

Dr.ⁱⁿ Jennifer **Diedrich-Rust**

SCIENTIFIC PROJECT MANAGER · SUPERVISOR, COACH & ORGANIZATION DEVELOPER

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Research skills

Probabilistic test theory	Rasch model, 2PL model, Partial Credit Model, Graded Response Model, mIRT, latent class model
Multivariate statistics	Structural equation modeling, Meta-analysis, (Bayes) Multilevel analysis, generalizability theory
Miscellaneous methods	Classical test theory, univariate statistics, large-scale assessment

Publications

SCIENTIFIC PAPERS

Assessment of Openness to Creative Personality

JAUKE, E., EBERHARDT, L., KOSCHMIEDER, C., DIEDRICH, J., PRETSCH, J., BENEDEK, M. & NEUBAUER, A. (2019). A NEW MEASURE FOR THE ASSESSMENT OF APPRECIATION FOR CREATIVE PERSONALITY. *Creativity Research Journal*, 31 (2), 149-163. 2019

The Prediction of Professional Success in Apprenticeship

DIEDRICH, J., NEUBAUER, A. C. & ORTNER, A. (2018). THE PREDICTION OF PROFESSIONAL SUCCESS IN APPRENTICESHIP: THE ROLE OF COGNITIVE AND NON-COGNITIVE ABILITIES, OF INTERESTS AND PERSONALITY. *International Journal for Research in Vocational Education and Training*, 5 (2), 82-110. 2018

German Adaptation of the Abbreviated Math Anxiety Scale (AMAS)

SCHILLINGER, F., VOGEL, S., DIEDRICH, J. & GRABNER, R. (2017). MATH ANXIETY IS INVERSELY RELATED TO PERFORMANCE IN MATHEMATICS BEYOND INDIVIDUAL DIFFERENCES IN INTELLIGENCE AND ARITHMETIC ABILITIES: INSIGHTS FROM THE GERMAN ADAPTATION OF THE ABBREVIATED MATH ANXIETY SCALE (AMAS). *Learning and Individual Differences*, 61, 109-119. 2017

Assessment of Real-life Creativity

DIEDRICH, J., JAUKE, E., SILVIA, P. J., GREDELIN, J. M., NEUBAUER, A. C. & BENEDEK, M. (2017). ASSESSMENT OF REAL-LIFE CREATIVITY: THE INVENTORY OF CREATIVE ACTIVITIES AND ACHIEVEMENTS (ICAA). *Psychology of Aesthetics, Creativity and the Arts*, 12 (3), 304-316. 2017

Are Creative Ideas Novel and Useful?

DIEDRICH, J., BENEDEK, M., JAUKE, E. & NEUBAUER, A. C. (2015) ARE CREATIVE IDEAS NOVEL AND USEFUL? *Psychology of Aesthetics, Creativity and the Arts*, 9 (1), 35-40. 2015

CONTRIBUTIONS TO EDITED BOOKS

Reading-related Student Characteristics

DIEDRICH, J., SCHIEPE-TISKA, A., ZIERNWALD, L., TUPAC-YUPANQUI, A., WEIS, M., MCELVANY, N., REISS, K. (2019). READING-RELATED STUDENT CHARACTERISTICS (LESEBEZOGENE MERKMALE VON SCHÜLERINNEN UND SCHÜLERN). IN K. REISS, M. WEIS, & A. SCHIEPE-TISKA (HRSG.) *PISA 2018. Results of the current survey with a focus on reading (PISA 2018. Ergebnisse der aktuellen Erhebungsrunde mit dem Schwerpunkt Lesen)*, S 51-57. 2019
MÜNCHEN: CORNELSEN VERLAG.

Reading-related student Characteristics in PISA 2018

DIEDRICH, J., SCHIEPE-TISKA, A., ZIERNWALD, L., TUPAC-YUPANQUI, A., WEIS, M., MCELVANY, N., REISS, K. (2019). READING-RELATED CHARACTERISTICS OF STUDENTS IN PISA 2018 - MOTIVATION, READING BEHAVIOUR, SELF-CONCEPT AND METACOGNITIVE STRATEGIES (LESEBEZOGENE SCHÜLERMERKMALE IN PISA 2018 - MOTIVATION, LESEVERHALTEN, SELBSTKONZEPT UND LESESTRATEGIEWISSEN). IN K. REISS, M. WEIS, E. KLIEME & O. KÖLLER (HRSG.) *PISA 2018. International comparison of literacy (PISA 2018. Grundbildung im internationalen Vergleich)*, S 81-109. MÜNSTER: WAXMANN.

2019

Mathematical competency in PISA 2018

REINHOLD, F., REISS, K., DIEDRICH, J., HOFER, S., HEINZE, A. (2019). MATHEMATICAL COMPETENCY IN PISA 2018 - CURRENT STATE AND DEVELOPMENT (MATHEMATISCHE KOMPETENZ IN PISA 2018 – AKTUELLER STAND UND ENTWICKLUNG). IN K. REISS, M. WEIS, E. KLIEME & O. KÖLLER (HRSG.) *PISA 2018. International comparison of literacy (PISA 2018. Grundbildung im internationalen Vergleich)*, S 81-109. MÜNSTER: WAXMANN.

2019

MONOGRAPHS

Global Competence in PISA 2018

WEIS, M., REISS, K., MANG, J., SCHIEPE-TISKA, A., DIEDRICH, J., ROCZEN, N., JUDE, N. (2020). GLOBAL COMPETENCE IN PISA 2018 - 15-YEAR-OLDS IN GERMANY ATTITUDES TOWARDS GLOBAL AND INTERCULTURAL TOPICS (GLOBAL COMPETENCE IN PISA 2018 - EINSTELLUNGEN VON FÜNFZEHNJÄHRIGEN IN DEUTSCHLAND ZU GLOBALEN UND INTERKULTURELLEN THEMEN). IN HOLZBERGER, D., REISS, K. (HRSG.) *Knowledge makes schools (Wissen macht Schule)*, BAND 2. MÜNSTER: WAXMANN.

2020

Employee Motivation in Times of Crisis

DIEDRICH, J. (2019). PRESERVATION OF EMPLOYEE MOTIVATION IN TIMES OF CRISIS. *Unpublished Masterthesis*

2019

Assessment of Creativity

DIEDRICH, J. (2017). ASSESSMENT OF CREATIVITY. *Unpublished doctoral thesis*

2017

Construction of an Aptitude Screening for Preschool Children

DIEDRICH, J. (2012). KONSTRUKTION EINES BEGABUNGSSCREENINGS FÜR KINDER DES LETZTEN KINDERGARTENJAHR (CONSTRUCTION OF A APTITUDE SCREENING FOR PRESCHOOL CHILDREN). *Unpublished diploma thesis*

2012

Conferences

Workgroup empirical educational research in mathematical didactics (Arbeitskreises Empirische Bildungsforschung in der Mathematikdidaktik)

Munich, Germany

TALK

October 2021

- Talk: Between PISA 2000 and 2018. Mathematical competency and its development (Zwischen PISA 2000 und 2018. Mathematische Kompetenz und ihre Entwicklung)

18. Conference of the workgroup pedagogical psychology in the German Psychological Society (18. Tagung der Fachgruppe Pädagogische Psychologie der Deutschen Gesellschaft für Psychologie)

Virtual

TALK

September 2021

- Talk: Well prepared for Corona? Student profiles in PISA 2018 (Gut vorbereitet auf Corona? Profile von Schüler*innen in PISA 2018)

8th Convention of the Society for Empirical Education Research (Gesellschaft für empirische Bildungsforschung (GEBF))

Potsdam, Germany

TALK - CANCELED CONFERENCE

March 2020

- Talk: Reading related student characteristics in PISA 2018: motivation, behavior and metacognition (Lesebezogene Schülermerkmale in PISA 2018: Motivation, Verhalten und Strategiewissen)

5th Nationwide conference: PISA 2018 - Results of the latest survey focussing on reading competence (Ergebnisse der aktuellen Erhebungsrunde mit dem Schwerpunkt Lesen)

Berlin, Germany

VORTRAG

Dec 2019

- Talk: Reading motivation and reading related self-concept and metacognition

Workshop of the professional group of differential psychology, personality psychology, and psychological diagnostic (DPPD)

Munich, Germany

TALK

Sep 2017

- Talk: Social-emotional competence as a predictor of satisfaction and success in apprenticeship and school

European Council of High Ability Studies (ECHA)

Vienna, Austria

TALK AND POSTER

Mar 2016

- Talk: Rasch-homogeneity as a possibility to support minority groups
- Poster: Broad talent identification fosters the peak

American Psychological Association (APA)

Toronto, Canada

TALK

Aug 2015

- Talk: Are creative ideas novel and useful?

European Conference on Psychological Assessment (ECPA)

Zurich, Switzerland

TALK

Jul 2015

- Talk: Validation through in-house-meta-analysis exemplified on an inventory of creative activities and achievements

International Society of Intelligence Research (ISIR)

Graz, Austria

POSTER

Dec 2014

- Poster: The good, the bad, and the average - a latent class analysis of cognitive and noncognitive abilities

Austrian Society of Psychology (ÖGP)

Vienna, Austria

TALK

Apr 2014

- Talk: Common sense goes science - means of valid assessment of tacit knowledge in pupils

Research interests

International student assessment	Student dispositions and contextual features
Creativity	Identification of creative talent, creativity fostering techniques
Individual differences	Quality standards in the application of psychometric tests
Organizational development	Crisismangement, employee motivation

Teaching

Creative Thinking

Stuttgart, Germany

UNIVERSITY OF STUTT GART

Oct 2020 - March 2021, Oct 2021 - March

2022

- Creative Thinking in schools and beyond (Kreatives Denken im schulischen Kontext und darüber hinaus)

Supervision of master thesis

Munich, Germany

TECHNICAL UNIVERSITY MUNICH

Oct 2018 - Oct 2019

- Hoque, R. (2019): The mediating effect of collaborative problem solving ability on the relationship between students' attitudes and their performance in science: An analysis of PISA 2015 Data from Australia and Singapore

Research methodology

Graz, Austria

UNIVERSITY OF GRAZ

Oct 2015 - Mar 2017

- Basics of intra- and interpersonal processes: individual differences

Co-supervision of master- and diploma theses

Graz, Austria

UNIVERSITY OF GRAZ

Oct 2012 - Mar 2016

- Sattler, B. (2016): Influence of intelligence, divergent thinking and functional fixedness on practical-scientific literacy
- Ortner, A. (2016): Do aptitudes, personality, interest, motivation and satisfaction predict job suitability?
- Treu, H. (2016): Validation of a new version of the test of practical everyday intelligence (PAIJ_neu17) for 13 to 15 years old teenagers

Counselling techniques

Graz, Austria

MEDICAL UNIVERSITY OF GRAZ

Oct 2010 - Jun 2012

- Biopsychosocial anamnesis group