

Curriculum Vitae

Tamara Schamberger

(born July 1st 1993, German citizen)

University of Würzburg, Faculty of Business Management & Economics
Sanderring 2, 97070 Würzburg, Germany
tamara.schamberger@uni-wuerzburg.de, Phone: +49 931 31 80867;
University of Twente, Faculty of Engineering Technology
Department of Design, Production and Management
t.s.schamberger@utwente.nl

EMPLOYMENT

- Research/Teaching Assistant at the Chair of Econometrics (Prof. Dr. Martin Kukuk), University of Würzburg, Faculty of Business Management & Economics, since 2017
- Lecturer in Introductory Statistics, Cooperative State University Bad Mergentheim, 2020, 2021
- Lecturing Tutor and Student Research Assistant at the Chair of Econometrics (Prof. Dr. Martin Kukuk), University of Würzburg, 2015 - 2017
- Lecturing Tutor at the Chair of Contract Theory and Information Economics (Prof. Dr. Daniel Müller), University of Würzburg, summer term 2014, 2015 and 2016
- Intern at the ZF Friedrichshafen AG in Schweinfurt, 07/2014 - 10/2014

EDUCATION

- PhD in Econometrics, University of Würzburg (Germany)/ University of Twente (The Netherlands), 2022, Title: Methodological Advances in Composite-based Structural Equation Modeling, awarded with Summa cum laude by the University of Würzburg and with distinction, i.e., cum laude, by the University of Twente
- M.Sc. in Econometrics (Grade 1.2), University of Würzburg, 2015 - 2017, Major subjects: Econometrics, Research Methods, Stochastics and Statistics, Financial and Insurance Mathematics
- B.Sc. in Econometrics (Grade 1.9), University of Würzburg, 2012 - 2015

RESEARCH VISITS

- University of Twente, The Netherlands, Prof. Dr. ir. Jörg Henseler, 03/2019

- University of Twente, The Netherlands, Prof. Dr. ir. Jörg Henseler, 09/2018 - 10/2018

RESEARCH INTERESTS Composite based structural equation modeling, Emergent variables, Maximum likelihood estimation, Partial least squares path modeling

PUBLICATIONS Schamberger, T., Schubert, F., Henseler, J., Dijkstra, T. K. (2020): Robust partial least squares path modeling, *Behaviormetrika* 47, 307–334, <https://doi.org/10.1007/s41237-019-00088-2>
 Schamberger, T. (2022): *Methodological Advances in Composite-based Structural Equation Modeling*, University of Würzburg & University of Twente, <https://doi.org/10.3990/1.9789036553759>
 Schamberger, T., Schubert, F., Henseler, J. (accepted): Confirmatory Composite Analysis in Human Development Research, *International Journal of Behavioral Development*

WORKING PAPERS Schamberger, T., Schubert, F., Henseler J. (under Review): A maximum likelihood estimator for composite models
 Schamberger, T., Cantaluppi, G., Schubert F. (under Review): Revisiting and Extending PLS for Ordinal Measurement and Prediction
 Schamberger T. (2022): Conducting Monte Carlo simulations with PLS-PM and other variance-based estimators for structural equation models: A tutorial using the R package cSEM

CONFERENCE PRESENTATIONS Schamberger, Tamara; Schubert Florian; Henseler Jörg. A Maximum Likelihood Estimator for Composite models. Meeting of the Working Group on Structural Equation Modeling, Vienna (online) 18.03. - 19.03.2021

CONFERENCE & SEMINAR ATTENDANCES

- Seminar: “Machine Learning”, Bavarian Graduate Program in Economics, online, given by Michal Adrle, 26.07. - 30.07.2021.
- Meeting of the Working Group Structural Equation Modeling, Vienna, Austria (online), 18.03. - 19.03.2021.
- Seminar: “Advanced Econometrics”, Bavarian Graduate Program in Economics, Muggendorf, Germany, given by Prof. Jeffrey Wooldridge, 05.08. - 10.08.2018.
- Meeting of the Working Group Structural Equation Modeling, Amsterdam, The Netherlands, 15.03. - 16.03.2018.
- 13. Tagung der Fachgruppe Methoden & Evaluation der Deutschen Gesellschaft für Psychologie, Tübingen, Germany, 17.09. - 20.09.2017.

- Seminar: “PLS path modeling using ADANCO”, University of Würzburg, Würzburg, Germany, given by Prof. Jörg Henseler, 12.09. - 13.09.2017.
- Meeting of the Working Group Structural Equation Modeling, Ghent, Belgium, 16.03. - 17.03.2017.

**TEACHING
EXPERIENCE**

Certified lecturer (by ProfiLehre Würzburg: basic level)

- Applied Econometrics (Lecture): Distributions, Hypothesis testing, Regression analysis
- Introductory Statistics (Lecture): Descriptive statistics, Distribution function, Probability theory
- Analysis of Financial Market Data (Lecture and Exercise): Random Walk hypothesis, Event studies, Time series analysis
- Econometrics I (Exercise): Multiple linear regression analysis, Joint tests
- Econometrics II (Exercise): Multicollinearity, Heteroscedasticity, Autocorrelation
- Microeconometrics (Exercise): Maximum Likelihood Estimation, Probit model, Logit model, Tobit model
- Microeconomics I (Exercise)

**SOFTWARE
DEVELOPMENT**

Rademaker, Manuel and Schamberger, Tamara (2020). cSEM.DGP: Generate Data for Structural Equation Models. R package version 0.0.0.9000. <https://github.com/M-E-Rademakers/cSEM.DGP>

**REFeree
ACTIVITY**

Social Indicators Research, Computational Statistics

SOFTWARE

Advanced: R, MS Excel, Latex
Basic: Git, MS Word, Mathematica, Gretl, EViews, Java

LANGUAGES

German (mother tongue), English (fluently spoken and written), French (basic knowledge), Spanish (basic knowledge), Dutch (basic knowledge)

REFERENCES

Professor Dr. Martin Kukuk
Chair of Econometrics
Faculty of Business Administration & Economics
University of Würzburg
martin.kukuk@uni-wuerzburg.de

Professor Dr. ir. Jörg Henseler
Chair of Product-Market Relations

Department of Design, Production and Management
Faculty of Engineering Technology
University of Twente
j.henseler@utwente.nl

Würzburg, July 18, 2022