

Curriculum Vitae

Diploma statistician Julia Mang



Personal Details

Name **Julia Mang**
Email **julia.mang@tum.de**
Date of Birth **11.06.1982**

Education

Since Jan. 2011 **Research Associate / Data Manager
at the TUM School of Social Sciences and Technology / ZIB Centre for
International Student Assessment e.V.**
Data management, sampling, questionnaire conception and controlling, analysis and
reporting in the Programme for International Student Assessment (PISA 2012; PISA
Plus; PISA 2015; PISA 2018; PISA 2022; PISA 2025)
<https://www.zib.education/en/team/julia-mang/> |
<https://www.pisa.tum.de/en/pisa/home/> | <https://www.zib.education/en/>

May 2010 - Oct. 2010 **Project Manager at ServiceBarometer AG, Munich**
Project management in customer satisfaction research
(Project conception and management, data analysis, consulting)

Academic Training

Since April 2021 **Ludwig-Maximilians-Universität**
External PhD student at the Institute for Statistics at the Ludwig-Maximilians-
Universität München with Prof. Dr. Helmut Küchenhoff
Thesis: Evaluating the PISA sampling design by stratification schemes and weighting
procedures in hierarchical modelling

April 2006 - Nov. 2009 **Ludwig-Maximilians-Universität**
Study: Diploma Statistics
Field of application: Psychology

Oct. 2005 - Febr. 2006 **Technical University of Munich**
Study: Engineering Physics

Oct. 2003 - Sept. 2005 **Siemens Technical Academy, Munich**
Training as a state-certified industrial technologist specializing in communications
engineering

International Experience

Oct. 2002 - Dec. 2002 Language study stay in the USA

Supervision and Mentoring of Degree Theses

- Bergmann, M., Collenberg, A., Toleikyte, I., Schröder, T. & Sahir, I. (2023). *Hierarchical Linear Models for Multilevel Analysis of German Students' PISA 2018 Reading Literacy Achievement based on their Global Competence assessment*. Master thesis. Mannheim Business School.
- Bergmann, M., & Ucar, P. (2022). *Global Competence in PISA 2018*. Statistical training within the framework of the Mannheim Master of Applied Data Science & Measurement. Mannheim Business School.
- Baus, B. & Sehic, A. (2017). *Zusammenhänge in Bezug auf die Berufserwartungen in der PISA-Studie [Correlates in relation to occupational expectations in the PISA study.]*. Statistical consulting within the framework of the master statistics. Institut für Statistik, Ludwig-Maximilians-Universität München.
- Petkova, M. (2015). *Using sampling weights in multilevel analysis of PISA data*. Master thesis. Institut für Statistik, Ludwig-Maximilians-Universität München.
- Winklmaier, L. (2015). *PISA Studie 2012: Vergleich dreier Analysetools mit Schwerpunkt der linearen und logistischen Regression sowie deren Varianzaufklärung [Comparison of three analysis tools with a focus on linear and logistic regression and their variance explanation.]*. Bachelor thesis. Institut für Statistik, Ludwig-Maximilians-Universität München.
- Habereeder, B., Klein-Hessling, T., Baus, B. & Milewski, D. (2015). *PISA Studie 2012: Gibt es einen Zusammenhang zwischen der akademischen und beruflichen Erwartung der Eltern an ihre Kinder in Mathematik sowie der Bedeutung der Mathematik für den Arbeitsmarkt und die berufliche Laufbahn des Kindes aus Sicht der Eltern und den tatsächlichen Leistungen der Schülerinnen und Schülern in Mathematik? [PISA Study 2012: Is there a relationship between parents' academic and career expectations for their children in mathematics and the importance of mathematics for the child's labor market and career as perceived by parents and students' actual performance in mathematics?]* Statistical training within the framework of the bachelor statistics. Institut für Statistik, Ludwig-Maximilians-Universität München.
- Baus, B. (2014). *The Use of Plausible Values in the PISA-Study: Theoretical and Practical Aspects*. Bachelor thesis. Institut für Statistik, Ludwig-Maximilians-Universität München.
- Gryaznova, A., Steyer, R., Bin Park, Y. & Semenenko, N. (2014). *PISA Studie 2003: Gibt es einen Zusammenhang zwischen dem Schulklima und den Mathematik-Leistungen der Schülerinnen und Schüler in Deutschland? [PISA Study 2003: Is there a Relationship between School Climate and Students' Mathematics Achievement in Germany?]* Statistical training within the framework of the bachelor statistics. Institut für Statistik, Ludwig-Maximilians-Universität München.

Reviewer Activities

Large-scale Assessments in Education; Methods, data, analyses (mda)

Participation in Workshops

<i>Sept. 2019</i>	Sampling in International Large-scale Assessments in Education IERI Academy, Hamburg
<i>Sept. 2017</i>	Family and career balance with external PhD TU Munich internal coaching, TUM.Diversity
<i>Juli 2014</i>	Emotional Competence Specialist seminar at WIMES: Internal training and further education of the TU Munich
<i>August 2013</i>	Family and career balance TU Munich internal coaching, TUM.Diversity
<i>Sept. 2011</i>	Multilevel analysis with HLM; Estimation of IRT-modelling with GLMMs in R Autumn Academy 2011 at the Humboldt-Universität of Berlin Institute for Educational Quality Improvement; Research Data Center
<i>Febr. 2011</i>	Strategy development for one's own professional biography TU Munich internal coaching, TUM.Diversity
<i>Okt. 2008 - Dez. 2008</i>	Business planning Basics of setting up a business; entrepreneurial thinking and acting LMU Entrepreneurship Center
<i>Juli 2002</i>	MindStore Technique Mental and motivational training; self-management MindStore Germany

Voluntary Work

<i>Since Sept. 2021</i>	Head of the Parents' Council of the Elementary School at the Bergmannstraße, Munich
<i>Sept. 2019 – August 2022</i>	Parent Class Representative, Member of the Parents' Council of the Elementary School at the Bergmannstraße, Munich
<i>Juni 2017 – Juni 2019</i>	Executive Honorary Financial Chairman of the Parent-Child Initiative „Die blaue Giraffe e.V.“. Financial management of the day care center
<i>Juni 2016 – Juni 2017</i>	Executive Honorary Chairman of the Parent-Child Initiative „Die blaue Giraffe e.V.“ Organizational and disciplinary management of the day care center

Personal Skills

<i>Computer-Skills</i>	R, SPSS, MPlus, SAS, ConQuest, KeyQuest, Maple, C, Java, SQL, MS Office, LaTeX, MS Projekt, Typo3, Data Management Expert (DME), IEA IDB Analyzer
<i>Languages</i>	English (fluent), French, (Latin proficiency)

Interests Hiking, sports, music, travel, food

Characteristics Resourceful, analytical, decisive, solution-oriented, team player, highly responsible, independent, optimistic, open-minded

Munich, 09/02/23 signed Julia Mang