

## Publications

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- 2016 **Zehner, F.** (2016). Automatic Processing of Text Responses in Large-Scale Assessments (Dissertation). Technische Universität München, München.  
[doi:10.13140/RG.2.2.26846.84800](https://doi.org/10.13140/RG.2.2.26846.84800)
- ◇ **Zehner, F.**, Goldhammer, F., & Sälzer, C. (submitted). Further explaining the reading gender gap: An automatic analysis of student text responses in the PISA assessment.
  - ◇ **Zehner, F.**, Sälzer, C., & Goldhammer, F. (2016). Automatic coding of short text responses via clustering in educational assessment. *Educational and Psychological Measurement*, 76(2), 280–303. [doi:10.1177/0013164415590022](https://doi.org/10.1177/0013164415590022)
- 2015 **Zehner, F.**, Goldhammer, F., & Sälzer, C. (2015). Using and improving coding guides for and by automatic coding of PISA short text responses. In *Proceedings of the IEEE ICDM Workshop on Data Mining for Educational Assessment and Feedback (ASSESS 2015)*, Atlantic City. [doi: 10.1109/icdmw.2015.189](https://doi.org/10.1109/icdmw.2015.189)
- 2014 Gebhardt, M., **Zehner, F.**, & Hessels, M. G. P. (2014). Basic arithmetical skills of students with learning disabilities in the secondary special schools: An exploratory study covering fifth to ninth grade. *Frontline Learning Research*, 2(1), 50–63.  
[doi:10.14786/flr.v2i1.73](https://doi.org/10.14786/flr.v2i1.73)
- ◇ Schulz, F., **Zehner, F.**, Schindler, C., & Prenzel, M. (2014). Prüfen und Lernen im Studium: Erste Schritte zur Untersuchung von Prüfungsanforderungen und Lerntypen. *Beiträge zur Hochschulforschung*, 36(2), 34–59. [\[available online\]](#)
- 2012 Scheck, T., **Becker<sup>1</sup>, F.**, Weitensfelder, L., & Frebort, M. (2012). Rahmenbedingungen von Self-Assessments zur Studienberatung. In K. D. Kubinger, M. Frebort, L. Khorramdel, & L. Weitensfelder ("Wiener Autorenkollektiv Studienberatungstests") (Eds.), *Self-Assessment: Theorie und Konzepte* (S. 25–48). Lengerich: Pabst.
- ◇ Weitensfelder, L. & **Becker<sup>1</sup>, F.** (2012). Optische Differenzierungs- und Gliederungsfähigkeit: Der Test Figurales Synthetisieren. In K. D. Kubinger, M. Frebort, L. Khorramdel, & L. Weitensfelder ("Wiener Autorenkollektiv Studienberatungstests") (Eds.), *Self-Assessment: Theorie und Konzepte* (S. 207–217). Lengerich: Pabst.

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<sup>1</sup>birth name

## Presentations

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- 2016 **Zehner, F.,** Goldhammer, F., & Sälzer, C. (2016, September). *Geschlechterunterschiede in der Lesekompetenz besser verstehen: Automatische Analyse von PISA-Schülerantworten*. Presentation at the 50. Kongress der Deutschen Gesellschaft für Psychologie, Leipzig.
- ◇ **Zehner, F.,** Goldhammer, F., & Sälzer, C. (2016, August). *Automatically Analyzing Features in PISA Text Responses to Further Understand the Reading Gender Gap*. Presentation at the 8th Biennial Conference of EARLI SIG 1: Assessment & Evaluation, Munich.
  - ◇ **Zehner, F.,** Goldhammer, F., & Sälzer, C. (2016, March). *Können mithilfe automatischer Kodierung die Kodierrichtlinien für Kurztextantworten verbessert werden?* Presentation at the 4. Tagung der Gesellschaft für Empirische Bildungsforschung (GEBF), Berlin.
- 2015 **Zehner, F.,** Goldhammer, F., & Sälzer, C. (2015, November). *Using and improving coding guides for and by automatic coding of PISA short text responses*. Presentation at the ICDM Workshop Data Mining for Educational Assessment and Feedback (ASSESS 2015), Atlantic City, NJ.
- ◇ **Zehner, F.,** Sälzer C., & Goldhammer, F. (2015, July). *Automatic coding of short text responses via clustering in educational assessment*. Presentation at the 13th European Conference on Psychological Assessment (ECPA), Zurich.
  - ◇ **Zehner, F.,** Sälzer, C., & Goldhammer, F. (2015, April). *How automatic coding of short text responses is able to enhance assessment*. Presentation at the 2015 Annual Meeting of the American Educational Research Association (AERA), Chicago, IL.
  - ◇ **Zehner, F.,** Sälzer, C., & Goldhammer, F. (2015, March). *Wie automatisches Kodieren offener Kurztextantworten zur Verbesserung von Assessments beitragen kann*. Presentation at the 3. Tagung der Gesellschaft für Empirische Bildungsforschung (GEBF), Bochum.
- 2014 **Zehner, F.,** Sälzer, C., & Goldhammer, F. (2014, March). *Automatische Auswertung offener, natürlichsprachlicher Antworten in PISA-Testaufgaben*. Poster presented at the 2. Tagung der Gesellschaft für Empirische Bildungsforschung (GEBF), Frankfurt am Main.

- 2013 | Gebhardt, M., **Zehner, F.**, Hein, C., Kurz, C., & Oelkrug, K. (2013, August). *Basic mathematical skills of students with learning disabilities in the secondary classes: An exploratory study in special schools from fifth to ninth grade*. Presentation at the 17th Conference of the Junior Researchers of EARLI (JURE), Munich.
- ◇ **Zehner, F.** (2013, July). *SynToM: Synchronously assessing figural, spatial and verbal retentivity using automatic item generation*. Presentation at the 12th European Conference on Psychological Assessment, San Sebastian.