CURRICULUM VITEA

Dr. David Izydorczyk

Experimental Psychology Lab
L13, 17, 68131 Mannheim, Germany
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Academic Positions

01/2023 - today **Postdoctoral Researcher at the University of Mannheim**
Department of Psychology, Faculty of Social Sciences
General Psychology Lab (Arndt Bröder)

10/2018 - 12/2022 **Research and Teaching Associate at the University of Mannheim**
DFG Research Training Group "Statistical Modeling in Psychology" (SMiP)
General Psychology Lab (Arndt Bröder)

Education

10/2018 - 12/2022 **Ph.D. (Dr. rer. soc.) in Psychology**
DFG Research Training Group "Statistical Modeling in Psychology" (SMiP)
Thesis Topic: Improving and extending models of quantitative judgments
Advisors: Arndt Bröder, Benjamin Hilbig, Jeffrey Rouder
Thesis Defense: 13.12.2022
Final grade: magna cum laude

10/2016 - 09/2018 **M.Sc. in Research-Oriented Psychology at the University of Cologne**
Thesis: Simulating the Ecology: Using the BIAS model to simulate and explain contradicting evidence of the out-group homogeneity effect, the intergroup bias, and the density hypothesis
Advisors: Christian Unkelbach, Jan Peters
Final grade: 1.0 (with honors)

10/2016 - 09/2018 **B.Sc. in Psychology at the University of Koblenz-Landau**
Thesis: Structuring the Uncanny Valley: Investigating the Effect of the Personal Need for Structure on the Uncanny Valley Phenomenon by using Mixed-Effects Modelling
Advisors: Markus Appel, Tanja Lischetzke
Final grade: 1.2 (with honors)

Grants

2024 **DFG Funded 3-Year Research Project (IZ 96/1-1)**
Cognitive Models of Quantitative Estimation and Seeding Effects in Real-World Contexts
Amount: 361.589 €

Practical Training and Internships

2017 **Research Assistant at the University of Würzburg**
Institute of Human-Computer-Media

2017-2018 **Research Assistant at the Max Planck Institute in Bonn**
Research Group on Moral Courage

2016	**Research Internship at the University of Koblenz-Landau** Cognitive Psychology Lab (8 Weeks)
2012 - 2017	**Research Assistant at the University of Koblenz-Landau** Institute for Communication Psychology and Media Pedagogy
2016	**Business Internship at GfK in Nürnberg** Marketing Science and Data Science (12 Weeks)
2012 - 2016	**Research Assistant at the University of Koblenz-Landau** Department for Diagnostic and Differential Psychology
2015	**Business Internship at .companion in Berlin** Online Research and Data Analysis (12 Weeks)
2013 -2015	**Research Assistant at the University of Koblenz-Landau** Department for Methods and Evaluation
2014	**Research Internship at the Institute for Neuropsychology and Clinical Psychology** Pain Research (12 Weeks)
2013	**Research Internship at the University of Koblenz-Landau** DFG-Graduiertenkolleg „Unterrichtsprozesse" (16 Weeks)

Publications

Izydorzcyk, D., & Bröder, A. (2023). What is the airspeed velocity of an unladen swallow? Modeling numerical judgments of realistic stimuli. *Psychonomic Bulletin & Review*. Advanced online publication. `https://doi.org/10.1037/dec0000195`

Izydorzcyk, D. (2022). Improving and extending models of quantitative judgments [Dissertation]. `https://madoc.bib.uni-mannheim.de/63908/`

Izydorzcyk, D., & Bröder, A. (2022). Measuring the mixture of rule-based and exemplar-based processes in judgment: A hierarchical Bayesian approach. *Decision, 4*(10), 347-371. `https://doi.org/10.1037/dec0000195`

Ruggeri K., ..., **Izydorzcyk, D.**, ..., & Garcia-Garzon, E. (2022). The globalizability of temporal discounting. *Nature Human Behavior, 6*, 1386-1397. `https://doi.org/10.1038/s41562-022-01392-w`

Hoogeveen, S., ..., **Izydorzcyk, D.**, ..., & Wagenmakers, E.-J. (2022). A many-analysts approach to the relation between religiosity and well-being. *Religion, Brain & Behavior*. Advance online publication. `https://doi.org/10.1080/2153599X.2022.2070255`

Frenken, M., Hemmerich, W., **Izydorzcyk, D.**, Scharf, S., & Imhoff, R. (2021). Cognitive processes behind the shooter bias: Dissecting response bias, motor preparation and information accumulation. *Journal of Experimental Social Psychology, 98*, 104230. `https://doi.org/10.1016/j.jesp.2021.104230`

Izydorzcyk, D., & Bröder, A. (2021). Exemplar-based judgment or direct recall: On a problematic procedure for estimating parameters in exemplar models of quantitative judgment. *Psychonomic Bulletin & Review, 28*, 1495-1513. `https://doi.org/10.3758/s13423-020-01861-1`

Appel, M., **Izydorzcyk, D.**, Weber, S., Mara, M., & Lischetzke, T. (2020). The uncanny of mind in a machine: Humanoid robots as tools, agents, and experiencers. *Computers in Human Behavior, 102*, 274-286. `https://doi.org/10.1016/j.chb.2019.07.031`

Mascarenhas, M. F., Dübbers, F.,Hoszowska, M., Köseoğlu, A., Karakasheva, R. B. Topal, A. & **Izydorzcyk, D.**,Lemoine, J.E.(2018). The Power of Choice: A Study Protocol on How Identity Leadership Fosters Commitment Toward the Organization. *Frontiers in Psychology*. `https://doi.org/10.`

3389/fpsyg.2018.01677

Lischetzke, T., **Izydorczyk, D.**, Hüller, C., & Appel, M. (2017). The topography of the uncanny valley and individuals' need for structure: A nonlinear mixed effects analysis. *Journal of Research in Personality, 68*, 96-113. https://doi.org/10.1016/j.jrp.2017.02.001

Conference Contributions

Izydorzcyk, D.. & Bröder, A. (2023). *Modeling Quantitative Judgments of Complex Stimuli.* Poster presented at the 64th Annual Meeting of the Psychonomic Society. San Fransisco, USA.

Izydorzcyk, D.. & Bröder, A. (2023). *Modeling Quantitative Judgments of Realistic Stimuli.* Talk presented at the 64rd Conference of Experimental Psychologists (TeaP). Trier, Germany.

Izydorzcyk, D.., Jung, J. & Bröder, A. (2022). *What is more democratic, a stone or a feather? Predicting nonsensical judgments using high-dimensional vector representations obtained from a semantic space model.* Talk presented at the joint meeting of the Society for Mathematical Psychology and the International Conference on Cognitive Modeling (Virtual MathPsych/ICCM). Cologne, Germany.

Izydorzcyk, D., Jung, J. & Bröder, A. (2022). *What is more democratic, a stone or a feather? Predicting nonsensical judgments using high-dimensional vector representations obtained from a semantic space model.* Talk presented at the 63rd Conference of Experimental Psychologists (TeaP). Cologne, Germany.

Izydorzcyk, D. & Bröder, A. (2021). *Measuring Rule- and Exemplar-based Processes of numerical Judgments in a hierarchical Bayesian framework.* Talk presented at the 15th Conference of the Section Methods & Evaluation (FGME 2021). Mannheim, Germany.

Izydorzcyk, D. & Bröder, A. (2021). *Judgment or Recall: On the Problematic Procedure for Estimating Parameters of Exemplar Models in Experiments of Quantitative Judgment.* Talk presented at the annual joint meeting of the Society for Mathematical Psychology and the International Conference on Cognitive Modeling (MathPsych/ICCM 2021). Virtual Conference.

Izydorzcyk, D. & Bröder, A. (2021). *Judgment or Recall: On the Problematic Procedure for Estimating Parameters of Exemplar Models in Experiments of Quantitative Judgment.* Talk presented at the 63rd Conference of Experimental Psychologists (TeaP). Würzburg, Germany.

Izydorzcyk, D. & Unkelbach, C. (2019). *Simulating the ecology: Using the BIAS model to simulate and explain contradicting evidence of the out-group homogeneity effect, the intergroup bias, and the density hypothesis.* Poster presented at the 27th Subjective Probability, Utility, and Decision Making Conference (SPUDM27).Amsterdam, Netherlands.

Izydorzcyk, D. & Unkelbach, C. (2019). *Simulating the ecology: Using the BIAS model to simulate and explain contradicting evidence of the out-group homogeneity effect, the intergroup bias, and the density hypothesis.* Poster presented at the 17th Conference of the Social Psychology Section, September 16-17, Cologne, Germany.

Izydorzcyk, D. (2019). *Measuring rule- and exemplar-based processes in numerical judgments.* Poster presented at the 34th IOPS Summer Conference, June 14-16, Utrecht, Netherlands.

Halmburger, A., Baumert, A., Schmidt, C., & **Izydorzcyk, D.** (2018). *Perception of and reactions to every-day violations of (moral) norms.* Talk presented at the 2018 Conference of the German Psychological Society (DGPS), September 17-20, Frankfurt a. M., Germany.

Mascarenhas, M. F., Dübbers, F., Hoszowska, M., Köseoğlu, A., Karakasheva, R., Topal, A. B., **Izydorzcyk, D.**, Lemoine, J. E. (2018). *Leading us towards more commitment.* Talk presented at the 2018 Junior Researcher Programme Conference, August 13-14, Cambridge, United-Kingdom.

Topal, A. B., Karakasheva, R., Mascarenhas, M. F., Dübbers, F., Hoszowska, M., Köseoğlu, A., **Izydorzcyk, D.**, Lemoine, J. E. (2018). *The power of choice: How identity leadership fosters commitment towards the organization.* Poster presented at the 2018 jMeeting, February 2, Madrid, Spain.

Ad-hoc Reviewing

- Computers in Human Behaviour

- Judgment and Decision Making

- Psychological Research

University Service

2020-2021   **Elected Ph.D. students Spokesperson**
                   DFG Research Training Group "Statistical Modeling in Psychology"

Professinal Membership

- German Psychological Society (DGPs), Sections "Methods and Evaluation" and "General Psychology"

Teaching

Workshops   **Introduction to R - Basics & Advanced**
                   Level: Ph.D. Psychology
                   Research Training Group "Statistical Modeling in Psychology" (SMiP)

                   Writing APA-Style Manuscripts in R
                   Level: Ph.D. Psychology
                   Research Training Group "Statistical Modeling in Psychology" (SMiP)

                   Introduction to Shiny
                   Level: Ph.D. Psychology
                   Research Training Group "Statistical Modeling in Psychology" (SMiP)

                   Introduction to lab.js
                   Level: Ph.D. Psychology
                   Research Training Group "Statistical Modeling in Psychology" (SMiP)

                   Advanced R: Benchmarking, Vectorization, Rcpp, & Parallelization
                   Level: Ph.D. Psychology
                   Research Training Group "Statistical Modeling in Psychology" (SMiP)

                   Modern R
                   Level: Ph.D. Psychology
                   Research Training Group "Statistical Modeling in Psychology" (SMiP)

Seminars   **Cognitive Illusions**
                   Level: B.Sc. Psychology
                   University of Mannheim

Creating experiments with lab.js
Level: M.Sc. Psychology
University of Mannheim

Empirical Practical Training
Level: B.Sc. Psychology
University of Mannheim

Tutorials: **Multivariate Statistics**
Level: M.Sc. Psychology
University of Cologne

Data Collection and Analysis
Level: M.Sc. Psychology
University of Cologne

Empirical Practical Training
Level: B.Sc. Psychology
Unviersity of Koblenz-Landau

Programming and Computer Literacy

Statistics   R/RStudio (expert)
SPSS (advanced)
JASP (advanced)
Python (advanced)
C++ (basic)
Julia (basic)

Experimentation   lab.js (expert)
SosciSurvey (expert)
OpenSesame (beginner)
Inquisit (beginner)

Word processing   LaTeX(expert)
Markdown (expert)
Quarto (expert)