Scientific Talks
Dr. Christoph König

2022

Frey, A., König, C., & Fink, A. (2022, September). *A Highly Adaptive Testing Design for PISA*. [Presentation]. Paper presented at the 8th Biennal Conference of the International Association for Computerized Adaptive Testing, Frankfurt am Main, Germany.

Shin, H. J., König, C., Robin, F., Yamamoto, K., & Frey, A. (September 2022). *Robustness of Multistage Adaptive Testing Designs in Large-Scale Assessments*. [Presentation]. Paper presented at the 8th Biennal Conference of the International Association for Computerized Adaptive Testing, Frankfurt am Main, Germany.

König, C., & Frey, A. (2022, September). *Auswirkungen coronabedingter Schulschließungen auf die Schülerleistung.* [Präsentation]. 52. Kongress der Deutschen Gesellschaft für Psychologie (DGPs), Hildesheim, Germany.

Frey, A., König, C., & Fink, A. (2022, September). *Hoch-adaptives Testen bei PISA.* [Präsentation]. 52. Kongress der Deutschen Gesellschaft für Psychologie (DGPs), Hildesheim, Germany.

König, C. (2022, Juni). *Auswirkungen coronabedingter Schulschließungen auf die Schülerleistung.* [Präsentation]. Eingeladener Vortrag des IQB Forschungskolloquiums, Berlin, Deutschland.

Fink, A., Frey, A., & König, C. (2022, April). *Dealing with item calibration error in computerized adaptive testing*. [Presentation]. Paper presented at the Annual Meeting of the National Council on Measurement in Education (NCME), San Diego, USA

König, C., & Alexandrowicz R. (2022, April). *Der Versuch eines Bayesianischen nicht-kompensatorischen Response Time Modells*. [Präsentation]. Kolloquium Methoden der empirischen Bildungsforschung, Hirschegg, Österreich.

2021

Hammerstein, S., König, C., Dreisörner, T., & Frey, A. (2021, April). *A systematic literature review on effects of school closures during the COVID-19 pandemic on student learning outcomes* [Presentation]. Thementagung „Corona und Bildung – Herausforderungen und Chancen aus Sicht der Bildungsforschung" der Gesellschaft für Empirische Bildungsforschung (GEBF), Online.

König, C. (2021, September). *Accounting for Heterogeneity When Specifying Informative Prior Distributions for Bayesian Multiple Regression Models – A Novel Similarity Measure*. [Presentation]. 15. Tagung der Fachgruppe Methoden und Evaluation der Deutschen Gesellschaft für Psychologie (DGPs), Online.

König, C. (2021, September). *Auswirkungen coronabedingter Schulschließungen auf die Schülerleistung.* Präsentation auf dem Pearson Xchange Symposium, Online.

Fink, A., Frey, A., & Koenig, C. (2021, September). Berücksichtigung der Messfehler in den Itemparametern beim computerisierten adaptiven Testen [Consideration of the measurement error of item parameter estimates in computerized adaptive testing] [Presentation]. 15. Tagung der Fachgruppe Methoden und Evaluation der Deutschen Gesellschaft für Psychologie (DGPs), Online.

König, C., & Alexandrowicz R. (2021, Dezember). *Über das atypische, aber vorteilhafte Verhalten von hierarchischen Bayesianischen IRT-Modellen.* [Präsentation]. Thementagung „Methodische Herausforderungen der empirischen Bildungsforschung" der Gesellschaft für Empirische Bildungsforschung (GEBF), Online.

2020

König, C., & Alexandrowicz, R. W. (2020, March). Same same, but different - Über das Verhalten Bayesianischer Hierarchischer IRT-Modelle [Same same, but different - On the behavior of Bayesian hierarchical IRT models]. Vortrag auf dem Kolloquium Methoden der empirischen Bildungsforschung, Hirschegg, Österreich.

2019

König, C., Khorramdel, L., Yamamoto, K., & Frey, A. (2019, August). Reducing sample size requirements in large-scale assessments for improving test design flexibility. Paper presented at the 18th Biennal EARLI Conference for Research on Learning and Instruction, Aachen, Germany.

König, C., & Naumann, A. (2019, August). Alternatives to the Inverse Wishart distribution in Bayesian hierarchical IRT models. Paper presented at the 2019 Meeting of the European Mathematical Psychology Group (EMPG), Heidelberg, Germany.

2018

König, C., Spoden, C., & Frey, A. (2018, September). *Reducing sample size requirements of the 2PL model with Bayesian hierarchical modeling – Sensitivity of the Cauchy, exponential and inverse gamma hyperpriors for variance components.* Paper presented at the 51th Congress of the German Psychological Society (DGPs), Frankfurt, Germany.

König, C., Spoden, C., & Frey, A. (2018, September). *Reducing sample size requirements of the 2PL with a Bayesian hierarchical approach.* Paper presented at the 8th European Congress of Methodology (EAM), Jena, Germany.

Frey, A., König, C., & Yavuz, C.H. (2018, March). *The effect of birthday on reading competence: A three-level analysis based on PIRLS 2011.* Paper presented at the Colloquium "Educational research methods", Hirschegg, Austria.

2017

König, C. (2017, December). *It's a small (sample) world: Kleine Stichproben und ihre forschungsmethodischen Herausforderungen*. Invited talk at the 2nd Conference "Lehrbildung PLUS", Schwäbisch Gmünd, Germany.

König, C., & van de Shoot, R. (2017, August). *Bayesian statistics in educational research – A look at the current state of affairs*. Paper presented at the 17th Biennal EARLY Conference for Research on Learning and Instruction, Tampere, Finland.

König, C., Spoden, C., & Frey, A. (2017, March). *On the utility of Bayesian hierarchical models for small sample IRT modeling*. Paper presented at the 5th Conference of the Society of Empirical Educational Research (GEBF), Heidelberg, Germany.

König, C., Spoden, C., & Frey, A. (2017, February). *Cauchy and Exponential as alternative hyperprior distributions for variance components of Bayesian hierarchical IRT models in small samples*. Paper presented at the colloquium "Educational research methods", Hirschegg, Austria.

2013

König, C., & Mulder, R. H. (2013a, August). *Positive matching and the role of teacher education's allocation function – An approximation based on a multigroup-multilevel approach*. Paper presented at the 15th Biennal EARLY Conference for Research on Learning and Instruction, Munich, Germany.

König, C., & Mulder, R. H. (2013b, August). *Structural selection profiles of teacher education systems and their relation to teacher education effectiveness*. Paper presented at the 17th Conference of Junior Researchers of EARLI (JURE), Munich, Germany.

2012

König, C., & Mulder, R. H. (2012, July). *Teacher education and educational effectiveness: An organizational approach*. Poster presented at the 16th Conference of Junior Researchers of EARLI (JURE), Regensburg, Germany.