

Curriculum Vitae

Sarah Humberg, Dipl.-Math.

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Education

- Since 10/ 2013 PhD student at the Department of Psychology, University of Münster
Section of Psychological Assessment and Personality Psychology
Dissertation: "The adaptiveness of favorable, enhanced, and accurate self-views: Conceptual, statistical, and methodological considerations."
- 10/ 2006 – 08/ 2012 Diploma in Mathematics, University of Münster.
Diploma Thesis: "Hopf rings and the Homology of Eilenberg - Mac Lane - Spaces"
- 09/ 2010 – 01/ 2011 Term abroad at the Université de Nice Sophia Antipolis, Nice, France

Professional Positions

- Since 04/ 2014 Research assistant at the Department of Psychology, University of Münster
Evaluation and Quality Management
- 10/ 2008 – 03/ 2014 Teaching assistant at the Department of Mathematics, University of Münster

Research Interests

Psychological methods:

- Response Surface Analysis (RSA) and its extensions
- Regression techniques for testing discrepancy hypotheses
- Information theoretic approaches for multiple hypotheses evaluation

Personality and individual differences:

- Consequences of (intellectual and personality) self-knowledge and self-enhancement on psychological and social adjustment
- Relationship formation based on between-person similarity

Publications (peer-reviewed)

- In press Nestler, S., **Humberg, S.**, & Schönbrodt, F. D. (in press). Response surface analysis with multilevel data: Illustration for the case of congruence hypotheses. *Psychological Methods*.
- In press Mota, S., Leckelt, M., Geukes, K., Nestler, S., **Humberg, S.**, Schröder-Abé, M., Schmukle, S. C., & Back, M. D. (in press). A Comprehensive Examination of Narcissists' Self-Perceived and Actual Socioemotional Cognition Ability. *Collabra: Psychology*.
- 2018 **Humberg, S.**, Dufner, M., Schönbrodt, F. D., Geukes, K., Hutteman, R., Kүfner, A. C. P., van Zalk, M. H. W., Denissen, J. J. A., Nestler, S., & Back, M. D. (2018). Is accurate, positive, or inflated self-perception most advantageous for psychological adjustment? A competitive test of key hypotheses. *Journal of Personality and Social Psychology*. Advance online publication. doi:10.1037/pspp0000204
Preprint available at osf.io/9w3bh
- 2018 **Humberg, S.**, Dufner, M., Schönbrodt, F. D., Geukes, K., Hutteman, R., van Zalk, M. H. W., Denissen, J. J. A., Nestler, S., & Back, M. D. (2018). Enhanced versus simply positive: A new condition-based regression analysis to disentangle effects of self-enhancement from effects of positivity of self-view. *Journal of Personality and Social Psychology*, 114(2), 303-322. doi:10.1037/pspp0000134
Preprint available at osf.io/smmh7
- 2018 **Humberg, S.**, Dufner, M., Schönbrodt, F. D., Geukes, K., Hutteman, R., van Zalk, M. H. W., Denissen, J. J. A., Nestler, S., & Back, M. D. (2018). Why Condition-Based Regression Analysis (CRA) is Indeed a Valid Test of Self-Enhancement Effects: A Response to Krueger et al. (2017). *Collabra: Psychology*, 4(1), 26. doi:10.1525/collabra.137
Open access article available at collabra.org/article/10.1525/collabra.137
- 2018 **Humberg, S.**, Nestler, S., & Back, M. D. (2018). Response Surface Analysis in personality and social psychology: Checklist and clarifications for the case of congruence hypotheses. *Social Psychological and Personality Science*. Advance online publication. doi:10.1177/1948550618757600
Preprint available at osf.io/mhf2y
- 2018 Schönbrodt, F. D., **Humberg, S.**, & Nestler, S. (2018). Testing similarity effects with dyadic response surface analysis. *European Journal of Personality*. doi:10.1002/per.2169
Preprint available at psyarxiv.com/8mpua

Book Chapters

- 2017 **Humberg, S.**, Förster, N., Kaiser, J., Schönbrodt, F.D. (2017). Konsequenzen akkurater Lehrerurteile: Response Surface Analyse als statistisches Verfahren zur Untersuchung von Übereinstimmungshypothesen. In A. Südkamp, A.-K. Praetorius (Hrsg.). *Diagnostische Kompetenz von Lehrkräften: Theoretische und methodische Weiterentwicklungen*. Münster: Waxmann.

Published Software

2018 Schönbrodt, F. D. & **Humberg, S.** (2018). RSA: An R package for response surface analysis (version 0.9.12). Retrieved from <https://cran.r-project.org/package=RSA>

Unpublished Preprints

2018 Wurst, S. N., **Humberg, S.**, & Back, M. (2018). Rose-colored glasses in initial romantic encounters? Examining positive partner illusions and their interpersonal consequences in the very early stages of romantic acquaintance. Retrieved from <https://osf.io/48sh2>

2018 Wurst, S. N., **Humberg, S.**, & Back, M. (2018). The impact of mate value in first and subsequent real-life romantic encounters. Retrieved from <https://osf.io/adej3>

Professional Training

09/2018 Workshop “*Big Data*” of the German Psychological Association (DGPs), Frankfurt am Main, Germany

04/ 2018 Workshop “*Handling missing data*” of the University of Leipzig, Germany

09/ 2017 Workshop “*Introduction to Bayesian Modeling using Stan*” of the German Psychological Association (DGPs), Tübingen, Germany

09/ 2017 Workshop “*Bayesian multilevel models in R*” of the German Psychological Association (DGPs), Munich, Germany

04/ 2016 Workshop “*Open Science: Chances, possibilities, and standards*” of the German Psychological Association (DGPs), Frankfurt, Germany

03/ 2016 Workshop “*Dos and Don'ts of data analysis*” of the German Psychological Association (DGPs), Munich, Germany

10/ 2015 Workshop “*Advanced Longitudinal Analyses using Structural Equation Modeling*” of the University of Münster, Germany

09/ 2015 Workshop “*Statistical and dynamical models for the analysis of longitudinal data in psychological science*” of the German Psychological Association (DGPs), Jena, Germany

06/ 2015 Workshop “*Structural Equation Modeling using MPlus: Theory and Application*” of the University of Münster, Germany

03/ 2015 “*Doctoral workshop of the Section” Personality Psychology and Psychological Assessment*” of the German Psychological Association (DGPs), Landau, Germany

08/ 2014 Summer School “*Using R for Personality Research*” of the European Association of Personality Psychology (EAPP), Society of Multivariate Experimental Psychology (SMEP), and International Society for the Study of Individual Differences (ISSID), Bertinoro, Italy

Teaching

Seminars:

- Introduction to scientific work methods (evaluated as outstanding)
- Exercise courses for various advanced lectures in mathematics

Workshops:

- Response Surface Analysis (RSA) for the investigation of fit hypotheses

Chaired Symposia

- 09/2018 Humberg, S., "*Response surface analysis in psychological science: A powerful tool (not only) for testing congruence hypotheses*", 51th Congress of the German Society for Psychology (DGPs), Frankfurt am Main, Germany
- 09/ 2017 Humberg, S., & Dufner, M., "*Accuracy of self- and peer-perceptions: Processes and Consequences*", 14th meeting of the section Differential Psychology and Psychological Assessment of the German Psychological Society, Munich, Germany
- 09/ 2016 Humberg, S., & Dufner, M., "*Accuracy of self- and peer-perceptions: Moderators and Consequences*", 50th Congress of the German Society for Psychology (DGPs), Leipzig, Germany
- 07/ 2016 Humberg, S., & Wurst, S. N., "*Self-knowledge and social outcomes: Intra- and interpersonal consequences of accurate self-perceptions*", 18th European Conference on Personality (ECP), Timisoara, Romania
- 05/ 2016 Geukes, K. & Humberg, S., "*Leaving the crisis of confidence together: A guidepost for you and me*", 48th meeting of the German Society for Sport Psychology (ASP), Münster, Germany

Awards and Funding

Awards: Best Poster Award on the 17th European Conference on Personality in Lausanne, Switzerland (by the European Association of Personality Psychology, EAPP)

Funding: Travel grants to the 18th European Conference on Personality (by the German Academic Exchange Service, DAAD), to the 1st International Convention of Psychological Science (by the University of Münster), to the 14th meeting of the section Differential Psychology and Psychological Assessment of the German Psychological Society (by the University of Münster), and to the 19th European Conference on Personality (by the European Association of Personality Psychology).

Selected Conference Contributions

- 09/2018 (Talk) Humberg, S., Nestler, S., Back, M. D., „*Response surface analysis in psychological science: A checklist and important clarifications for the case of congruence hypotheses*“, 51th Congress of the German Society for Psychology (DGPs), Frankfurt am Main, Germany
- 07/ 2018 (Talk) Humberg, S., Leising, D., Zimmermann, J., Nestler, S., Schmukle, S. C., Egloff, B., & Back, M. D., "*Is self-other agreement about personality advantageous for psychological adjustment? A response surface analysis*", 19th European Conference on Personality (ECP), Zadar, Croatia

- 09/ 2017 (Talk) Humbert, S., Dufner, M., Schönbrodt, F., Geukes, K., Hutteman, R., Küfner, A. C. P., van Zalk, M. H. W., Denissen, J. J. A., Nestler, S., & Back, M. D., "*The adaptiveness of intellectual self-enhancement and self-knowledge: An empirical comparison of key hypotheses*", 14th meeting of the section Differential Psychology and Psychological Assessment of the German Psychological Society, Munich, Germany
- 09/ 2017 (Poster) Humbert, S., Schönbrodt, F. D., Nestler, S., & Back, M. D., "*Response Surface Analysis of degree 3: Polynomial models for testing complex congruence hypotheses*", 13th meeting of the section Methods and Evaluation of the German Psychological Society, Tübingen, Germany
- 07/ 2016 (Talk) Humbert, S., Dufner, M., Schönbrodt, F., Geukes, K., Hutteman, R., van Zalk, M. H. W., Denissen, J. J. A., Nestler, S., & Back, M. D., "*A Response Surface Analysis approach to the consequences of intellectual self-knowledge and self-enhancement*", 18th European Conference on Personality (ECP), Timisoara, Romania
- 05/ 2016 (Talk) Geukes, K. & Humbert, S., "*Scientific practical workshop: A guidepost to Open Science*", 48th meeting of the German Society for Sport Psychology (ASP), Münster, Germany
- 09/ 2015 (Talk) Humbert, S., Dufner, M., Schönbrodt, F., Geukes, K., Hutteman, R., Denissen, J., Nestler, S., & Back, M. D., "*Believe in your skills, no matter how dumb you are? A Response Surface Analysis of the consequences of intellectual self-enhancement*", 13th meeting of the section Differential Psychology and Psychological Assessment of the German Psychological Society (DGPs), Mainz, Germany
- 03/ 2015 (Poster) Humbert, S., Schönbrodt, F., Dufner, M., & Back, M. D., "*Believe in Your Skills, No Matter How Dumb You Are?*" 1st International Convention of Psychological Science (ICPS), Amsterdam, the Netherlands
- 09/ 2014 (Talk) Humbert, S., Nestler, S., Schmukle, S. C., Egloff, B., & Back, M. D., "*A response surface analysis of the effects of personality self-knowledge on popularity and life satisfaction*", 49th Congress of the German Psychological Society (DGPs), Bochum, Germany
- 07/ 2014 (Poster) Humbert, S., Nestler, S., Schmukle, S. C., Egloff, B., & Back, M. D., "*A response surface analysis of the effects of personality self-knowledge on popularity and life satisfaction*", 17th European Conference on Personality (ECP), Lausanne, Switzerland

Ad Hoc Journal Reviewer

- Advances in Methods and Practices in Psychological Science
- European Journal of Personality
- Journal of Individual Differences
- Journal of Personality Assessment
- Journal of Personality and Social Psychology
- Social Psychological and Personality Science

Professional Memberships

- German Psychological Association (DGPs), Sections *“Personality Psychology and Psychological Assessment”* and *“Quantitative Methods and Evaluation”*
- European Association of Personality Psychology (EAPP)