

CURRICULUM VITEA

# Dr. David Izydorzcyk

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Experimental Psychology Lab  
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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    **Doctoral (Ph.D.) Candidate**  
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:* 0.7 (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 distinction)
- 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

## 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	<b>Business Internship at GfK in Nürnberg</b> Marketing Science and Data Science (12 Weeks)
2012 - 2016	<b>Research Assistant at the University of Koblenz-Landau</b> Department for Diagnostic and Differential Psychology
2015	<b>Business Internship at .companion in Berlin</b> Online Research and Data Analysis (12 Weeks)
2013 -2015	<b>Research Assistant at the University of Koblenz-Landau</b> Department for Methods and Evaluation
2014	<b>Research Internship at the Institute for Neuropsychology and Clinical Psychology</b> Pain Research (12 Weeks)
2013	<b>Research Internship at the University of Koblenz-Landau</b> DFG-Graduiertenkolleg „Unterrichtsprozesse“ (16 Weeks)

## Publications

- Izidorczyk, D.**, & Bröder, A. (2022). Measuring the mixture of rule-based and exemplar-based processes in judgment: A hierarchical Bayesian approach. *Decision*. Advance online publication. <https://doi.org/10.1037/dec0000195>
- Ruggeri K., . . . , **Izidorczyk, 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., . . . , **Izidorczyk, 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., **Izidorczyk, 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>
- Izidorczyk, 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., **Izidorczyk, 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., Köseoglu, A., Karakasheva, R. B. Topal, A. & **Izidorczyk, 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., **Izidorczyk, 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

- Izidorczyk, 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.

**Izidorczyk, 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.

**Izidorczyk, 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.

**Izidorczyk, 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.

**Izidorczyk, 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.

**Izidorczyk, 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.

**Izidorczyk, 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.

**Izidorczyk, 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., & **Izidorczyk, 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., Köseoglu, A., Karakasheva, R., Topal, A. B., **Izidorczyk, 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., Köseoglu, A., **Izidorczyk, 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

## University Service

2020-2021

**Elected Ph.D. students Spokesperson**

DFG Research Training Group “Statistical Modeling in Psychology”

## Professional Membership

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

## Teaching

Workshops	<b>Introduction to R - Basics &amp; Advanced</b> <i>Level:</i> Ph.D. Psychology Research Training Group “Statistical Modeling in Psychology” (SMiP)
	<b>Writing APA-Style Manuscripts in R</b> <i>Level:</i> Ph.D. Psychology Research Training Group “Statistical Modeling in Psychology” (SMiP)
	<b>Introduction to Shiny</b> <i>Level:</i> Ph.D. Psychology Research Training Group “Statistical Modeling in Psychology” (SMiP)
	<b>Introduction to lab.js</b> <i>Level:</i> Ph.D. Psychology Research Training Group “Statistical Modeling in Psychology” (SMiP)
	<b>Advanced R: Benchmarking, Vectorization, Rcpp, &amp; Parallelization</b> <i>Level:</i> Ph.D. Psychology Research Training Group “Statistical Modeling in Psychology” (SMiP)
	<b>Modern R</b> <i>Level:</i> Ph.D. Psychology Research Training Group “Statistical Modeling in Psychology” (SMiP)
Seminars	<b>Cognitive Illusions</b> <i>Level:</i> B.Sc. Psychology University of Mannheim
	<b>Empirical Practical Training</b> <i>Level:</i> B.Sc. Psychology University of Mannheim
Tutorials:	<b>Multivariate Statistics</b> <i>Level:</i> M.Sc. Psychology University of Cologne
	<b>Data Collection and Analysis</b> <i>Level:</i> M.Sc. Psychology University of Cologne
	<b>Empirical Practical Training</b> <i>Level:</i> B.Sc. Psychology University 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	L <sup>A</sup> T <sub>E</sub> X(expert)
	Markdown (expert)
	Quarto (expert)