

Publikationen & Präsentationen

Publikationen

Fachjournale, mit peer review

- 2019 Steinhauer, H.W., S. Zinn & G. Will (accepted). Sampling Refugees for an Educational Longitudinal Survey. Special Issue Survey Methods: Insights from the Field (SMIF).
- 2018 Zinn, S., & Gnambs, T. (2018). Modeling Competence Development in the Presence of Selection Bias. *Behavior Research Methods*, 50(6), 2426-2441.
- 2017 Willekens, F., Zinn, S., & Leuchter, M. (2017). Emigration Rates From Sample Surveys: An Application to Senegal. *Demography*, 54(6), 2159-2179.
- 2017 von Maurice, J., Zinn, S., & Wolter, I. (2017). Large-Scale Assessments: Potentials and Challenges in Longitudinal Designs. *Psychological Test and Assessment Modeling*, Volume 59, 2017 (1).
- 2017 Klabunde, A., Zinn, S., Willekens, F., & Leuchter, M. (2017). Multistate Modelling Extended by Behavioural Rules: An Application to Migration. *Population Studies*, 71(sup1), 51-67.
- 2015 Zinn, S. & A. Würbach (2015): A Statistical Approach to Address the Problem of Heaping in Self-Reported Income Data. *Journal of Applied Statistics*. 43(4), 682-703.
- 2015 Steinhauer, H. W., Aßmann, C., Zinn, S., Goßmann, S., & Rässler, S. (2015). Sampling and Weighting Cohort Samples in Institutional Contexts. *AStA Wirtschafts-und Sozialstatistisches Archiv*, 9(2), 131-157.
- 2014 S. Zinn (2014). The MicSim Package of R: An Entry-Level Toolkit for Continuous-Time Microsimulation. In *International Journal of Microsimulation* 7(3), 3-32.
- 2013 Zinn, S., J. Himmelspach, Uhrmacher, A.M., & Gampe, J. (2013). Building MicCore, a Specialized M&S Software to Simulate Multi-State Demographic Micro Models, Based on JAMES II, a General M&S Framework. In *Journal of Artificial Societies and Social Simulation* 16(3)5.
- 2012 S. Zinn (2012). A Mate-Matching Algorithm for Continuous-Time Microsimulation Models. In *International Journal of Microsimulation* 5(1), 31-51.

Buchkapitel, mit peer review

- 2017 Zinn, S. (2017). Simulating Synthetic Life Courses of Individuals and Couples, and Mate Matching. Book Chapter In Volume on Agent based Modelling in Population Studies. Springer Series on Demographic Methods and Population Analysis. Springer.

- 2016 Zinn, S. (2016). Variance Estimation With Balanced Repeated Replication: An Application for the Fifth- and Ninth-Grader Cohort Samples of the National Educational Panel Study. In H.-P. Blossfeld, J. von Maurice, J. Skopek, & Bayer, M. (Eds.), *Methodological Issues of Longitudinal Surveys* (pp.). Wiesbaden: Springer.
- 2016 Steinhauer, H. W., Zinn, S., & Aßmann, C. (2016). Weighting Panel Cohorts in Institutional Contexts. In H.P. Blossfeld, J. von Maurice, J. Skopek, & Bayer, M. (Eds.), *Methodological Issues of Longitudinal Surveys* (pp.). Wiesbaden: Springer.

Buchkapitel, ohne peer review

- 2019 S. Zinn (im Erscheinen, 2019). Konzeption eines Simulationsmodells zur Formation von Bildungsentscheidungen. In M. Hannappel & J. Kopp (Hrsg.), *Mikrosimulation*. Springer VS Verlag.
- 2019 S. Zinn (im Erscheinen, 2019). Modellierung und Simulation von Entscheidungsprozesse im Rahmen Szenario-basierter Vorhersagen. In N. Saam, M. Resch, & A. Kaminski (Hrsg.), *Sozialwissenschaftlichen Simulationen und der Soziologie der Simulation* (Bd. 1). Springer.
- 2019 Aßmann, C., Steinhauer, H.W., Würbach, A., Zinn, S, Hammon. A., Kiesl, H., Rohwer, G., Rässler, S., & Blossfeld, H.-P. (2019). Sampling Design of the National Educational Panel Study: Setup and Panel Development. In H.-P. Blossfeld & H.-G. Roßbach (eds.), *Education as a Lifelong Process, Edition ZfE 3*. Springer Nature.
- 2015 Olczyk, M.; Seuring, J.; Will, G. and Zinn, S. (2015). Migranten und ihre Nachkommen im deutschen Bildungssystem: ein aktueller Überblick. *Sammelband Ethnische Ungleichheiten im Bildungverlauf: Mechanismen, Befunde, Debatten*. Springer.

Working Paper

- 2018 Bayer, M. & Zinn, S. (2018). Zur Entwicklung des Zusammenhangs und der Erklärbarkeit von Leistungen und Kompetenzen bei Schülerinnen und Schülern der Sekundarstufe I (LifBi Working Paper No. 77). Bamberg, Deutschland: Leibniz-Institut für Bildungsverläufe, Nationales Bildungspanel.
- 2018 Zinn, S., Würbach, A., Steinhauer, H.W. & Hammon, A. (2018). Attrition and Selectivity of the NEPS Starting Cohorts: An Overview of the Past 8 Years (NEPS Survey Paper No. 34). Bamberg, Germany: Leibniz Institute for Educational Trajectories, National Educational Panel Study.
- 2017 Zinn, S., Steinhauer, H.W., & Aßmann, C. (2017). Samples, Weights, and Nonresponse: the Student Sample of the National Educational Panel Study (Wave 1 to 8) (NEPS Survey Paper No. 18). Bamberg, Germany: Leibniz Institute for Educational Trajectories, National Educational Panel Study.
- 2016 Hammon, A., Zinn, S., Aßmann, C., & Würbach, A. (2016). Samples, Weights, and Nonresponse: the Adult Cohort of the National Educational Panel Study (Wave 2 to 6) (NEPS Survey Paper No. 7). Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study
- 2016 Würbach, A.; Zinn, S., & Aßmann, C. (2016). Samples, Weights, and Nonresponse: the Early Childhood Cohort of the National Educational Panel Study (Wave 1 to 3) (NEPS Survey Paper No. 8). Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study.

- 2016 Steinhauer, H. W., & Zinn, S. (2016). NEPS Technical Report for Weighting: Weighting the Sample of Starting Cohort 3 of the National Educational Panel Study (Waves 1 to 3), (NEPS Working Paper No. 63). Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study.
- 2016 Steinhauer, H. W., & Zinn, S. (2016). NEPS Technical Report for Weighting: Weighting the sample of Starting Cohort 4 of the National Educational Panel Study (Wave 1 to 6), NEPS Survey Paper No. 2, Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study.
- 2016 Steinhauer, H. W., Zinn, S., Gaasch, C., & Goßmann, S. (2016). NEPS Technical Report for Weighting: Weighting the sample of Kindergarten children and Grade 1 students of the National Educational Panel Study (Wave 1 to 3), NEPS Working Paper No. 66, Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study.
- 2015 Klabunde, A., Willekens, F., Zinn, S. & Leuchter, M. (2015). An Agent-Based Decision Model of Migration, Embedded in the Life Course - Model Description in ODD+D Format, MPIDR Working Paper WP-2015-002, Rostock: Max Planck Institute for Demographic Research.
- 2015 Zinn, S., Aßmann, C. & Würbach, A. (2015). Sampling and Weighting the Sample of the Adult Cohort of the National Educational Panel Study (Wave 2 to 5), Technical Report on SUF SC6 Version 5.0.0, Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study.
- 2015 Steinhauer, H. W., & Zinn, S. (2015). NEPS Technical Report for Weighting: Weighting the Sample of Starting Cohort 3 of the National Educational Panel Study (Waves 1 to 3), NEPS Working Paper No. 63, Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study.
- 2015 Aßmann, C., Zinn, S. & Würbach, A. (2015): Sampling and Weighting the Sample of the Early Childhood Cohort of the National Educational Panel Study (Waves 1 and 2), NEPS Technical Report on SUF SC1 Version 2.0.0, Bamberg: Leibniz Institute for Educational Trajectories.
- 2014 Zinn, S. and Würbach, A. (2014). A Statistical Approach to Account for Heaping Patterns: An Application to Self-Reported Income Data. NEPS Working Paper No. 40. Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study.
- 2013 S. Zinn (2013). An Imputation Model For Multilevel Binary Data, NEPS Working Paper No. 31, Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study.
- 2013 Aßmann, C., Steinhauer, H.W., Zinn, S, & Goßmann, S. (2013). Sampling and Weighting the Kindergarten Cohort Sample of the National Educational Panel Study, NEPS Working Paper No. 29, Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study.
- 2013 S. Zinn (2013). Replication Weights for the Cohort Samples of Students in Grade 5 and 9 in the National Educational Panel Study, NEPS Working Paper No. 27, Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study.

Konferenzen und Workshops

- 2014 Würbach, A. & Zinn, S. (2015). Estimation of a general heaping model via random-walk Metropolis algorithms. In H. Friedl & H. Wagner (Eds.), Proceedings of the 30th International Workshop on Statistical Modelling, Vol. 1.
- 2014 Steiniger, A., Uhrmacher, A.M., Zinn, S., Gampe, J., & Willekens, F. (2014). The Role of Languages for Modeling and Simulating Continuous-Time Multi-Level Models in Demography. In A. Tolk, S.D. Diallo, I. O. Ryzhov, L. Yilmaz, S. Buckley & J. A. Miller (Eds.), Proceedings of the 2014 Winter Simulation Conference.
- 2010 Zinn, S., Gampe, J., Himmelspach, J., & Uhrmacher, A.M. (2010). A DEVS Model for Demographic Microsimulation. In Spring Simulation Multi-Conference - Symposium on Theory of Modeling & Simulation - DEVS Integrative M&S Symposium (DEVS), 87-94, San Diego, 2010. SCS Publishing House.
- 2010 Ogurtsova, E., Gampe, J., & Zinn, S. (2010). Practical Population Forecasting by Microsimulation: Application of the MicMac Software. In Conference of European Statisticians, Joint Eurostat/UNECE Work Session on Demographic Projections (28-30 April 2010, Lisbon, Portugal), Item 12 - Stochastic techniques for demographic projections. United Nations Statistical Commission and Economic Commission for Europe, Statistical Office of the European Union (EUROSTAT).
- 2010 S. Zinn (2010). A Mate-Matching Algorithm for Continuous-Time Microsimulation Models. In Conference of European Statisticians, Joint Eurostat/UNECE Work Session on Demographic Projections (28-30 April 2010, Lisbon, Portugal), Item 12 - Stochastic Techniques for Demographic Projections. United Nations Statistical Commission and Economic Commission for Europe, Statistical Office of the European Union (EUROSTAT).
- 2009 Zinn, S., Himmelspach, J., Gampe, J., & Uhrmacher, A. M. (2009). Mic-core: A tool for Microsimulation. In Rossetti, M. D., Hill, R. R., Johansson, B., Dunkin, A., & Ingalls, R.G. (Eds.), Proceedings of the 2009 Winter Simulation Conference.
- 2009 Gampe, J., Zinn, S., Willekens, F., van der Gaag, N., de Beer, J., Himmelspach, J., & Uhrmacher, A.M. (2009). The Microsimulation Tool of the MicMac-Project. In 2nd General Conference of the International Microsimulation Association, Ottawa.

Software

- 2017 Multistate Modeling Extended by Behavioral Rules (Version 1.5.0). Mit Klabunde, A., Willekens, F., & Leuchter, M. CoMSES Computational Model Library. <https://www.comses.net/codebases/5146/releases/1.5.0/>
- 2016 R package MicSim: Performing Continuous-Time Microsimulation. <http://cran.r-project.org/web/packages/MicSim/index.html>
- 2015 Demographic Microsimulation for Individuals and Couples (Version 1.0.0). CoMSES Computational Model Library. <https://www.comses.net/codebases/4490/releases/1.0.0/>
- 2011 Software für das Projekt „Bridging the micro-macro gap in population forecasting (MicMac)“. <http://www.nidi.nl/en/research/al/micmac/software>

Präsentationen

International

- 2018 Workshop on Uncertainty and Complexity of Migration in London (Great Britain): „Do We Really Need Domain-Specific Modeling Languages in the Social Sciences? Some Lessons Learned“
- 2017 28th International Population Conference in Cape Town (South Africa): „Factors Driving Migration Decisions: Some Evidence from an Agent-based Model of International Migration“
- 2017 28th International Population Conference in Cape Town (South Africa): „Handling Missing Values in Longitudinal Survey Data: A Survey of Methods and an Example on Educational Development“
- 2017 7th Conference of the ESRA in Lissabon (Portugal): „Contrasting Prominent MNAR Methods for Analyzing Longitudinal Survey Data“
- 2016 Longevity Seminar Paris VI-Jussieu (LPMA-UPMC) in Paris (Frankreich): „Simulating Synthetic Life Courses of Individuals and Couples, and Mate Matching“
- 2015 30th International Workshop of Statistical Modeling in Linz (Österreich): „A General Heaping Model: Estimation via Random-Walk Metropolis Algorithms“, präsentiert von (Erstautorin) Ariane Würbach
- 2014 Workshop on Agent-Based Modelling in Population Studies in Leuven (Belgien): „Widening the Scopes of Demographic Microsimulation by Adding Components of Agent-Based Modeling“
- 2014 Conference of Population Association of America in Boston (USA): „Couples' Attitudes and the Transition to First Births in Germany“, präsentiert von (Erstautorin) Sandra Krapf
- 2014 ISA World Congress of Sociology in Yokohama (Japan): „A Multiple Imputation Approach To Address The Problem Of Nonignorable Nonresponse and Misreporting Patterns In Income Data“
- 2014 Workshop on Multistate Models: Bridging Biostatistics, Demography and Econometrics in Leiden (Niederlande): „Estimating Sojourn Time Distributions Using Microsimulation“
- 2013 Conference of the European Survey Research Association in Ljubljana (Slovenien): „Balanced Repeated Replication or Multi-Level Modeling: Some Evidence from the Fifth and the Ninth Grader Sample of the German National Educational Panel Study“
- 2013 Conference of the European Survey Research Association in Ljubljana (Slovenien): „A General Approach to Account for Heaping Patterns“, präsentiert vom (Zweitautor) Ariane Würbach
- 2013 Seminar at Centre for Population Change/EPSRC Care Life Cycle at University of Southampton (England): „Expanding the Scope of Microsimulation by Modeling and Simulating Inter-Individual Interaction“
- 2011 Workshop Multistate Event History Analysis at the Netherlands Interdisciplinary Demographic Institute (Niederlande): „Linked Lives in Multi-State Models: Matching Algorithms“

- 2010 Workshop Multistate Event History Analysis at the Netherlands Interdisciplinary Demographic Institute (Niederlande): „A Mate-Matching Algorithm for Continuous-Time Microsimulation Models“
- 2010 European Population Conference in Vienna (Österreich): „Mate-Matching in Continuous Time: An Algorithm for Microsimulation of a Two-Sided and Sequential Process“
- 2010 Joint Eurostat/ UNECE Work Session on Demographic Projections in Lisabon (Portugal): „A Mate-Matching Algorithm for Continuous-Time Microsimulation Models“
- 2010 Spring Simulation Conference in Orlando (USA): „A DEVS Model for Demographic Microsimulation“
- 2009 Winter Simulation Conference in Austin (USA): „Mic-Core: A Tool for Microsimulation“
- 2009 International Population Conference in Marrakesh (Marokko): „Case Studies of the MicMac Microsimulation Tool for Data from the Netherlands“
- 2009 General Conference of International Microsimulation Association in Ottawa (Kanada): „The Microsimulation Tool of the MicMac-Project“
- 2008 European Population Conference in Barcelona (Spanien): „Population Forecasting via Microsimulation - Software Design of the MicMac Project“

National

- 2019 4. Konferenz der Survey-Statistiker des deutschsprachigen Raums am Leibniz-Institut für Bildungsverläufe e.V. 2019 in Bamberg: „Multiple Imputation of Non-Ignorable Missing Data“, präsentiert von (Erstautorin) Angelina Hammon
- 2019 4. Konferenz der Survey-Statistiker des deutschsprachigen Raums am Leibniz-Institut für Bildungsverläufe e.V. 2019 in Bamberg: „Filter Patterns from Questionnaire Graphs: A Simple Example“, präsentiert von (Erstautorin) Katharina Stark
- 2019 4. Konferenz der Survey-Statistiker des deutschsprachigen Raums am Leibniz-Institut für Bildungsverläufe e.V. 2019 in Bamberg: „Linkage von administrativen Schuldaten mit den Erhebungsdaten des NEPS“, präsentiert von (Erstautorin) Uta Landrock
- 2019 4. Konferenz der Survey-Statistiker des deutschsprachigen Raums am Leibniz-Institut für Bildungsverläufe e.V. 2019 in Bamberg: „Paradaten zur Vorhersage von Panelattrition am Beispiel der NEPS SC1“, präsentiert von (Erstautorin) Ariane Würbach
- 2019 4. Konferenz der Survey-Statistiker des deutschsprachigen Raums am Leibniz-Institut für Bildungsverläufe e.V. 2019 in Bamberg: „Using Longitudinal Weights in Analyzing Complex Survey Data“, präsentiert vom (Erstautor) Hans Walter Steinhauer
- 2018 3rd International NEPS Conference am Leibniz-Institut für Bildungsverläufe e.V. 2018 in Bamberg: „Filter Patterns from Questionnaire Graphs: A Simple Example“, präsentiert von (Erstautorin) Katharina Stark
- 2018 Workshop „Sozialwissenschaftliche Simulationen und die Soziologie der Simulation“ 2018 in Erlangen: „Simulation partiell beobachtbarer Prozesse: Integration Agentenbasierter Simulationskomponenten in datengetriebene Mikrosimulationen“
- 2017 Statistische Woche in Rostock: „Sensitivity Analysis of Incomplete Data Models: an Application to Competence Development of Adolescent“

- 2017 4th Meeting of the LIfBi Scientific Advisory Board in Bamberg: „Modeling Competence Development in the Presence of Selection Bias“
- 2017 CIDER-LERN-Workshop in Berlin: „Using Heckman’s Two-Stage Approach to Model Competence Development of German Grade 5 Students in Mathematics“
- 2016 ALOP Microsimulation Workshop in Trier: „Multistate Modeling Extended by Behavioral Rules: An Example of Migration“
- 2016 NEPS Strategiesitzung Leibniz-Institut für Bildungsverläufe e.V. 2016 in Bamberg: „Fallzahlenentwicklung aller NEPS Startkohorten und Selektivitätsanalysen“
- 2016 3th Meeting of the LIfBi Scientific Advisory Board in Bamberg: „Current Information on NEPS: Panel Progress“
- 2014 Teamsitzung Leibniz-Institut für Bildungsverläufe e.V. in Bamberg: „Abschätzung von Designeffekten & Anwendung von Surveygewichten“
- 2014 Statistisch-ökonomisches Hauptseminar Universität Bamberg: „MicSim: My R Package for Population Projections“
- 2013 Treffen „Bildungsbericht“ 2013 am Leibniz-Institut für Bildungsverläufe e.V. in Bamberg: „Startkohort 2: Deskriptive Statistik (in aller Kürze)“
- 2013 Statistisch-ökonomisches Hauptseminar Universität Bamberg: „Design-Based Analytic Inference: A NEPS Use Case“
- 2009 Oberseminar der Arbeitsgruppe „Modellierung und Simulation“ des Instituts für Informatik der Universität Rostock in Drewitz: „Validation of MicMac microsimulation“
- 2009 Seminar der Arbeitsgruppe „Modellierung und Simulation“ des Instituts für Informatik der Universität Rostock in Rostock: „MicMac microsimulation - The long way to become a multi-agent-system“