

# Curriculum Vitae

Steven Marcel Bißantz

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## DOCTORAL RESEARCH

### Measurement & Replicability in the Sciences – Meta-Scientific Investigations in The Role of Measurement in The Replicability of Empirical Findings

My research concentrates on the role of measurement in replicability. In particular, the focus is 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**

CURRENT, FROM OCT 2021  
(PROF. DR. EUNIKE WETZEL)

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

Centre of Educational Research  
**Research Assistant, Psychology**

MAY 2019 – JUL 2021  
(ZEPF)

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 Centre 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**

CURRENT, FROM FEB 2021

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

## EDUCATION

2019-2021 **M. A., Social Science (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 & Diagnostics	(EXERCISE)
2022 (SS)	Data analysis in R	(EXERCISE)
2022 (SS)	Test theory & Diagnostics	(SEMINAR)

## COMPUTER SKILLS

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

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

## RESEARCH INTERESTS

**Meta Science** 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?

**Maschine Learning** How to minimize cross-entropy in prediction tasks?