

## Curriculum Vitae

### Personal information

**First name(s) / Surname(s)** **Dr Sabine Meinck**  
**Professional e-mail** sabine.meinck@iea-hamburg.de  
**Work phone** +49 (0)40 48500 750  
**Nationality** German  
**Date of birth** 12/21/1970  
**Gender** Female

### Position / Organisation

#### Work experience

<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name of employer</p> <p>Type of business or sector</p>	<p>10/2015 – Present</p> <p>(Co-)Head of Research and Analysis Unit</p> <ul style="list-style-type: none"> <li>• Leadership of the unit</li> <li>• Coordination, guidance and support of all research activities within the IEA</li> <li>• Implementation of content and methodological research in large-scale assessments</li> <li>• Conducting workshops on methodology and the science of large-scale assessments, statistical data analysis, and academic and policy-relevant writing</li> </ul> <p>Stichting IEA Secretariaat Nederland. IEA Hamburg (formerly IEA Data Processing and Research Center)</p> <p>Non-profit research organization</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name of employer</p> <p>Type of business or sector</p>	<p>10/2011 – Present</p> <p>(Co-)Head of Sampling Unit</p> <ul style="list-style-type: none"> <li>• Leadership of the unit</li> <li>• Coordination, guidance and support of all sampling activities within the IEA</li> <li>• Sampling design development and implementation in large-scale educational surveys (Starting Strong Survey, IELS, TIMSS, PIRLS, ICCS, ICILS) and German national surveys (e.g., educational standards etc.)</li> <li>• Conducting research and workshops on sampling, weighting and variance estimation</li> </ul> <p>Stichting IEA Secretariaat Nederland. IEA Hamburg (formerly IEA Data Processing and Research Center)</p> <p>Non-profit research organization</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name of employer</p> <p>Type of business or sector</p>	<p>03/2006 – 09/2011</p> <p>Senior Researcher, Sampling Methodologist</p> <ul style="list-style-type: none"> <li>• Sampling design development and implementation, weighting and variance estimation in large-scale educational surveys (TIMSS, PIRLS, ICCS, TEDS-M, ICILS) and German national surveys (e.g., educational standards etc.)</li> <li>• Conducting training sessions and presentations about sampling, weighting and variance estimation</li> <li>• Implementation of research on related topics</li> </ul> <p>Stichting IEA Secretariaat Nederland. IEA Hamburg</p> <p>Non-profit research organization</p>

Dates	09/2004 – 02/2006
Occupation or position held	Consultant
Main activities and responsibilities	Consulting in statistical analyses of empirical data (high school students, postgraduates)
Name of employer	-- (freelance work, Hamburg)
Type of business or sector	Multidisciplinary empirical research
Dates	01/2003 – 12/2003
Occupation or position held	Teacher
Main activities and responsibilities	Teaching statistics and informatics
Name of employer	FIT Educational Academy, Magdeburg
Type of business or sector	Adult education
Dates	04/1995 – 12/1999
Occupation or position held	Researcher
Main activities and responsibilities	Planning and implementation of agricultural field trials, statistical analysis and publication of the results
Name of employer	Saxony regional office of agriculture, Leipzig
Type of business or sector	Agricultural research
<b>Other Professional Activities</b>	
Current	<ul style="list-style-type: none"> <li>• Board member IERI Institute</li> <li>• Associated Editor of journal “Large-scale Assessments in Education”</li> <li>• Member of PISA Technical Advisory Group</li> <li>• Research fellow Indiana University</li> <li>• Lectureship at the University of Hamburg: Master course “Complex methods in quantitative empirical research”</li> <li>• Reviewer of several peer-reviewed journals</li> </ul>
Past	<ul style="list-style-type: none"> <li>• Member of the Project Management Team TIMSS and PIRLS</li> <li>• Member of the Consortium of IELS</li> <li>• Member of the Consortium of the TALIS Starting Strong Survey</li> <li>• Member of the ICILS Joint Management Committee (ex-officio)</li> <li>• Member of the ICCS Joint Management Committee (ex-officio)</li> <li>• Member of the ECES Joint Management Committee (ex-officio)</li> <li>• Member of the TEDS-M Joint Management Committee (ex-officio)</li> </ul>
<b>Education and training</b>	
Dates	09/1999
Title of qualification awarded	Dr agriculturarum
Principal subjects/occupational skills covered	Thesis title: “Organic potato production: Variety choice and <i>Phytophthora</i> prophylaxis.”

Name and type of organisation providing education and training	University Kassel, Department Agriculture and International Rural Development
Dates	09/1990 – 02/1995
Title of qualification awarded	Diplom Agrar Ingenieur
Principal subjects/occupational skills covered	Agricultural sciences
Name and type of organisation providing education and training	University of Leipzig, Department Agricultural Sciences
<b>Personal skills and competences</b>	
Mother tongue(s)	German
Other language(s)	English
Computer skills and competences	Proficient user of SPSS, SAS, Mplus, HLM, IEA IDB Analyzer

## Publications and Presentations

### Papers, books, and book chapters

1. Meinck, S., Fraillon, J., Strietholt, R. (Eds., 2022). The impact of the COVID-19 pandemic on education – International evidence from the Responses to Educational Disruption Survey (REDS). Paris, France: United Nations Educational, Scientific and Cultural Organization (UNESCO), and Amsterdam, the Netherlands: International Association for Educational Achievement (IEA). <https://unesdoc.unesco.org/ark:/48223/pf0000380398>
2. Meinck, S., Fraillon, J. (2022). Introduction to the Responses on Educational Disruption Survey. In: Meinck, S., Fraillon, J., Strietholt, R. (Eds.). *The impact of the COVID-19 pandemic on education – International evidence from the Responses to Educational Disruption Survey (REDS)*. Paris, France: United Nations Educational, Scientific and Cultural Organization (UNESCO), and Amsterdam, the Netherlands: International Association for Educational Achievement (IEA). <https://unesdoc.unesco.org/ark:/48223/pf0000380398>
3. Meyer, S., Penon, K., Wilsher Beyer, C., Meinck, S., Waschk, A. (2022). Methods, procedures, and data In: Meinck, S., Fraillon, J., Strietholt, R. (Eds.). *The impact of the COVID-19 pandemic on education – International evidence from the Responses to Educational Disruption Survey (REDS)*. Paris, France: United Nations Educational, Scientific and Cultural Organization (UNESCO), and Amsterdam, the Netherlands: International Association for Educational Achievement (IEA). <https://unesdoc.unesco.org/ark:/48223/pf0000380398>
4. Rožman, M., Meinck, S., Chen, M. (2022a). Impact of the pandemic on classroom teaching and learning. In: Meinck, S., Fraillon, J., Strietholt, R. (Eds.). *The impact of the COVID-19 pandemic on education – International evidence from the Responses to Educational Disruption Survey (REDS)*. Paris, France: United Nations Educational, Scientific and Cultural Organization (UNESCO), and Amsterdam, the Netherlands: International Association for Educational Achievement (IEA). <https://unesdoc.unesco.org/ark:/48223/pf0000380398>
5. Rožman, M., Meinck, S., Chen, M. (2022b). Well-being of students and teachers. In: Meinck, S., Fraillon, J., Strietholt, R. (Eds.). *The impact of the COVID-19 pandemic on education – International evidence from the Responses to Educational Disruption Survey (REDS)*. Paris, France: United Nations Educational, Scientific and Cultural Organization (UNESCO), and Amsterdam, the Netherlands: International Association for Educational Achievement (IEA). <https://unesdoc.unesco.org/ark:/48223/pf0000380398>
6. Chen, M., Kennedy, A., Meinck, S., Rožman, M. (2022a). Communication, feedback, and assessment. In: Meinck, S., Fraillon, J., Strietholt, R. (Eds.). *The impact of the COVID-19 pandemic on education – International evidence from the Responses to Educational Disruption Survey (REDS)*. Paris, France: United Nations Educational, Scientific and Cultural

- Organization (UNESCO), and Amsterdam, the Netherlands: International Association for Educational Achievement (IEA). <https://unesdoc.unesco.org/ark:/48223/pf0000380398>
7. Chen, M., Kennedy, A., Meinck, S., Rožman, M. (2022b). Transitioning students back to school. In: Meinck, S., Fraillon, J., Strietholt, R. (Eds.). *The impact of the COVID-19 pandemic on education – International evidence from the Responses to Educational Disruption Survey (REDS)*. Paris, France: United Nations Educational, Scientific and Cultural Organization (UNESCO), and Amsterdam, the Netherlands: International Association for Educational Achievement (IEA). <https://unesdoc.unesco.org/ark:/48223/pf0000380398>
  8. Meinck, S., Rožman, M., Chen, M. (2022a). Help and support for teaching and learning. In: Meinck, S., Fraillon, J., Strietholt, R. (Eds.). *The impact of the COVID-19 pandemic on education – International evidence from the Responses to Educational Disruption Survey (REDS)*. Paris, France: United Nations Educational, Scientific and Cultural Organization (UNESCO), and Amsterdam, the Netherlands: International Association for Educational Achievement (IEA). <https://unesdoc.unesco.org/ark:/48223/pf0000380398>
  9. Meinck, S., Rožman, M., Chen, M. (2022b). Academic progress, preparedness for future disruptions, and persisting changes. In: Meinck, S., Fraillon, J., Strietholt, R. (Eds.). *The impact of the COVID-19 pandemic on education – International evidence from the Responses to Educational Disruption Survey (REDS)*. Paris, France: United Nations Educational, Scientific and Cultural Organization (UNESCO), and Amsterdam, the Netherlands: International Association for Educational Achievement (IEA). <https://unesdoc.unesco.org/ark:/48223/pf0000380398>
  10. Fraillon, J., Meinck, S. (2022). Reflections and conclusions. In: Meinck, S., Fraillon, J., Strietholt, R. (Eds.). *The impact of the COVID-19 pandemic on education – International evidence from the Responses to Educational Disruption Survey (REDS)*. Paris, France: United Nations Educational, Scientific and Cultural Organization (UNESCO), and Amsterdam, the Netherlands: International Association for Educational Achievement (IEA). <https://unesdoc.unesco.org/ark:/48223/pf0000380398>
  11. Koršňáková, P., Meinck, S., Japelj-Pavešič, B. (2021). Introduction to Dinaric Perspectives on TIMSS 2019. In: Japelj-Pavešič, B., Koršňáková, P., Meinck, S. (Eds.). *Dinaric Perspectives on TIMSS 2019: Teaching and Learning Mathematics and Science in South-Eastern Europe*. Springer, Cham. <https://doi.org/10.1007/978-3-030-85802-5>, p. 1-14.
  12. Japelj-Pavešič, B., Koršňáková, P., Meinck, S. (Eds., 2021). *Dinaric Perspectives on TIMSS 2019: Teaching and Learning Mathematics and Science in South-Eastern Europe*. Springer, Cham. <https://doi.org/10.1007/978-3-030-85802-5>
  13. Meinck, S., Vandeplass, C. (2021) Sampling Design in ILSA. In: Nilsen T., Stancel-Piątak A., Gustafsson J.E. (eds) *International Handbook of Comparative Large-Scale Studies in Education*. Springer International Handbooks of Education. Springer, Cham. [https://doi.org/10.1007/978-3-030-38298-8\\_25-1](https://doi.org/10.1007/978-3-030-38298-8_25-1)
  14. Strietholt, R., Fraillon, J., Liaw, Y.L., Meinck, S., Wild, J. (2021). *Changes in digital learning during a pandemic – Findings from the ICILS Teacher Panel*. Amsterdam, the Netherlands: International Association for Educational Achievement (IEA), <http://creativecommons.org/licenses/by-nc/4.0/>
  15. Mang, J., Küchenhoff, H., Meinck, S., Prenzel, M. (2021). Sampling weights in multilevel modelling: an investigation using PISA sampling structures. *Large-scale Assessments in Education* (2021) 9:6, <https://rdcu.be/chvOJ>
  16. Meinck, S. (2020). Sampling, weighting, and variance estimation. In Wagemaker, H. (Eds.). *Reliability and validity of international large-scale assessment*. Springer International Publishing, p. 113-129.
  17. Meinck, S., Wagemaker, H., Gonzalez, E. (2020). Consequential Validity: Data access, data use, analytical support, and training. In Wagemaker, H. (Eds.). *Reliability and validity of international large-scale assessment*. Springer International Publishing, p. 221-230.
  18. Tieck, S., Meinck, S. (2020). Weights and variance estimation for ICILS 2018. In Mikheeva, E., Meyer, S. (Eds.). *IEA International Computer and Information Literacy Study 2018 - User Guide for the International Database*. Amsterdam, the Netherlands: International Association for Educational Achievement (IEA).
  19. Mang, J., Wagner, S., Gomolka, J., Schäfer, A., Meinck, S., Reiss, K. (2019). Technische Hintergrundinformationen PISA 2018. [Doi:10.14459/2019md1518258](https://doi.org/10.14459/2019md1518258)
  20. Meinck, S. & Brese, F. (2019). Trends in gender gaps: using 20 years of evidence from TIMSS. *Large-scale Assessments in Education* (2019) 7:8, <https://rdcu.be/bMwWT>
  21. Twele, N., Wilsher Beyer, C., Meinck, S., Neuschmidt, O., Savasci, D., Gonzalez, E. (2018) *Résultats Préliminaires de l'Evaluation Nationale 2017 en Haïti*. Hamburg, Germany: International Association for the Evaluation of Educational Achievement (IEA), <https://www.ciohaiti.org/spip.php?article412>
  22. Meinck, S., Stancel-Piątak, A., Verdisco, A. (2018). *Preparing the ground: The importance of early learning activities at*

- home for fourth grade student achievement.* IEA Compass: Briefs in Education No. 3. Amsterdam, The Netherlands: IEA.
23. Meinck, S., Dumais, J. (2018). Sampling for TEDS-M. In Tatto, M.T., Rodriguez, M., Smith, W., Reckase, M., Bankov, K. (Eds.). Exploring the mathematical education of teachers using TEDS-M data. Springer, New York
  24. Heine, J.H., Nagy, G., Meinck, S., Zühlke, O., Mang, J. (2017). Empirische Grundlage, Stichprobenausfall und Adjustierung im PISA-Längsschnitt 2012–2013. *Z Erziehungswiss*, DOI 10.1007/s11618-017-0756-0, <https://rdcu.be/OD9E>
  25. Meinck, S., Stancel-Piątak, A., Desa, D., Hastedt, D., and Sibberns, H. (2017). Cross-national large-scale assessments in education: methodological challenges, perspectives, and developments. Special issue in *Tertium Comparationis*. Waxmann.
  26. Meinck, S., Cortes, D., Tieck, S. (2017): Evaluating the risk of nonresponse bias in educational large-scale assessments with school nonresponse questionnaires: a theoretical study. *Large-scale Assessments in Education* (2017) 5:3, <http://rdcu.be/oVhH>
  27. Alkan, M. & Meinck, S. (2016). The relationship between students' use of ICT for social communication and their computer and information literacy. *Large-scale Assessments in Education*, 2016, 4:15. <http://rdcu.be/nbz2>
  28. Meinck, S. (2015). Computing Sampling Weights in Large-scale Assessments in Education. *Survey Insights: Methods from the Field, Weighting: Practical Issues and 'How to' Approach*. Retrieved from <http://surveyinsights.org/?p=5353>
  29. Meinck, S. & Cortes, D. (2015). Weights and variance estimation for ICILS 2013. In: Jung, M. & Carstens, R. (Eds.). *ICILS 2013 User Guide for the International Database*. Amsterdam, the Netherlands: International Association for Educational Achievement (IEA).
  30. Meinck, S. (2015). Sampling design and implementation. - In: Fraillon, J., Schulz, W., Friedman, T., Ainley, J., & Gebhardt, E. (Eds.) (2015). *International Computer and Information Literacy Study 2013 Technical Report*. Amsterdam, the Netherlands: International Association for the Evaluation of Educational Achievement (IEA).
  31. Meinck, S. (2015). Sampling weights, nonresponse adjustments and participation rates. - In: Fraillon, J., Schulz, W., Friedman, T., Ainley, J., & Gebhardt, E. (Eds.) (2015). *International Computer and Information Literacy Study 2013 Technical Report*. Amsterdam, the Netherlands: International Association for the Evaluation of Educational Achievement (IEA).
  32. Dumais, J., S. Meinck, Tatto, M.T., Schwille, J., Ingvarson, L. (2013). Sampling Design. - In: Tatto, M. T. (2013). *Teacher Education and Development Study in Mathematics (TEDS-M): Technical report*. Amsterdam, the Netherlands: International Association for Educational Achievement (IEA).
  33. Dumais, J. & S. Meinck (2013). Estimation Weights, Participation Rates, and Sampling Error. - In: Tatto, M. T. (2013). *Teacher Education and Development Study in Mathematics (TEDS-M): Technical report*. Amsterdam, the Netherlands: International Association for Educational Achievement (IEA).
  34. Meinck, S. & M. Rodriguez (2013). Considerations for correlation analysis using clustered data: working with the teacher education and development study in mathematics (TEDS-M) and other international studies. *Large-scale Assessments in Education* 2013, 1:7, Springer, <http://www.largescaleassessmentsineducation.com/content/1/1/7>
  35. Tatto, M. T., Schwille, J., Senk, S. L., Ingvarson, L., Rowley, G., Peck, R., Bankov, K., Rodriguez, M., Reckase, M., with Dumais, J., Carstens, R., Brese, F., Meinck, S., Berzina-Pitcher, I., Lu, Y., Holdgreve-Resendez, R. (2012). *Policy, Practice, and Readiness to Teach Primary and Secondary Mathematics in 17 Countries - Findings from the IEA Teacher Education and Development Study in Mathematics (TEDS-M)*. International Association for the Evaluation of Educational Achievement (IEA), Amsterdam, Available online at [http://www.iea.nl/fileadmin/user\\_upload/Publications/Electronic\\_versions/TEDS-M\\_International\\_Report.pdf](http://www.iea.nl/fileadmin/user_upload/Publications/Electronic_versions/TEDS-M_International_Report.pdf)
  36. Meinck, S. & J. Dumais (2012). Characteristics of National Samples: Implementations of the International Sampling Design in Participating Countries. - In: Tatto, M. T. (2012). *Teacher Education and Development Study in Mathematics (TEDS-M): Technical report*. Amsterdam, the Netherlands: International Association for Educational Achievement (IEA).
  37. Meinck, S. & C. Vandenplas (2012). *Evaluation of a Prerequisite of Hierarchical Linear Modeling (HLM) in Educational Research - The Relationship between the Sample Sizes at Each Level of a Hierarchical Model and the Precision of the Outcome Model*. IERI Monograph Series Issues and Methodologies in Large-Scale Assessments. IER Institute, Special Issue 1, Educational Testing Service and International Association for the Evaluation of Educational Achievement.
  38. Brese, F. & Tatto, M.T. (Eds) with Becker, A., Carstens, R., Dumais, J., Meinck, S., Mirazchiyski, P. (2012): *TEDS-M 2008 User Guide for the International Database*. Amsterdam, the Netherlands: International Association for

Educational Achievement (IEA).

39. Tatto, M. T., Schwille, J., Senk, S., Rodriguez, M., Bankov, K., Reckase, M, D., Ingvarson, L., Peck, R., *with* Rowley, G., Dumais, J., Carstens, R., Brese, F., Meinck, S. (2009). *Teacher Education Study in Mathematics (TEDS-M): Technical Summary*. East Lansing, MI: Teacher Education International Study Center, College of Education, Michigan State University. (confidential, unpublished)

### Conference presentations

1. Cortes, D., Hastedt, D., Meinck, S. (2022). On the relevance of the imputation variance in international large-scale assessments. Paper presentation at the annual meeting of Gesellschaft für Empirische Bildungsforschung (GEBF), (virtual)
2. Meinck, S. (2022). Launch of the Responses on Educational Disruption Survey (REDS) Report (virtual). Minutes 25 to 45, <https://www.youtube.com/watch?v=aRnF33Psj8k>
3. Mang, J., Küchenhoff, H., Meinck, S., Prenzel, M. (2021). Sampling weights in multilevel modelling: an investigation using LSA sampling structures. Paper presentation at IRC, Dubai, United Arab Emirates.
4. Meinck, S. (2020). Launch of the of TIMSS 2019 International Results & International Report (virtual). Panellist. Minutes 2:14 to 2:17. <https://www.youtube.com/watch?v=WZeWCiMDpNo&list=PLQOoi4F3sfzYtvzIWN0uje-Xe7ESGb3GY>
5. Meinck, S. (2019a). Discussion of paper “The use of survey weights in regression analysis” (J. Wooldridge). PIAAC Methodological Seminar – The use of test scores in secondary analysis, OECD, Paris, France
6. Meinck, S. (2019b). Multilevel Modeling with Large-Scale Assessment Data: Uncovering Sampling-Related Challenges. Paper presentation at IRC, Denmark, Copenhagen.
7. Mang, J., Küchenhoff, H., Prenzel, M., Meinck, S. (2018). Validierung geeigneter Stichprobengewichte der PISA Studie im hierarchischen Modell. Paper presentation at the annual meeting of Gesellschaft für Empirische Bildungsforschung (GEBF), Switzerland, Basel.
8. Meinck, S. & Brese, F. (2017). Trends in Gender Gaps: Using Twenty Years of Evidence from TIMSS. Paper presentation at IRC, Czech Republic, Prague.
9. Meinck, S., Stancel-Piątak, A., Eraydin, I. (2017). Trends in the relationships between early learning activities, parental education and child performance (PIRLS & TIMSS). Paper Presentation at the American Educational Research Associations 2017 Annual Meeting, United States, San Antonio.
10. Meinck, S. (2016). Rückmeldung an Schulen im Rahmen von Large-Scale Assessments – Chancen und Grenzen aus methodischer Sicht. Paper Presentation at the Kommission Bildungsplanung, Bildungsorganisation und Bildungsrecht (KBBB) 2016, Germany, Paderborn.
11. Meinck, S. & Stancel-Piatak, A. (2016). Preparing the grounds: early literacy and numeracy activities founding reading, mathematics and science achievement. Paper presentation at the 60th Annual Conference of the Comparison and International Education Society (CIES), Canada, Vancouver.
12. Alkan, M. & Meinck, S. (2015). The relationship between students’ use of ICT for social communication and their computer and information literacy. Paper Presentation at the 6th IEA International Research Conference, Cape Town, South Africa.
13. Meinck, S., Cortes, D. & Tieck, S. (2015). Can school nonresponse questionnaires reduce the risk of nonresponse bias in IEA studies? Paper Presentation at the 6th IEA International Research Conference, Cape Town, South Africa.
14. Meinck, S. & C. Vandeplass (2013). HLM with Educational Large-Scale Assessment Data: Restrictions on Inferences due to Limited Sample Sizes. Paper Presentation at the 57th Annual Conference of the Comparison and International Education Society (CIES), March 11-15, USA, New Orleans.
15. Meinck, S. (2013): Hierarchical Modeling with Large-Scale Assessment Data: Influence of Intra-class Correlation on Sampling Precision. Paper Presentation at the 5th IEA International Research Conference, Singapore
16. Meinck, S. & C. Vandeplass (2011): Sampling Precision of Hierarchical Linear Models: Dependence on Varying Sample and Population Conditions. Paper Presentation at the 8th International Amsterdam Conference on Multilevel Analysis, March 15-18, The Netherlands, Amsterdam
17. Meinck, S. & M. Rodriguez (2011): Particular Considerations for Correlation Analysis using Data from the Teacher



Education and Development Study in Mathematics (TEDS-M). Paper Presentation at the 55th Annual Conference of the Comparison and International Education Society (CIES), May 1-5, Canada, Montreal

18. Meinck, S. & J. Dumais (2010a): Sampling Design, Weighting and Variance Estimation for the Teacher Education and Development Study in Mathematics (TEDS-M). Paper Presentation at the 54<sup>th</sup> Annual Conference of the Comparison and International Education Society (CIES), March 1-5, USA, Chicago
19. Meinck, S. & J. Dumais (2010b): Sampling Design for the Teacher Education and Development Study in Mathematics (TEDS-M): Challenges, Solutions, Restrictions. Paper Presentation at the 4th IEA International Research Conference, July 1-3, Sweden, Gothenburg, Available online at  
[http://www.iea-irc.org/fileadmin/IRC\\_2010\\_papers/TEDS\\_M/Meinck\\_Dumais.pdf](http://www.iea-irc.org/fileadmin/IRC_2010_papers/TEDS_M/Meinck_Dumais.pdf)

### Workshops and teaching assignments

1. Winter semester 2021/22, Master course at the faculty of education of University Hamburg , "Complex analysis methods in educational research"
2. Winter semester 2020/21, Master course at the faculty of education of University Hamburg , "Complex analysis methods in educational research"
3. 04/2021, Workshop at the American Educational Research Associations 2018 Annual Meeting, virtual: "Hierarchical Linear Modeling with Large-Scale International Databases"
4. 06/2019, ICILS 2018 Analysis Workshop (on multivariate and multilevel analysis of ICILS data), Virtual workshop
5. 04/2019, Workshop at the American Educational Research Associations 2019 Annual Meeting, Toronto, Canada: "Hierarchical Linear Modeling with Large-Scale International Databases"
6. Winter semester 2019/20, Master course at the faculty of education of University Hamburg , "Complex analysis methods in educational research"
7. 02/2019, Workshop at the annual meeting of the Gesellschaft für empirische Bildungsforschung, Cologne, Germany: "Herausforderungen und Besonderheiten der Analyse von Datensätzen aus Large-Scale-Assessments"
8. Winter semester 2018/19, Master course at the faculty of education of University Hamburg , "Complex analysis methods in educational research"
9. 08/2018, Herbstakademie des Instituts zur Qualitätsentwicklung im Bildungswesen (IQB), Berlin, Germany: „Stichprobenziehung und Gewichtung in large-scale Assessments“
10. 04/2018, Workshop at the American Educational Research Associations 2018 Annual Meeting, New York, United States: "Hierarchical Linear Modeling with Large-Scale International Databases"
11. 04/2018, Hamburg, Germany: "ICCS 2016 Analysis Workshop"
12. 02/2018, PIRLS 2016 9th National Research Coordinators' Meeting, Hamburg, Germany "PIRLS 2016 Analysis Workshop"
13. Winter semester 2017/18, Master course at the faculty of education of University Hamburg , "Complex analysis methods in educational research"
14. 11/2017, Workshop at the Regional Center for Educational Planning in the Golf region: "Policy Brief Writing based on large-scale assessments"
15. 10/2017, Workshop at the Regional Center for Educational Planning in the Golf region: "Thematic Report Writing based on TIMSS and PIRLS"
16. 10/2017, IERI Academy, Hamburg, Germany: "Complex Sampling in Large-Scale Assessments in Education"
17. 09/2017, Summer academy of Hamburg University, Hamburg, Germany: "Analysis of data of the Programme for the International Assessment of Adult Competencies (PIAAC) with the IEA IDB Analyzer"
18. 06/2017, Workshop at the IRC 2017, Prague, Czech Republic: "Added Value. How IEA study participation can meet specific national research interests"
19. 04/2017, Workshop at the American Educational Research Associations 2017 Annual Meeting, San Antonio, United States: "Hierarchical Linear Modeling with Large-Scale International Databases"

20. 02/2017, Workshop at the 9<sup>th</sup> TIMSS National Research Coordinator Meeting, Hamburg, Germany: "Statistical data analysis of TIMSS 2015 data"
21. Winter semester 2016/17, Master course at the faculty of education of University Hamburg , "Complex analysis methods in educational research"
22. 11/2016, Workshop at the 17<sup>th</sup> Annual AEA Europe conference, Limassol, Cyprus: "Using data collected in IEA studies for informing policy and practice"
23. 03/2016, Workshop at the 60<sup>th</sup> Annual Conference of the Comparison and International Education Society (CIES), Vancouver, Canada: "International Cross-Time, Cross-System (XTXS) Database"
24. Winter semester 2015/16, Master course at the faculty of education of University Hamburg , "Complex analysis methods in educational research"
25. 11/2015, Workshop for staff members of the Georgian Ministry of Education at IEA DPC, Hamburg, Germany: "Complex Sampling in Large-Scale Assessments in Education"
26. 11/2015, Workshop for staff members of the Georgian Ministry of Education at IEA DPC, Hamburg, Germany: "Introduction into quantitative analysis"
27. 07/2015, Workshop at 13th International Congress on Mathematical Education, Hamburg, Germany: "Use of Educational Large-Scale Assessment Data for Research on Mathematics Didactics"
28. 03/2015, IEA International Computer and Information Literacy Study, International Database and Analysis Workshop Krakow, Poland: "Sampling and assessment design – Implications for analysis and variance estimation", "Calculating and evaluating statistical significance"
29. Winter semester 2014/15, Master course at the faculty of education of University Hamburg , "Complex methods in quantitative empirical research"
30. Winter semester 2013/14, Master course at the faculty of education of University Hamburg , "Complex analysis methods in educational research"
31. 05/2014, Pre-conference workshop at GESIS, Mannheim: "Analysis of data of the Programme for the International Assessment of Adult Competencies (PIAAC) - Introduction"
32. 03/2014, Post-doctoral course at University of Social Sciences and Humanities (SWPS), Warsaw: "Quantitative Methods With Large-Scale Assessment Data: Complex Sampling in Large-Scale Assessments in Education"
33. 11/2013, Workshop at IEA DPC, Hamburg, Germany: "Hierarchical Linear Modeling with TIMSS and PIRLS Data"
34. 06/2013, Workshop at the 5th IEA International Research Conference, Singapore: "Sampling in large-scale assessments in education"
35. 05/2013, Workshop at the Leuphana University Lüneburg: "Large Scale Assessments im Bildungswesen: Stichprobenziehung, Gewichtung und Varianzschätzung"
36. 04/2013, Workshop at IEA DPC, Hamburg, Germany: "Hierarchical Linear Modeling with TIMSS and PIRLS Data"
37. 03/2013, Workshop, Institut für Bildungswissenschaft, Abteilung Schulforschung, Leuphana Universität Lüneburg: "Large Scale Assessments im Bildungswesen: Stichprobenziehung, Gewichtung und Varianzschätzung"
38. 03/2013, Workshop at the 57<sup>th</sup> Annual Conference of the Comparison and International Education Society (CIES), USA, New Orleans: "Introduction to the Concepts of Complex Sampling in Large-Scale Assessments in Education"
39. 09/2012, Internal Workshop for software developers, Hamburg: "Variance Estimation in large-scale assessments"
40. 06/2012, International Database Training at the 8<sup>th</sup> NRC Meeting of the TIMSS & PIRLS National Coordinators Meeting, Singapore: "TIMSS & PIRLS Survey design and implications for analysis"
41. 02/2012, Workshop at the Botswana Examinations Council, Gaborone: "Sampling, Variance Estimation and Significance Testing"
42. 09/2011, Workshop at the IERI Academy, Hamburg, Germany: "Principles of Sampling, Item Response Theory and Proficiency Estimation" (Part "Sampling and Weighting in large-scale assessments in education")
43. 04/2011, Workshop at the 55<sup>th</sup> Annual Conference of the Comparison and International Education Society (CIES), Canada, Montreal: "Sampling in large-scale assessments in education: Introduction to the concepts of statistical sampling, characteristics of complex samples, and implications for analysis and interpretation"



44. 01/2011, Workshop at the IERI Academy, Nanyang Technological University Singapore, National Institute of Education: "Principles of Sampling, Item Response Theory and Proficiency Estimation" (Part "Sampling and Weighting in large-scale assessments in education")
45. 07/2010, Workshop at the 5<sup>th</sup> PIRLS National Coordinators Meeting, Croatia, Zagreb: "Introduction to the concepts of sampling, weighting, and variance estimation in educational large scale surveys"
46. 06/2010, Workshop, Institut für Erziehungswissenschaften, Abteilung Empirische Bildungsforschung und Pädagogische Psychologie, Eberhard Karls Universität Tübingen: "Large Scale Assessments im Bildungswesen: Stichprobenziehung, Gewichtung und Varianzschätzung"
47. 03/2010, Workshop at the 54<sup>th</sup> Annual Conference of the Comparison and International Education Society (CIES), USA, Chicago: "Introduction to the concepts of sampling, weighting, and variance estimation in educational large scale surveys"
48. 07/2009, 6<sup>th</sup> NRC Meeting of the Teacher Education Study in Mathematics (TEDS-M), IDB-Seminar, Santiago de Chile, Chile: "IDB Analyzer: Computing Means, Correlation, Regression and Comparing Subgroups"
49. 04/2009, IEA-DPC Colloquium, Hamburg, Germany: "Sampling, Weighting and Variance Estimation in Large Scale Educational Surveys, Part 1: Weighting"
50. 02/2009, IEA-DPC Colloquium, Hamburg, Germany: "Sampling, Weighting and Variance Estimation in Large Scale Educational Surveys, Part 1: School Sampling"