

Curriculum Vitae

Steven Marcel Bißantz

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DOCTORAL RESEARCH

Measurement & Replicability in The Sciences – A metascientific investigation in the role of measurement when replicating empirical findings

My research focuses on the role of measurement in replicability. In particular, I concentrate on how (a) modifying validated item-based measurements or (b) the practice of tossing various items together in a “scale” (i.e., omitting the validation process) affects the replicative success of a study. Despite the replicative success, I illuminate the influence of these ad-hoc and post-hoc scales on effect size estimates and their induced heterogeneity.

WORK EXPERIENCE

University of Koblenz-Landau
PhD Student, Psychology

OCT 2021 – PRESENT
(PROF. DR. EUNIKE WETZEL)

Mainly, I am involved in meta-science; but I also learn about quantitative methods and teach test theory, diagnostics, and R.

Center of Educational Research
Research Assistant, Psychology

MAY 2019 – JUL 2021
(ZEPE)

I researched mode effects in performance tests (VERA) using structural equation models and multilevel modeling.

University of Mannheim
Research Assistant, Sociology

SEP 2016 – APR 2018
(PROF. DR. IRENA KOGAN)

Data analysis, literature research, and the administration of the internet presence in English and German were among my tasks.

University of Mannheim
Research Assistant, Sociology

SEP 2016 – FEB 2017
(PROF. DR. FRANK KALTER)

As a tutor, I reviewed the course material content, clarified unanswered questions, and deepened the understanding of my fellow students in complementary teaching sessions.

Mannheim Center for European Social Research
Research Assistant, Sociology

APR 2015 – JUL 2015
(MZES)

After theoretical and practical training, I conducted computer-assisted telephone interviews (CATI).

MEMBERSHIPS

University of Koblenz-Landau
Member of the Open Science Commission

JAN 2022 – PRESENT

At the OSC, we promote the implementation of open science practices.

EDUCATION

2019-2021 **M.A., Social Sciences** (1.0)
Department of Social Sciences
University of Koblenz-Landau

2018-2019 **Survey Statistics**
Department of Economics
University of Bamberg

2014-2018 **B.A., Sociology** (1.6)
Department of Sociology
University of Mannheim

PUBLICATIONS

Bißantz, S. (2021). *elistr*: Exploratory Likert Scaling in R. R package version 0.2.0. <https://CRAN.R-project.org/package=elistr>

Wagner, I., Loesche, P. & **Bißantz, S.** (2021). Low-stakes performance testing in Germany by the VERA assessment: analysis of the mode effects between computer-based testing and paper-pencil testing. *European Journal of Psychology of Education*. 10.1007/s10212021-00532-6

TEACHING EXPERIENCE

2021 (WS) Test theory & assessment (EXERCISE)
2022 (IN PREP.) Data analysis in R (EXERCISE)
2022 (IN PREP.) Test theory & assessment (SEMINAR)

COMPUTER SKILLS

OPERATING SYSTEMS Linux, macOS & Windows
LINUX DISTRIBUTIONS Fedora, openSUSE & Arch
STATISTICAL SOFTWARE R, Stan, Stata & SPSS
MISCELLANEOUS \LaTeX , Git, Vim & Emacs

Proficiency: Server administrator at our lab “Personality, Psychological Assessment, and Psychological Methods” at the University of Koblenz-Landau.

RESEARCH INTERESTS

Metascience What is the effect of scale modifications on inferences, replicability, and effect-size heterogeneity?

Bayesian Data Analysis How to maximize information entropy using Bayesian updating?

Machine Learning What are efficient ways to minimize cross-entropy in prediction tasks?