

Dr. Johannes Breuer

SENIOR RESEARCHER

GESIS - Leibniz Institute for the Social Sciences & Center for Advanced Internet Studies (CAIS)

□+49 221 47694 471 | □ johannes.breuer@gesis.org | □ johannesbreuer.com | □ jobreu | □ MattEagle09

Research interests

- Use and effects of digital media
- Online information & news consumption
- Learning with digital media
- Computational methods
- Open science
- Data management

Skills

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

Education

University of Cologne

Cologne

PhD in Psychology

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

Cologne

Diplom (equivalent to Master's degree) in Media Studies

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

Center for Advanced Internet Studies (CAIS)

Bochum

Team Leader

Since 07/2021

- Team Research Data & Methods

GESIS - Leibniz Institute for the Social Sciences

Cologne

Senior Researcher

Since 04/2017

- Team Digital Society Observatory (before: Team Survey Data Augmentation)

Leibniz-Institut für Wissensmedien

Tübingen

Postdoctoral Researcher

04/2015 - 03/2017

- 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)

University of Cologne

POSTDOCTORAL RESEARCHER & LECTURER

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

Cologne

10/2014 - 03/2017

University of Münster

RESEARCHER

Münster

10/2012 - 12/2014

- 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)

University of Hohenheim

Stuttgart

RESEARCHER

01/2010 - 09/2012

- 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)

University of Cologne

Cologne

RESEARCHER

06/2007 - 03/2010

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

Grants

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

BMBF

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

August 2022 - August 2025

- 483000 Euro

What Defines and Affects Replicability in Computational Communication Science?

DFG

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

March 2022 - March 2025

- 165000 Euro

Integrating Surveys and Digital Behavioral Data

GESIS

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

June 2018 - June 2019

- 45000 Euro

Integrating and Analyzing Data from Surveys and Social Media

CAIS

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

February 2018

- 15000 Euro

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

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

October 2015 - April 2017

- 62900 Euro

Medierte Kommunikationsformen in geteilten virtuellen Realitäten [Mediated forms of communication in shared virtual realities]

Grimme Institute

CO-APPLICANT WITH GARY BENTE, KAI KASPAR, DANIEL ROTH, & VASSILIS SEVDALIS

August 2015 - January 2016

- 21500 Euro

Awards & Distinctions

GESIS Research Award for Cross-Departmental Collaboration

GESIS

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

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

PEER-REVIEWED JOURNAL PAPERS

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>

Schnauber-Stockmann, A., Scharkow, 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>

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>

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>

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>

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>

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>

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>

Breuer, J., Kmetty, Z., Haim, M., & Stier, S. (2022). User-centric approaches for collecting Facebook data in the “post-API age”: Experiences from two studies and recommendations for future research. *Information, Communication & Society*, Advance online publication. <https://doi.org/10.1080/1369118x.2022.2097015>

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>

Wulf, T., Breuer, J. S., & 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>

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>

- 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>
- 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>
- 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>
- 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>
- 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>
- 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>
- 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>
- 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>
- 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>
- Breuer, J., & Tolks, D. (2018). Grenzen von Serious Games für Gesundheit [Limits of Serious Games for Health]. *Prävention Und Gesundheitsförderung*, 4(13), 327–332. <https://doi.org/10.1007/s11553-018-0654-1>
- 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>
- Klein, O., Hardwicke, T. E., Aust, F., Breuer, J., Danielsson, H., Mohr, A. H., IJzerman, H., Nilsonne, G., & Frank, M. C. (2018). A practical guide for transparency in psychological science. *Collabra: Psychology*, 4(1). <https://doi.org/10.1525/collabra.158>
- 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/10.17645/mac.v6i2.1317>
- 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>
- 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>
- 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>

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>

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>

Breuer, J., Scharkow, M., & Quandt, T. (2015). Sore Losers? A Reexamination of the Frustration–Aggression Hypothesis for Colocated Video Game Play. *Psychology of Popular Media Culture*, 4(2), 126–137. <https://doi.org/10.1037/ppm0000020>

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>

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>

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>

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>

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>

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>

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

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 PAPERS (NOT PEER-REVIEWED)

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>

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>

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>

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>

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>

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>

Peter, C., Breuer, J., Masur, P. K., Scharkow, 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>

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>

Trixa, J., & Breuer, J. (2020). Press Start: Digitale Spiele im Unterricht [Press Start: Digital games in the classroom]. *Grundschule*, 05/2020, 53–55.

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.

Quandt, T., Breuer, J., Festl, R., & Scharkow, 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

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>

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>

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/ugvf>

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>

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>

Klein, O., Hardwicke, T. E., Aust, F., Breuer, J., Danielsson, H., Hofelich Mohr, A., IJzerman, H., Nilsonne, G., van-paemel, wolf, & Frank, M. C. (2018). *A practical guide for transparency in psychological science* [Preprint]. PsyArXiv. <https://doi.org/10.31234/osf.io/rtygm>

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

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.

Breuer, J., Weller, K., & Kinder-Kurlanda, K. (2023). The Role of Participants in Online Privacy Research: Ethical and Practical Consideration. In S. Trepte & P. K. Masur (Eds.), *The Routledge Handbook of Privacy and Social*

Media (pp. 314–323). Routledge.

- Breuer, J., Kohne, J., & Rohangis Mohseni, M. (2023). Using YouTube data for social science research. In J. Skopek (Ed.), *Research Handbook on Digital Sociology* (pp. 258–277). Edward Elgar Publishing. <https://doi.org/10.4337/9781789906769.00022>
- Breuer, J. (2023). Www - Die Funktionen des Internets für die Wissenschaft [www - The functions of the internet for science]. In S. Hofhues & K. Schütze (Eds.), *Doing Research - Wissenschaftspraktiken zwischen Positionierung und Suchanfragen* [Doing Research - Research practices between positioning and search requests] (pp. 417–423). transcript.
- Wulf, T., Possler, D., & Breuer, J. (2022). Content Analysis in the Research Field of Video Games. In F. Oehmer-Pedrazzi, S. H. Kessler, E. Humprecht, K. Sommer, & L. Castro (Eds.), *Standardisierte Inhaltsanalyse in der Kommunikationswissenschaft – Standardized Content Analysis in Communication Research* (pp. 287–297). Springer VS.
- Rüth, M., Breuer, J., Morten, T., & Kaspar, K. (2020). Bedeutet mehr Feedback auch mehr lernen? Die Wirkung von erweitertem und korrigierendem Feedback in einem digitalen Quizspiel auf die Lernleistung [Does more feedback also mean more learning? The effect of corrective feedback in a digital quiz game on learning performance]. In K. Kaspar, M. Becker-Mrotzek, S. Hofhues, J. König, & D. Schmeinck (Eds.), *Bildung, Schule, Digitalisierung* [Education, School, Digitalization] (pp. 25–30). Waxmann.
- Breuer, J. (2019). You Learn What You Play - On the fundamental coupling of playing and learning in humans and digital games. In J. Breuer, D. Pietschmann, B. Liebold, & B. P. Lange (Eds.), *Evolutionary Psychology and Digital Games* (pp. 167–178). Routledge.
- Lange, B. P., Breuer, J., Liebold, B., & Pietschmann, D. (2019). Why an Evolutionary Psychological Approach to Digital Games? In J. Breuer, D. Pietschmann, B. Liebold, & B. P. Lange (Eds.), *Evolutionary Psychology and Digital Games* (pp. 1–13). Routledge.
- Breuer, J. (2018). Blame the Players, Don't Blame the Games - Why we should worry less about sexist video game content and focus more on interactions between players. In C. J. Ferguson (Ed.), *Video Game Influences on Aggression, Cognition, and Attention* (pp. 137–149). Springer.
- Breuer, J. (2017). Hate Speech in Online Games. In K. Kaspar, L. Grässer, & A. Riffi (Eds.), *Online Hate Speech. Perspektiven auf eine neue Form des Hasses*. (pp. 107–112). kopaed.
- Breuer, J. (2017). Non vitae, sed ludo discimus? Grenzen des Lernens mit Computerspielen [The limits of learning with computer games]. In W. Zielinski, S. Alßmann, K. Kaspar, & P. Moormann (Eds.), *Spielend lernen! Computerspiele(n) in Schule und Unterricht* (pp. 17–26). kopaed.
- Breuer, J. (2017). R (software). In J. Matthes (Ed.), *International Encyclopedia of Communication Research Methods*. Wiley.
- Breuer, J., & Elson, M. (2017). Frustration-aggression theory. In P. Sturmy (Ed.), *The Wiley Handbook of Violence and Aggression*. Wiley.
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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.

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.

Breuer, J., Scharkow, 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.

Breuer, J. (2010). *Ich sehe was, was Du nicht siehst - Der Einfluss digitaler Spiele auf Wahrnehmungs- und Informationsverarbeitungsprozesse [I spy with my virtual eye - The effect of digital games on perception and information processing]*. DGPuK-Doktorandentage, Leipzig (Germany), September.

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.

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.

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.

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.

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.

OTHER PRESENTATIONS (NOT PEER-REVIEWED) AND INVITED TALKS

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.

Breuer, J., & Stier, S. (2021). *Combining survey data and digital behavioral data*. GESIS Meet the Experts, Online, July.

Breuer, J. (2019). *Data Linking: Survey data & social media data*. CESSDA Training Days, Cologne (Germany), November.

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.

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.

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.

Bishop, L., Breuer, J., & Schiller, D. H. (2017). *Archiving new types of data*. CESSDA Experts Seminar, Bergen (Norway), September.

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.

Breuer, J. (2015). *Let's get serious - Assessing the potentials and limitations of serious games*. Summer School "Living with Media," Cologne (Germany), July.

Breuer, J. (2015). *The Hot Topic Mod – Sex(ism) and violence in video games*. Expra-Kongress Psychologie der Université du Luxembourg, Belval (Luxemburg), December.

Breuer, J., & Elson, M. (2014). *Lernwerkzeug, Suchtmittel oder doch nur ein Spiel? Über die Wirkung von Computer- und Videospielen auf ihre Nutzer [The effects of computer and video games on their users]*. Was wird hier gespielt? Computerspiele in Familie 2020, Fulda (Germany), May.

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.

Breuer, J. (2013). *Faszination Onlinespiele [The allure of online games]*. Bürgernetz Münster, Münster (Germany), October.

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.

Quandt, T., & Breuer, J. (2012). *Casual Learning durch COTS-Spiele [Casual Learning Through COTS Games]*. Serious Games Symposium 2012, Mannheim (Germany), February.

Breuer, J. (2010). *Computerspiele verstehen [Understanding Computer Games]*. Medienkompetenztage Baden-Württemberg, Stuttgart (Germany), October.

Teaching experience

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 LEA 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 Videospieforschung [Studying games - Results and methods of research on computer and video games]

SEMINAR, UNDERGRADUATE LEVEL

University of Hohenheim

Computer- und Videospiele [Computer and video games]

SEMINAR, GRADUATE LEVEL

Winter term 2010-2011

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

SEMINAR (TOGETHER WITH MARIA SENOKOZLIEVA), GRADUATE LEVEL

University of Cologne

Summer term 2009

INVITED GUEST LECTURES

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

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

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

Reproducible research practices for psychologists

TOGETHER WITH FREDERIK AUST

Leuven

April 2022

Automatic sampling and analysis of YouTube data

TOGETHER WITH JULIAN KOHNE & M. ROHANGIS MOHSENI

online

February 2022

Ethische Fragen in der Forschung mit digitalen Spurdaten [Ethical questions in research with digital trace data]

WORKSHOP FOR THE DEPARTMENT FOR MEDIA, KNOWLEDGE AND COMMUNICATION AT THE UNIVERSITY OF AUGSBURG

January 2022

Tools and Workflows for Reproducible Research in the Quantitative Social Sciences

TOGETHER WITH BERND WEISS & ARNIM BLEIER

online

November 2021

Introduction to R for Data Analysis

TOGETHER WITH STEFAN JUENGER

online

August 2021

Introduction to survey data cleaning using tidyverse in R

TOGETHER WITH STEFAN JUENGER, ESRA 2021

online

July 2021

Linking Twitter & Survey Data

TOGETHER WITH LIBBY BISHOP & LUKE SLOAN

online

June 2021

Automatic sampling and analysis of YouTube data

TOGETHER WITH JULIAN KOHNE & M. ROHANGIS MOHSENI

online

February 2021

Introduction to R for Data Analysis

TOGETHER WITH STEFAN JUENGER

online

August 2020

Linking Twitter & Survey Data

TOGETHER WITH LIBBY BISHOP & LUKE SLOAN

online

June 2020

Archiving Social Media Data: Challenges and Proposed Solutions

CESSDA WEBINAR

online

June 2020

Automatic sampling and analysis of YouTube data

TOGETHER WITH JULIAN KOHNE & M. ROHANGIS MOHSENI

Cologne

February 2020

Working with the Facebook Ad Library

GESIS DATA DAY 2020

Cologne

January 2020

Developing your personal workflow for transparent & reproducible research

TOGETHER WITH FREDERIK AUST, SIPS 2019

Rotterdam

July 2019

Data Wrangling & Exploration with the Tidyverse in R

TOGETHER WITH STEFAN JUENGER & THOMAS EBEL

Mannheim

May 2019

Forschungsdaten selbst analysieren in R [Analyzing research data with R]

GESIS DATA DAY 2019

Cologne

January 2019

A practical primer on transparent research workflows

TOGETHER WITH FREDERIK AUST, ESCON 2018

Cologne

September 2018

Exploring data from ALLBUS and the European Values Study in R

SciCAR 2018

Dortmund

September 2018

(Co-)SUPERVISED THESES

Rother, E.: Gameplay, Gender & Hate Speech: Eine Ueberblicksarbeit zur Problematik von Sexismus in Online Games [A review of research on sexism in online games]

BACHELOR THESIS

University of Cologne

2017

Rhine, S. & Moravek, J.: I feel phonely - Eine Studie zum Zusammenhang zwischen Smartphonenuutzung und persoenlichen Beziehungen [A study on the relationship between smartphone use and personal relationships]

BACHELOR THESIS

University of Cologne

2016

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]

MASTER THESIS

University of Cologne

2016

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]

MASTER THESIS

University of Cologne

Khala, J., Mueschen, A., & 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]

BACHELOR THESIS

Behrendt, J.: Kultur- und Geschlechterunterschiede bei der Rezeption und Produktion von Rapport

MASTER THESIS

University of Cologne

Trouillé, A.-K.: Ingroup and outgroup differences in the recognition of nonverbal displays of emotion

BACHELOR THESIS

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]

MASTER THESIS

Götz, M.: Vergleich der Computer- und Videospielnutzung 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]

BACHELOR THESIS

Frick, M.: Power to the Pixel - Faszination Retro Gaming - Analyse einer Subkultur der Videospieldgemeinschaft [Retro Gaming - Analysis of a gaming subculture]

BACHELOR THESIS

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]

BACHELOR THESIS

Elson, M.: The Effects of Displayed Violence and Game Speed in First-Person Shooters on Physiological Arousal and Aggressive Behavior

DIPLOM THESIS

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]

DIPLOM THESIS

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]

DIPLOM THESIS

Vohwinkel, K.: Playability: Evaluation von Computer- und Videospielen [Evaluating computer and video games]

DIPLOM THESIS

Service

EDITING

easy_social_sciences

MEMBER OF THE EDITORIAL BOARD

Since April 2021

Media Psychology

MEMBER OF THE EDITORIAL BOARD

Since March 2021

Psychology of Popular Media

MEMBER OF THE EDITORIAL BOARD

Since January 2020

Media and Communication

MEMBER OF THE EDITORIAL BOARD

Since January 2019

Communication Research Reports

MEMBER OF THE EDITORIAL BOARD

Since May 2016

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 *Research Foundation Flanders (FWO)*, the *National Science Center Poland*, and the *Hungarian Academy of Sciences*
- Reviewer for various edited volumes and academic conferences

COMMITTEES AND OTHER POSITIONS

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

- 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)