Dr. Johannes Breuer

SENIOR RESEARCHER

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

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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)

Rochum

TEAM LEADER• Team Research Data & Methods

Since 07/2021

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 Cologne

POSTDOCTORAL RESEARCHER & LECTURER

10/2014 - 03/2017

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

University of Münster Münster

RESEARCHER 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

06/2007 - 03/2010 RESEARCHER

• 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

RMRF

CO-PI WITH SIMONE HAASLER, LYDIA REPKE, AND SOPHIE ZERVOS August 2022 - August 2025

483000 Furo

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

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

Mediierte 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 Furo

Awards & Distinctions

GESIS Research Award for Cross-Departmental Collaboration

GESIS

TOGETHER WITH HENNING SILBER, CHRISTOPH BEUTHNER, TOBIAS GUMMER, FLORIAN KEUSCH, PASCAL SIEGERS, SEBASTIAN November 2023 STIER, & BERND WEISS

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

February 2022

University of Bremen

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

Performance bonus for exceptional performance in creating and implementing the

Psychology Division

September 2019

11th Conference of the Media

together with Johannes Blumenberg, Julia Drzervitzky, Jan-Lucas-Schanze, Sonja Schulz, Heidi Schulze, & Benjamin Zapilko

May 2019

GESIS

Winner science slam

University of Hohenheim

July 2011

Various competitive (conference) travel grants

DAAD 2008 - 2015

Publications

GESIS Research Day

PEER-REVIEWED JOURNAL PAPERS

- 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
- 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
- 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 for Health [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.
- 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

- 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
- 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
- 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/ugvft
- 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. Aßmann, 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. Sturmey (Ed.), *The Wiley Handbook of Violence and Aggression*. Wiley.
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- 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.
- 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 virtul 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 Luxemburg, Belval (Luxemburg), December.
- Breuer, J., & Elson, M. (2014). Lernwerkzeug, Suchtmittel oder doch nur ein Spiel? Über die Wirkung von Computerund 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. Games Day 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

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

Medienwirkung [Media effects]

RESEARCH SEMINAR (TOGETHER WITH JOSEPHINE SCHMITT), GRADUATE LEVEL

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

SEMINAR, GRADUATE LEVEL

Medien und Gewalt [Media and violence]

SEMINAR, UNDERGRADUATE LEVEL

Medienwirkung [Media effects]

RESEARCH SEMINAR (TOGETHER WITH LENA FRISCHLICH), GRADUATE LEVEL

HHU Duesseldorf

Winter term 2021-2022

HHU Duesseldorf

Winter term 2020-2021

University of Cologne

Winter term 2016-2017

University of Cologne

Winter term 2016-2017

University of Cologne

Summer term 2016

University of Cologne

Winter term 2015-2016

Aktuelle Ansätze in der Medienwirkungsforschung [Current approaches in media effects University of Cologne research1 SEMINAR, GRADUATE LEVEL Winter term 2015-2016 Medien und Gewalt [Media and violence] University of Cologne SEMINAR, UNDERGRADUATE LEVEL Summer term 2015 Aktuelle Ansätze in der Medienwirkungsforschung [Current approaches in media effects University of Cologne research1 SEMINAR, GRADUATE LEVEL Winter term 2014-2015 Neue Medien: von CvK bis HCI [New media: From CMC to HCI] University of Cologne SEMINAR, GRADUATE LEVEL Winter term 2013-2014 Mediensozialisation und Lernen mit Medien [Media socialization and learning with University of Cologne media] SEMINAR (TOGETHER WITH MALTE ELSON), UNDERGRADUATE LEVEL Winter term 2012-2013 Aus dem Leben eines Spielers – Biographische Leitfadeninterviews mit University of Hohenheim Computerspielern [From the life of a player - Biographical interviews with gamers] SEMINAR, UNDERGRADUATE LEVEL Winter term 2011-2012 Studying Games - Befunde und Methoden der Computer- und Videospielforschung University of Hohenheim [Studying games - Results and methods of research on computer and video games] SEMINAR, UNDERGRADUATE LEVEL Winter term 2010-2011 Computer- und Videospiele [Computer and video games] University of Cologne SEMINAR, GRADUATE LEVEL Summer term 2009 Computervermittelte Kommunikation und Online-Gaming [Computer-mediated University of Cologne communication and online gaming] SEMINAR (TOGETHER WITH MARIA SENOKOZLIEVA), GRADUATE LEVEL Summer term 2008 INVITED GUEST LECTURES Verknuepfung von digitalen Spurdaten & Umfragen - Wieso, wie und was ist moeglich? FAU Erlangen-Nürnberg [Linking digital trace data & surveys - Why, how, and what is possible?] GRADUATE LEVEL Social-Media-Daten in der Bildungsforschung [Social media data in educational University of Applied Sciences of the research] Grisons TOGETHER WITH THOMAS LOESCH, GRADUATE LEVEL March 2022 Sekundäranalyse von Forschungsdaten [Secondary analysis of research data] University of Würzburg GRADUATE LEVEL February 2022 Sekundäranalyse von Forschungsdaten [Secondary analysis of research data] University of Würzburg February 2021 GRADUATE LEVEL University of Würzburg Sekundäranalyse von Forschungsdaten [Secondary analysis of research data] GRADUATE LEVEL January 2020 Chancen und Herausforderungen in der Forschung mit digitalen Verhaltensdaten University of Cologne [Potentials and challenges in research with digital behavioral data] December 2019 Sekundäranalyse von Forschungsdaten [Secondary analysis of research data] University of Würzburg GRADUATE LEVEL June 2019 Videospiele(n) aus evolutionspsychologischer Perspektive [Video games from an University of Würzburg evolutionary psychology perspective] TOGETHER WITH DANIEL PIETSCHMANN, UNDERGRADUATE LEVEL Can smartphones make people smarter? Challenges and opportunities for the design TU Chemnitz and use of mobile educational games

GRADUATE LEVEL

December 2015

Workshops

Workflows for Reproducible Research with R & Git	online
TOGETHER WITH BERND WEISS & ARNIM BLEIER	November 2023
Introduction to Sentiment Analysis: Potentials and limitations	online
Together with Caio Mello & Gaurish Thakkar	July 2023
Automatic sampling and analysis of YouTube data	online
Together with Annika Deubel & M. Rohangis Mohseni	February 2023
Using git & GitHub via RStudio	Bochum
Together with Marco Wähner	January 2023
Tools and Workflows for Reproducible Research in the Quantitative Social Sciences	online
TOGETHER WITH BERND WEISS & ARNIM BLEIER	November 2022
Introduction to R for Data Analysis	online
Together with Stefan Juenger and Veronika Batzdorfer	August 2022
Linking Twitter & Survey Data	online
TOGETHER WITH LIBBY BISHOP & LUKE SLOAN	June 2022
Twitter-Daten mit R [Twitter Data with R]	online
Short demo for the workshop Twitter Tools - Collecting, processing, and analyzing data	May 2022
Reproducible research practices for psychologists	Leuven
TOGETHER WITH FREDERIK AUST	April 2022
Automatic sampling and analysis of YouTube data	online
Together with Julian Kohne & M. Rohangis Mohseni	February 2022
Ethische Fragen in der Forschung mit digitalen Spurdaten [Ethical questions in research with digital trace data]	online
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	online
TOGETHER WITH BERND WEISS & ARNIM BLEIER	November 2021
Introduction to R for Data Analysis	online
Together with Stefan Juenger	August 2021
Introduction to survey data cleaning using tidyverse in R	online
Together with Stefan Juenger, ESRA 2021	July 2021
Linking Twitter & Survey Data	online
TOGETHER WITH LIBBY BISHOP & LUKE SLOAN	June 2021
Automatic sampling and analysis of YouTube data	online
Together with Julian Kohne & M. Rohangis Mohseni	February 2021
Introduction to R for Data Analysis	online
Together with Stefan Juenger	August 2020
Linking Twitter & Survey Data	online
TOGETHER WITH LIBBY BISHOP & LUKE SLOAN	June 2020
Archiving Social Media Data: Challenges and Proposed Solutions	online
CESSDA WEBINAR	June 2020
Automatic sampling and analysis of YouTube data	Cologne
Together with Julian Kohne & M. Rohangis Mohseni	February 2020
Working with the Facebook Ad Library	Cologne
GESIS DATA DAY 2020	January 2020
Developing your personal workflow for transparent & reproducible research	Rotterdam
TOGETHER WITH FREDERIK AUST, SIPS 2019	July 2019
Data Wrangling & Exploration with the Tidyverse in R	Mannheim
TOGETHER WITH STEFAN JUENGER & THOMAS EBEL	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
Rhine, S. & Moravek, J.: I feel phonely - Eine Studie zum Zusammenhang zwischen Smartphonenutzung und persoenlichen Beziehungen [A study on the relationship between smartphone use and personal relationships]	University of Cologne
Bachelor thesis	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
	2010
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]	University of Cologne
MASTER THESIS	2015
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]	University of Cologne
Bachelor thesis	2015
Behrendt, J.: Kultur- und Geschlechterunterschiede bei der Rezeption und Produktion von Rapport MASTER THESIS	University of Cologne
Trouillé, AK.: Ingroup and outgroup differences in the recognition of nonverbal displays of emotion	University of Cologne
Bachelor thesis	2015
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]	University of Hohenheim
MASTER THESIS	2013
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	University of Hohenheim 2012
Frick, M.: Power to the Pixel - Faszination Retro Gaming - Analyse einer Subkultur der	2012
Videospielergemeinschaft [Retro Gaming - Analysis of a gaming sucbulture] Bachelor thesis	University of Hohenheim 2012
Wiesinger, F.: Auswirkungen extensiver Nutzung von Computer und Videospielen auf das soziale Leben von Schülern [Effexts of excessive computer game use on the social life of	University of Hohenheim

BACHELOR THESIS

high school students]

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

University of Cologne

DIPLOM THESIS 2011

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]

University of Cologne

DIPLOM THESIS 2010

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]

University of Cologne

DIPLOM THESIS 2010

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

University of Cologne

DIPLOM THESIS 2010

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)