

Curriculum Vitae Arndt Bröder

June 8th 2020

Address

University of Mannheim
Experimental Psychology Lab
L13, 17
D-68131 Mannheim, Germany
Phone (+49) 261 181-2101
Fax (+49) 261 181-2129
Email broeder@uni-mannheim.de

Academic Exams and Positions

- Studies of psychology at the University of Bonn (Diplom in 1995 [=M.Sc.])
- Lecturer (Wissenschaftlicher Mitarbeiter) at the University of Bonn, Dept. of Psychology (1995-1999)
- Dr. phil. (Ph.D.) in Heidelberg (1999)
- Heinz-Heckhausen-Young Scientist Award of the German Psychological Society (DGPs 2000)
- Senior researcher (Wissenschaftlicher Assistent C1) at the University of Bonn, Dept. of Psychology (2000-2005)
- Postdoctoral lecture qualification (Habilitation) at the University of Bonn (2005)
- Senior Reseracher at the *Max Planck Institute for Human Development*, ABC Reserach Group, Berlin (Feb. 2005-Sep 2005)
- Professor position (W2) at the *Max Planck Institute for Research on Collective Goods*, Bonn (Oct 2005 – Sep 2006)
- Professor for *Experimental Psychology* (Allgemeine Psychologie, W2) at the University of Bonn (Oct 2006 – July 2010)
- Professor for *Experimental Psychology* (Allgemeine Psychologie, W3) at the University of Mannheim (since Aug 2010)
- Spokesperson of the DFG Research Unit *Contextualized Decision Making* (2012-2017)

Memberships

- Psychonomic Society
- German Psychological Society (DGPs)
- European Association for Decision Making (EADM)
- Society for Judgment and Decision Making (SJDM)
- Gesellschaft zur wissenschaftlich Untersuchung von Parawissenschaften (GWUP)

Editorial Boards

- Experimental Psychology (Associate Editor)
- Advances in Cognitive Psychology (Associate Editor)
- Judgment and Decision Making (Associate Editor)
- Journal of Behavioral Decision Making (Editorial Board)
- Acta Psychologica (Editorial Board)
- Journal of Cognitive Psychology (Editorial Board)

Peer-reviewed Journal Articles (chronological)

- Undorf, M., & Bröder, A. (*in press*). Cue Integration in Metamemory Judgments is Strategic. *Quarterly Journal of Experimental Psychology*.
- Heck, D. W., Seiling, L., & Bröder, A. (2020). The Love of Large Numbers Revisited: A Coherence Model of the Popularity Bias. *Cognition*, 195, 104069.
- Scharf, Sophie E., Wiegmann, Monika, & Bröder, Arndt. (2019). Information search in everyday decisions: The generalizability of the attraction search effect. *Judgment and Decision Making*, 14(4), 488–512.
- Bröder, A. & Undorf, M. (2019). Using the lens model to analyze metacognitive judgments of learning. *The Brunswik Society Newsletter*, 34, 4-6.
- Starns, J. J., Cataldo, A. M., Rotello, C. M., Annis, J., Aschenbrenner, A., Bröder, A., Cox, G., Criss, A., Curl, R. A., Dobbins, I. G., Dunn, J., Enam, T., Evans, N. J., Farrell, S., Fraundorf, S. H., Gronlund, S. D., Heathcote, A., Heck, D. W., Hicks, J. L., ... Wilson, J. (2019). Assessing theoretical conclusions with blinded inference to investigate a potential inference crisis. *Advances in Methods and Practices in Psychological Science*, 2(4), 335–349. [contributing author]
- Bröder, A. & Undorf, M. (2019). Metamemory viewed through the judgment lens. *Acta Psychologica*, 197, 153-165.
- Shevchenko, Y., & Bröder, A. (2019). Noncompliance with online mood manipulations using film clips: How to detect and control for it. *Heliyon*, 5(4), e01438.
- Arnold, N. R., Heck, D. W., Bröder, A., Meiser, T., & Boywitt, C. D. (2019). Testing hypotheses about binding in context memory with a hierarchical multinomial modeling approach: A preregistered study. *Experimental Psychology*, 66(3), 239–251.
- Jung, D., Erdfelder, E., Bröder, A., & Dorner, V. (2019). Differentiating motivational and cognitive explanations for decision inertia. *Journal of Economic Psychology*, 72, 30–44.
- Malejka, S. & Bröder, A. (2019). Exploring the shape of signal-detection distributions in individual recognition ROC data. *Journal of Memory and Language*, 104, 83-107.
- Jekel, M., Glöckner, A. & Bröder, A. (2018). A new and unique prediction for cue-search in a parallel-constraint satisfaction network model: The attraction search effect. *Psychological Review*, 125, 744-768.

- Bröder, A. & Gräf, M. (2018). Retrieval from memory and cue complexity both trigger exemplar-based processes in judgment. *Journal of Cognitive Psychology*, 30(4), 406-417.
- Shevchenko, Y., Bröder, A. (2018). The effect of mood on integration of information in a multi-attribute decision task. *Acta Psychologica*, 185, 136-145.
- Marewski, J. N., Bröder, A. & Glöckner, A. (2018). Some metatheoretical reflections on adaptive decision making and the strategy selection problem. *Journal of Behavioral Decision Making*, 31(2), 181-198.
- Undorf, M., Söllner, A. & Bröder, A. (2018). Simultaneous utilization of multiple cues in judgments of learning. *Memory & Cognition*, 46, 507-519.
- Vahsen, N., Bröder, A., Hraska, V. & Schneider, M. B. E. (2018). Neurodevelopmental outcome in children with single ventricle after total cavopulmonary connection. *Klinische Pädiatrie*, 230(1), 24-30.
- Bröder, A., Gräf, M. & Kieslich, P. (2017). Measuring the relative contributions of rule-based and exemplar-based processes in judgment: Validation of a simple model. *Judgment and Decision Making*, 12, 491-506.
- Bewernick, B.H., Urbach, A.S., Bröder, A., Kayser, S. & Schlaepfer, T.E. (2017). Walking away from depression -- Motor activity increases ratings of mood and incentive drive in patients with major depression. *Psychiatry Research*, 247, 68-72.
- Bröder, A. & Malejka, S. (2017). On a problematic procedure to manipulate response biases in recognition experiments: The case of 'implied' base rates. *Memory*, 25(6), 736-743.
- Malejka, S. & Bröder, A. (2016). No source memory for unrecognized items when implicit feedback is avoided. *Memory & Cognition*, 44, 63-72.
- Nett, N., Bröder, A. & Frings, C. (2016). Distractor-based stimulus-response bindings retrieve decisions independent of motor programs. *Acta Psychologica*, 171, 57-64.
- Söllner, A. & Bröder, A. (2016). Toolbox or adjustable spanner? A critical comparison of two metaphors for adaptive decision making. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 42(2), 215-237.
- Arnold, N. R., Bröder, A. & Bayen, U. (2015). Empirical validation of the diffusion model for recognition memory and a comparison of parameter-estimation methods. *Psychological Research*, 79(5), 882-898.
- Nett, N., Bröder, A. & Frings, C. (2015). When irrelevance matters: Stimulus-response-binding in decision making under uncertainty. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 41(6), 1831-1848
- Ettlin, F., Bröder, A., & Henninger, M. (2015). A new task format for investigating information search and organization in multi-attribute decisions. *Behavior Research Methods*, 47, 506-518.
- Ettlin, F., & Bröder, A. (2015). Perceptual grouping does not affect multi-attribute decision making if no processing costs are involved. *Acta Psychologica*, 157, 30-43.
- Glöckner, A. & Bröder, A. (2014). Cognitive integration of recognition information and additional cues in memory-based decisions. *Judgment and Decision Making*, 9, 35-50.

- Jekel, M., Glöckner, A., Bröder, A., & Maydych, V. (2014). Approximating rationality under incomplete information: Adaptive inferences for missing cue values based on cue-discrimination. *Judgment and Decision Making*, 9(2), 129-147.
- Söllner, A., Bröder, A., Glöckner, A. & Betsch, T. (2014). Single-process versus multiple-strategy models of decision making: Evidence from an information intrusion paradigm. *Acta Psychologica*, 146, 84-96.
- Platzer, C., Bröder, A. & Heck, D. (2014). Deciding with the eye: How the visually manipulated accessibility of information in memory influences decision behavior. *Memory & Cognition*, 42(4), 595-608.
- Pachur, T., & Bröder, A. (2013). Judgment: A cognitive processing perspective. *Wiley Interdisciplinary Reviews: Cognitive Science*, 4, 665–681.
- Bröder, A., Kellen, D., Schütz, J. & Rohrmeier, C. (2013). Validating a two-high-threshold measurement model for confidence rating data in recognition. *Memory*, 21(8), 916-944.
- Greve, W., Bröder, A. & Erdfelder, E. (2013). Result-blind peer reviews and editorial decisions: A missing pillar of scientific culture. *European Psychologist*, 18(4), 286-294.
- Platzer, C., & Bröder, A. (2013). When the rule is ruled out: Exemplars and rules in decisions from memory. *Journal of Behavioral Decision Making*, 26, 429-441.
- Kellen, D., Klauer, K.-C. & Bröder, A. (2013). Recognition memory models and binary-response ROCs: A comparison by minimum description length. *Psychonomic Bulletin & Review*, 20(4), 693-719.
- Bröder, A., Glöckner, A., Betsch, T., Link, D. & Ettl, F. (2013). Do people learn option or strategy routines in multi-attribute decisions? The answer depends on subtle factors. *Acta Psychologica*, 143(2), 200-209.
- Söllner, A., Bröder, A. & Hilbig, B. E. (2013). Deliberation versus automaticity in decision making: Which presentation format features facilitate automatic decision making? *Judgment and Decision Making*, 8(3), 278-298.
- Jekel, M., Glöckner, A., Fiedler, S. & Bröder, A. (2012). The rationality of different kinds of intuitive decision processes. *Synthese*, 189, 147-160.
- Platzer, C. & Bröder, A. (2012). Most people do not ignore salient invalid cues in memory-based decisions. *Psychonomic Bulletin & Review*, 19(4), 654-661.
- Bröder, A., Krüger, N. & Schütte, S. (2011). The survival processing effect should generalise to source memory, but it doesn't. *Psychology*, 2(9), 896-901.
- Schütz, J. & Bröder, A. (2011). Signal detection and threshold models of source memory. *Experimental Psychology*, 58(4), 293-311.
- Glöckner, A. & Bröder, A. (2011). Processing of recognition information and additional cues: A model-based analysis of choice, confidence, and response time. *Judgment and Decision Making*, 6, 23-42.
- Bröder, A., Newell, B. R. & Platzer, C. (2010). Cue Integration vs. Exemplar-Based Reasoning in Multi-Attribute Decisions from Memory: A Matter of Cue Representation. *Judgment & Decision Making*, 5 (5), 326-338.
- Bröder, A. (2009). Semantically clustered words are stored with integrated context: Validating a Measurement Model for Source Memory, Storage, and Retrieval in Free Recall. *Zeitschrift für Psychologie / Journal of Psychology*, 217(3), 136-148.
- Bröder, A. & Schütz, J. (2009). Recognition ROCs Are Curvilinear - or Are They? On Premature Arguments against the Two-High-Threshold Model of Recognition

- Journal of Experimental Psychology: Learning, Memory, & Cognition*, 35, 587-606.
[see also *Correction to Bröder & Schütz (2009) in JEP:LMC*, 37(5), 1301.]
- Hilbig, B. E., Pohl, R. F. & Bröder, A. (2009). Criterion knowledge: A moderator of using the recognition heuristic? *Journal of Behavioral Decision Making*, 22, 510-522.
- Bröder, A., Herwig, A., Teipel, S. & Fast, K. (2008). Different Storage and Retrieval Deficits in Normal Aging and Mild Cognitive Impairment (MCI): A Multinomial Modeling Analysis. *Psychology & Aging*, 23, 353-365.
- Bröder, A. & Newell, B.R. (2008). Challenging some common beliefs about cognitive costs: Empirical work within the adaptive toolbox metaphor. *Judgment and Decision Making*, 3, 205-214.
- Newell, B. R. & Bröder, A. (2008) Cognitive Processes, Models and Metaphors in Decision Research. *Judgment and Decision Making*, 3, 195-204 .
- Pachur, T., Bröder, A. & Marewski, J.N. (2008). The Recognition Heuristic in Memory-Based Inference: Is Recognition a Non-Compensatory Cue? *Journal of Behavioral Decision Making*, 21, 183-210.
- Bröder, A. & Gaissmaier, W. (2007). Sequential processing of cues in memory-based multi-attribute decisions. *Psychonomic Bulletin & Review*, 14, 895-900.
- Bröder, A., Noethen, D., Schütz, J. & Bay, P. (2007). Utilization of covariation knowledge in source monitoring: no evidence for implicit processes. *Psychological Research*, 71, 524-538.
- Scheibehenne, B. & Bröder, A. (2007). Predicting Wimbledon tennis results 2005 by mere player name recognition. *International Journal of Forecasting*, 23, 415-426.
- Bröder, A. & Meiser, M. (2007). Measuring source memory. *Zeitschrift für Psychologie / Journal of Psychology*, 215, 52-60.
- Hausmann, D., Läge, D., Pohl, R. & Bröder, A. (2007). Testing the QuickEst: No evidence for the Quick-Estimation heuristic. *European Journal of Cognitive Psychology*, 19(3), 446-456.
- Vogt, V. & Bröder, A. (2007). Independent retrieval of source dimensions: An extension of results by Starns and Hicks (2005) and a comment on the ACSIM measure. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 33, 443-450.
- Erdfelder, E., Brandt, M. & Bröder, A. (2007). Recollection biases in hindsight judgments. *Social Cognition*, 25, 114-131.
- Bröder, A. & Schiffer, S. (2006). Stimulus format and working memory in fast and frugal strategy selection. *Journal of Behavioral Decision Making*, 19, 361-380.
- Bröder, A. & Schiffer, S. (2006). Adaptive flexibility and maladaptive routines in selecting fast and frugal decision strategies. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 32, 904-918.
- Bröder, A. & Eichler, A. (2006). The use of recognition information and additional cues in inferences from memory. *Acta Psychologica*, 121, 275-284.
- Bröder, A. (2003). Decision making with the „adaptive toolbox“: Influence of environmental structure, intelligence, and working memory load. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 29, 611-625.
- Bröder, A. & Schiffer, S. (2003). "Take The Best" versus simultaneous feature matching: Probabilistic inferences from memory and effects of representation format. *Journal of Experimental Psychology: General*, 132, 277-293.

- Bröder, A. & Schiffer, S. (2003). Bayesian strategy assessment in multi-attribute decision research. *Journal of Behavioral Decision Making*, 16, 193-213.
- Bröder, A. & Hohmann, N. (2003). Variations in risk taking behavior over the menstrual cycle. An improved replication. *Evolution and Human Behavior*, 24, 391-398.
- Bröder, A. (2002). Take The Best, Dawes' Rule, and compensatory decision strategies: A regression-based classification method. *Quality & Quantity*, 36; 219-238.
- Meiser, T. & Bröder, A. (2002). Memory for multidimensional source information. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 28, 116-137.
- Musch, J., Brockhaus, R. & Bröder, A. (2002). Ein Inventar zur Erfassung von zwei Faktoren sozialer Erwünschtheit. *Diagnostica*, 48, 121-129.
- Bröder, A. (2001). Die eingeschränkte Fruchtbarkeit eines unvollständigen Forschungsprogramms. Kommentar zu Hertwig und Hoffrage (2001). *Psychologische Rundschau*, 52, 159-162.
- Bröder, A. (2000). A methodological comment on behavioral decision research. *Psychologische Beiträge*, 42, 645-662.
- Bröder, A. (2000). Assessing the empirical validity of the "Take The Best"-heuristic as a model of human probabilistic inference. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 26, 1332-1346.
- Musch, J. & Bröder, A. (1999). Ergebnisabhängig asymmetrisches Attributionsverhalten: Motivationale Verzerrung oder rationale Informationsverarbeitung? *Zeitschrift für Sozialpsychologie*, 30, 246-254.
- Musch, J. & Bröder, A. (1999). Psychometrische Eigenschaften und Validität des multidimensionalen Prüfungsängstlichkeitsinventars TAI-G. *Zeitschrift für Pädagogische Psychologie*, 13, 100-105.
- Musch, J. & Bröder, A. (1999). Test anxiety versus academic skills: A comparison of two alternative models for predicting performance in a statistics exam. *British Journal of Educational Psychology*, 69, 107-118.
- Bröder, A. (1998). Deception can be acceptable. *American Psychologist*, 53, 805-806.
- Bröder, A. & Bredenkamp, J. (1996). SLIP-Technik, Prozeßdissoziationsmodell und multinomiale Modellierung: neue Werkzeuge zum experimentellen Nachweis "Freudscher Versprecher"? *Zeitschrift für Experimentelle Psychologie*, 43, 175-202.

Books/Book sections

- Bröder, A. (2019). Methods for studying human thought. In R. J. Sternberg & J. Funke (Eds.). *Introduction to the Psychology of Human Thought*, (p.27-52). Heidelberg: Heidelberg University Publishing.
- Bröder, A. & Hilbig, B. E. (2017). Urteilen und Entscheiden. In J. Müsseler & M. Rieger (Hrsg.). *Allgemeine Psychologie*. (3. Auflage, S. 619-659). Heidelberg: Springer.
- Bröder, A., Erdfelder, E., Hilbig, B. E., Meiser, T., Pohl, R.F. & Stahlberg, D. (eds.) (2012). *Abstracts of the 54th Tagung experimentell arbeitender Psychologen (TeaP 2012)*. Lengerich: Pabst Science Publishers.
- Bröder, A. (2011). *Versuchsplanung und experimentelles Praktikum*. Göttingen: Hogrefe
- Bröder, A. (2012). The Quest for Take The Best - Insights and Outlooks from Experimental Research. In P. Todd, G. Gigerenzer, and the ABC Research Group,

- Ecological rationality: Intelligence in the world* (pp. 216-240), New York: Oxford University Press. [reprinted in: G. Gigerenzer, R. Hertwig & T. Pachur (Eds.). (2011). *Heuristics. The foundations of adaptive behavior* (p. 364-382), New York: Oxford University Press].
- Bröder, A. (2010). Outcome-based strategy classification. In A. Glöckner & C. Witteman (Eds.), *Foundations of tracing intuition. Challenges and methods* (pp. 61-82), Hove, UK: Psychology Press.
- Bröder, A. (2009). Memory reconstruction. In M. Kattan (Ed.). *Encyclopedia of medical decision making*, (Vol. 2, p 66-69). London: Sage.
- Bröder, A. (2009). Cues. In M. Kattan (Ed.). *Encyclopedia of medical decision making*, (Vol 1, pp. 245-247). London: Sage.
- Bröder, A. (2006). Experiment. In: J. Funke & P. A. Frensch (Hrsg.), *Handbuch der Allgemeinen Psychologie: Kognition* (717-725), Göttingen: Hogrefe.
- Bröder, A. (2005). *Entscheiden mit der "adaptiven Werkzeugkiste": Ein empirisches Forschungsprogramm*. Lengerich: Pabst Science Publishers.
- Bröder, A. (2004). Interne und externe Validität aus deduktivistischer Sicht: Versuch einer Systematisierung und Bestandsaufnahme. In E. Erdfelder & J. Funke, *Allgemeine Psychologie und deduktivistische Methodologie*, Göttingen: Vandenhoeck & Ruprecht.
- Musch, J., Bröder, A. & Klauer, K.-C. (2001). Improving Survey research on the World-Wide Web using the randomized response technique. In U.-D. Reips & M. Bosnjak (Eds.) *Dimensions of internet science* (pp. 179-192). Lengerich: Pabst.
- Bröder, A. (2000). *"Take The Best - Ignore The Rest". Wann entscheiden Menschen begrenzt rational?* Lengerich: Pabst.

Research Grants

- DFG-Project "*Determinanten begrenzt rationaler Entscheidungsstrategien*" (BR-DENK; Br 2130/1-1, Br 2130/1-2; 48 Months, January 2001- December 2004; 190.600 €)
- DFG-Project "*Episodisches Kontextgedächtnis: Prozesse des Erinnerns und des Vergessens*" (EpisKoP; Br 2130/2-1, Az. Br 2130/2-2, 36 Months, May 2002 – April 2005, 86.100 €)
- DFG-Project "*Source memory measurement and recognition*" (SoMMeR; Br 2130/3-1, 24 Months)
- DFG-Project "*Decisions from memory: factors influencing simple strategies and exemplar-based reasoning*" (BR 2130/5-1, 24 Months, Start: July 2009)
- DFG-Project "*Kontinuierliche versus diskrete Modellierung von Rekognitions- und Quellengedächtnis*" (KoDiMo; BR 2130/7-1; 36 Months, Start Sept. 2011)
- DFG-Project "*Coherence-Based Reasoning and Rationality: A Neural Network Modelling Approach to Decision Making*" (together with A. Glöckner, Bonn; BR 2130/8-1; 36 Months, Start : Jan 2012)
- DFG-Project "*Intuitive and Deliberate processes in memory-based decisions*" (BR 2130/9-1; 36 months, 273.400 €, Start: July 2013)

DFG-Project "Coherence-based reasoning: Modelling attention and information search"
(BR 2130/13-1, together with A. Glöckner, Hagen)

DFG-Project "Metamemory viewed through the judgment lens" (BR 2130/14-1, together
with M. Undorf, Mannheim)

Teaching

Lectures and seminars at Bachelor's and Master's level about all topics in in
Experimental Psychology I (Learning, Motivation, Emotion) and II (Perception, Memory,
Thinking and Deciding, Language); Introduction to Psychology; Experimental Design;
Statistics; Seminar on Cognitive Foundations of Clinical Psychology; Advanced Topics in
Cognitive Psychology

Ad-hoc reviewing (Journals)

Acta Psychologica; Advances in Cognitive Psychology; Cognition; Cognitive Science;
Developmental Psychology; Experimental Psychology; Frontiers in Psychology;
International Journal of Forecasting; Journal of Applied Research in Memory &
Cognition; Journal of Behavioral Decision Making; Journal of Cognitive Psychology;
Journal of Experimental Psychology: General; Journal of Experimental Psychology:
Learning, Memory, & Cognition; Journal of Personality and Social Psychology;
Judgment and Decision Making; Learning & Motivation; Management Science;
Memory; Memory & Cognition; Organizational Behavior and Human Decision
Processes; Psychological Review; Psychologische Rundschau; Psychology and Aging;
Psychonomic Bulletin & Review; Quarterly Journal of Experimental Psychology;
Social Cognition; Social Psychological and Personality Science; Synthese; Thinking
and Reasoning; Trends in Cognitive Science; Zeitschrift für Arbeits- und
Organisationspsychologie; Zeitschrift für Experimentelle Psychologie; Zeitschrift für
Pädagogische Psychologie; Zeitschrift für Psychologie / Journal of Psychology

Ad-hoc reviewing (research grants)

European research Council (ERC); Economic and Social Sciences Research Council
(ESRC, UK); DAAD; Deutsche Forschungsgemeinschaft (DFG); Israel Science
Foundation (ISF); National Science Foundation (NSF, USA); Swiss Research
Foundation (SNF); Humboldt Foundation; Volkswagen Foundation