via RStudio**

TOGETHER WITH MARCO WÄHNER

Bochum

January 2023

### **Tools and Workflows for Reproducible Research in the Quantitative Social Sciences**

TOGETHER WITH BERND WEISS & ARNIM BLEIER

online

November 2022

### **Introduction to R for Data Analysis**

TOGETHER WITH STEFAN JUENGER AND VERONIKA BATZDORFER

online

August 2022

### **Linking Twitter & Survey Data**

TOGETHER WITH LIBBY BISHOP & LUKE SLOAN

online

June 2022

### **Twitter-Daten mit R [Twitter Data with R]**

SHORT DEMO FOR THE WORKSHOP TWITTER TOOLS - COLLECTING, PROCESSING, AND ANALYZING DATA

online

May 2022



<b>Reproducible research practices for psychologists</b>	Leuven
TOGETHER WITH FREDERIK AUST	April 2022
<b>Automatic sampling and analysis of YouTube data</b>	online
TOGETHER WITH JULIAN KOHNE & M. ROHANGIS MOHSENI	February 2022
<b>Ethische Fragen in der Forschung mit digitalen Spurdaten [Ethical questions in research with digital trace data]</b>	online
WORKSHOP FOR THE DEPARTMENT FOR MEDIA, KNOWLEDGE AND COMMUNICATION AT THE UNIVERSITY OF AUGSBURG	January 2022
<b>Tools and Workflows for Reproducible Research in the Quantitative Social Sciences</b>	online
TOGETHER WITH BERND WEISS & ARNIM BLEIER	November 2021
<b>Introduction to R for Data Analysis</b>	online
TOGETHER WITH STEFAN JUENGER	August 2021
<b>Introduction to survey data cleaning using tidyverse in R</b>	online
TOGETHER WITH STEFAN JUENGER, ESRA 2021	July 2021
<b>Linking Twitter &amp; Survey Data</b>	online
TOGETHER WITH LIBBY BISHOP & LUKE SLOAN	June 2021
<b>Automatic sampling and analysis of YouTube data</b>	online
TOGETHER WITH JULIAN KOHNE & M. ROHANGIS MOHSENI	February 2021
<b>Introduction to R for Data Analysis</b>	online
TOGETHER WITH STEFAN JUENGER	August 2020
<b>Linking Twitter &amp; Survey Data</b>	online
TOGETHER WITH LIBBY BISHOP & LUKE SLOAN	June 2020
<b>Archiving Social Media Data: Challenges and Proposed Solutions</b>	online
CESSDA WEBINAR	June 2020
<b>Automatic sampling and analysis of YouTube data</b>	Cologne
TOGETHER WITH JULIAN KOHNE & M. ROHANGIS MOHSENI	February 2020
<b>Working with the Facebook Ad Library</b>	Cologne
GESIS DATA DAY 2020	January 2020
<b>Developing your personal workflow for transparent &amp; reproducible research</b>	Rotterdam
TOGETHER WITH FREDERIK AUST, SIPS 2019	July 2019
<b>Data Wrangling &amp; Exploration with the Tidyverse in R</b>	Mannheim
TOGETHER WITH STEFAN JUENGER & THOMAS EBEL	May 2019
<b>Forschungsdaten selbst analysieren in R [Analyzing research data with R]</b>	Cologne
GESIS DATA DAY 2019	January 2019
<b>A practical primer on transparent research workflows</b>	Cologne
TOGETHER WITH FREDERIK AUST, ESCON 2018	September 2018
<b>Exploring data from ALLBUS and the European Values Study in R</b>	Dortmund
SciCAR 2018	September 2018
<b>(CO-)SUPERVISED THESES</b>	
<b>Rother, E.: Gameplay, Gender &amp; Hate Speech: Eine Ueberblicksarbeit zur Problematik von Sexismus in Online Games [A review of research on sexism in online games]</b>	University of Cologne
BACHELOR THESIS	2017
<b>Rhine, S. &amp; Moravek, J.: I feel phonely - Eine Studie zum Zusammenhang zwischen Smartphonennutzung und persoenlichen Beziehungen [A study on the relationship between smartphone use and personal relationships]</b>	University of Cologne
BACHELOR THESIS	2016
<b>Wulf, T.: United we spend - divided we brawl? Eine empirische Untersuchung zum Einfluss von Kooperation in Videospielen auf Emotionsregulation und prosoziales Verhalten [An empirical study on the effect of cooperation in video games on emotion regulation and prosocial behavior]</b>	University of Cologne
MASTER THESIS	2016

<b>Koprek, N.: Wer spielt was? Wieso, weshalb, warum? Der Zusammenhang von Geschlecht, Persönlichkeitsmerkmalen und Motiven bei der Nutzung von Computer- und Videospielen [Who plays what and why? The relationship between gender, personality, and motives with the use of computer and video games]</b>	<i>University of Cologne</i>
MASTER THESIS	2015
<b>Khala, J., Mueschen, A., &amp; Spexard, E.: Competence + 1 - Eine medienpsychologische Untersuchung der motivationalen Wirkung von Erfolg und Misserfolg bei interaktiven Medien am Beispiel von Quizduell [A study on the motivational effects of success and failure in digital games]</b>	<i>University of Cologne</i>
BACHELOR THESIS	2015
<b>Behrendt, J.: Kultur- und Geschlechterunterschiede bei der Rezeption und Produktion von Rapport</b>	<i>University of Cologne</i>
MASTER THESIS	2015
<b>Trouillé, A.-K.: Ingroup and outgroup differences in the recognition of nonverbal displays of emotion</b>	<i>University of Cologne</i>
BACHELOR THESIS	2015
<b>Eichentopf, J.: Gesuchte und erhaltene Gratifikationen und ihre Bedeutung für die Nutzung von Computerspielen - Ein interkultureller Vergleich [Gratifications sought and found when playing computer games - An intercultural comparison]</b>	<i>University of Hohenheim</i>
MASTER THESIS	2013
<b>Götz, M.: Vergleich der Computer- und Videospieldnutzung von Jugendlichen zwischen (14-17) und älteren Erwachsenen (50+) - eine qualitative Auswertung [Comparison of computer and video game use of teenagers (14 to 17) and older adults (50+) - a qualitative analysis]</b>	<i>University of Hohenheim</i>
BACHELOR THESIS	2012
<b>Frick, M.: Power to the Pixel - Faszination Retro Gaming - Analyse einer Subkultur der Videospieldergemeinschaft [Retro Gaming - Analysis of a gaming subculture]</b>	<i>University of Hohenheim</i>
BACHELOR THESIS	2012
<b>Wiesinger, F.: Auswirkungen extensiver Nutzung von Computer und Videospielen auf das soziale Leben von Schülern [Effects of excessive computer game use on the social life of high school students]</b>	<i>University of Hohenheim</i>
BACHELOR THESIS	2011
<b>Elson, M.: The Effects of Displayed Violence and Game Speed in First-Person Shooters on Physiological Arousal and Aggressive Behavior</b>	<i>University of Cologne</i>
DIPLOM THESIS	2011
<b>Balkowski, A.-L.: Der Einfluss von Emotionsfeedback auf die Kooperation bei computergestützter Gruppenarbeit [The effect of emotion feedback on cooperation in computer-supported group work]</b>	<i>University of Cologne</i>
DIPLOM THESIS	2010
<b>Müller, P.: Online-Rollenspiele: Suchtmittel oder Freizeitvergnügen? Eine vergleichende Analyse der Lebenswelten von Online-Rollenspielern mit unterschiedlichen Nutzungsgewohnheiten am Beispiel von World of Warcraft [A comparative analysis of World of Warcraft players with different playing habits]</b>	<i>University of Cologne</i>
DIPLOM THESIS	2010
<b>Vohwinkel, K.: Playability: Evaluation von Computer- und Videospielen [Evaluating computer and video games]</b>	<i>University of Cologne</i>
DIPLOM THESIS	2010

# Service

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## EDITING

### **easy\_social\_sciences**

MEMBER OF THE EDITORIAL BOARD

*Since April 2021*

### **Media Psychology**

MEMBER OF THE EDITORIAL BOARD

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### **Psychology of Popular Media**

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### **Media and Communication**

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### **Communication Research Reports**

MEMBER OF THE EDITORIAL BOARD

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### **Journal of Media Psychology**

MEMBER OF THE EDITORIAL BOARD

*Since September 2015*

## REVIEWING

- In addition to reviews as editorial board member, regular reviewer for various international journals (see my Publons profile for a detailed overview of my journal reviewing activities)
- Project proposal reviewer for the *German Research Foundation (DFG)*, the *UK Research and Innovation Economic and Social Research Council (UKRI ESRC)*, the *Research Foundation Flanders (FWO)*, the *National Science Center Poland*, the *Hungarian Academy of Sciences*, and the *Università della Svizzera italiana (USI)*
- Reviewer for various edited volumes and academic conferences

## COMMITTEES AND OTHER POSITIONS

### **Member of the advisory board**

PROJECT "INFORMATION MEASUREMENT FOR EXPLAINABLE ARTIFICIAL INTELLIGENCE" (FUNDED BY THE MINISTRY OF BUSINESS OF NEW ZEALAND)

*Since May 2024*

### **Member of the advisory board**

DFG PROJECT "CODEINSPECTOR"

*Since October 2023*

### **Postdoc representative**

GESIS - LEIBNIZ INSTITUTE FOR THE SOCIAL SCIENCES

*April 2018 - May 2021*

### **Leader of the Leibniz PostDoc Survey Group**

LEIBNIZ POSTDOC NETWORK

*October 2019 - June 2021*

### **Spokesperson Section B - Economics, Social Sciences, Spatial Research**

LEIBNIZ POSTDOC NETWORK

*October 2018 - October 2019*

### **Chair of the section officers election committee**

MEDIA PSYCHOLOGY DIVISION OF THE GERMAN PSYCHOLOGICAL ASSOCIATION

*May 2019 - September 2019*

## Professional affiliations

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- German Psychological Society (DGPs)
- Society for the Improvement of Psychological Science (SIPS)
- International Communication Association (ICA)
- German Communication Association (DGPuK)
- German Society for Online Research (DGOF)
- European Survey Research Association (ESRA)