



CURRICULUM VITAE

JÖRG DRECHSLER

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Personal information

Current position Head of the Department for Statistical Methods
Institute for Employment Research
Regensburger Str. 104, 90478 Nuremberg, Germany
(+49) 0911/179-4021
joerg.drechsler@iab.de

Professor of Statistical Science, Department for Statistics, Ludwig-
Maximilians-Universität, Munich

Associate Research Professor, Joint Program in Survey Methodology
University of Maryland

Education

10/2015 Habilitation in Statistics
Ludwig-Maximilians-Universität, Munich, Germany

12/2009 Ph.D. in Social Sciences (summa cum laude)
University of Bamberg, Germany

4/2006 Diploma in Business Administration
University of Erlangen-Nuremberg, Germany

08/1999 – 03/2004 Conservatory of Music Nuremberg-Augsburg
Field of study: Piano

Employment

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| 11/2023 – present | Institute for Employment Research (IAB) Head of the Department for Statistical Methods |
| 04/2024 – present | Department of Statistics, Ludwig-Maximilians-Universität, Munich Professor of Statistical Science (W3) |
| 07/2020 – present | Joint Program in Survey Methodology, University of Maryland Associate Research Professor |
| 07/2018 – 04/2024 | Fakultät für Sozialwissenschaften, Universität Mannheim Honorarprofessor |
| 07/2018 – 07/2020 | Joint Program in Survey Methodology, University of Maryland Adjunct Associate Professor |
| 04/2016 – 06/2018 | Joint Program in Survey Methodology, University of Maryland Adjunct Assistant Professor |
| 05/2022 – 10/2023 | Institute for Employment Research (IAB) Interim-head of the Department for Statistical Methods |
| 08/2015 – 10/2023 | Institute for Employment Research (IAB) Distinguished Researcher |
| 09/2012 – 09/2015 | Institute for Employment Research (IAB) Deputy Head of the Department for Statistical Methods |
| 04/2006 – 09/2012 | Institute for Employment Research (IAB) Researcher at the Department for Statistical Methods |
| 09/2011 – 03/2012 | Interim-Professor at Ludwig-Maximilians-University, Munich Department of Statistics |

Professional service

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| Advisory Committee, Journal of Survey Statistics and Methodology, 2024 – present |
| Associate Editor, Harvard Data Science Review, 2023 – present |
| Associate Editor, Transactions on Data Privacy, 2021 – present |
| Member of the Editorial Board, Journal of Privacy and Confidentiality, 2020 – present |
| Associate Editor, Wirtschafts- und Sozialstatistisches Archiv, 2019 – present |
| Associate Editor, Journal of the Royal Statistical Society, Series A, 2019 – 2022 |
| Associate Editor, Journal of Survey Statistics and Methodology, 2015 – 2020 |
| Associate Editor, Journal of Official Statistics, 2012 – 2019 |
| Guest Editor (with J.-F. Beaumont, S. Chaudhuri, M. Larsen, and P. Lahiri), Special Issue on Statistical Data Integration, Statistics in Transition New Series, 21,2020. |

Guest Editor (with N. Shlomo), Special Issue on Data Confidentiality and Disclosure Control, Journal of the Royal Statistical Society, Series A, 181, 2018

Member of the Executive Committee of the International Program in Survey and Data Science, 2018 – present

Scientific Advisory Board of the Research Data Centers of the Federal Statistical Office and the Statistical Offices of the Länder, Germany, 2018 – present

International Scientific Review Committee, UK Anonymisation Networks, 2014 – 2019

Scientific Program Committee, Current Trends in Survey Statistics, Singapore, August 2019

Program Committee, Privacy in Statistical Databases, 2012, 2014, 2016, 2018, 2020, 2022, 2024

Organizer, 4th IAB Workshop on Confidentiality and Disclosure – bridging approaches from statistics and computer science, 2011

Organizer, 3rd IAB Workshop on Confidentiality and Disclosure – SDC for Microdata, 2008

Proposal Reviewer: Alexander von Humboldt Stiftung, ASA/NSF/BLS Senior Research Fellowship, Deutsche Forschungsgemeinschaft (DFG), Economic and Social Research Council (ESRC), European Science Foundation (ESF), Fondazione Cassa di Risparmio di Padova e Rovigo, National Science Foundation (NSF)

Referee: Advances in Statistical Analysis, American Journal of Epidemiology, Annals of Applied Statistics, Bayesian Analysis, Biometrical Journal, Biometrika, BMC Research Notes, British Journal of Mathematical and Statistical Psychology, Computational Statistics and Data Analysis, Computer Methods and Programs in Biomedicine, Harvard Data Science Review, International Journal of Educational Research, International Journal of Geographical Information Science, International Journal of Population Data Science, International Statistical Review, Journal of Applied Statistics, Journal of Educational and Behavioral Statistics, Journal of Official Statistics (JOS), Journal of Privacy and Confidentiality (JPC), Journal of Research on Educational Effectiveness, Journal of Survey Statistics and Methodology (JSSAM), Journal of the American Statistical Association (JASA), Journal of the Royal Statistical Society (A), Methods, Data, Analysis (MDA), Metron, Neural Computing and Applications, Pattern Recognition Letters, Privacy in Statistical Databases (PSD), Psychological Methods, Public Opinion Quarterly, Sage Open, Scientific Reports, Sociological Methods and Research, Statistical Journal of the IAOS, Statistical Methods and Applications, Statistical Methods in Medical Research, Statistical Papers, Statistical Science, Statistics and Computation, Statistics in Medicine, Survey Research Methods, Transactions on Data Privacy (TDP), Wirtschafts- und Sozialstatistisches Archiv, Zeitschrift für Arbeits- und Organisationspsychologie

Grants and funded research

Federal Ministry of Education and Research: “Kompetenzcluster: Anonymität bei integrierten und georeferenzierten Daten (AnigeD)“ role: PI (with Rainer Lenz, Technische Hochschule Köln, Ulrich Rendtel, Freie Universität Berlin, Mario Martini, Deutsches Forschungsinstitut für öffentliche Verwaltung; Markus Zwick, Statistisches Bundesamt). €4,120,000 (€ 469,769 for the IAB).

Data Laboratory of the German Federal Ministry of Labour and Social Affairs: “Regelmäßige Bereitstellung von Geodaten“, 10/2022 – 12/2024, role: PI (with Martina Oertel, IAB). €670,409.

U.S. Census Bureau: “Towards an End-to-End Approach to Formal Privacy for Sample Surveys”, 09/2020 – 8/2025, role: PI (with Marco Gaboardi, Boston University; Kobbi Nissim, Georgetown University; Salil Vadhan, Harvard University), \$3,749,379 (\$789,513 for the University of Maryland)

United Nations University World Institute for Development Economics Research (UNU-WIDER): “Southern Africa – Toward Inclusive Economic Development (SA-TIED)”, 10/2019 – 12/2020, role: external consultant for a project to generate synthetic tax data.

Deutsche Forschungsgemeinschaft (DFG): “Enhancing the Quality and Utility of Longitudinal Data for Education Research”, 12/2018 – 11/2019, role: PI (with Joe Sakshaug, Institute for Employment Research). €129,106 (€115,356 for the IAB)

National Center for Educational Statistics: “Feasibility of Synthetic Data for Population-Averaged and Cluster-Specific Analyses by Researchers Utilizing Integrated State Longitudinal Data Systems”, 01/2016 – 06/2020, role: external consultant.

Deutsche Forschungsgemeinschaft (DFG): “Imputation and record linkage strategies for educational data collected from surveys and administrative sources”, 12/2015 – 11/2018, role: PI (with Joe Sakshaug, University of Manchester). €289,940 (€289,940 for the IAB)

Deutsche Forschungsgemeinschaft (DFG): “Imputation and weighting to address nonresponse in complex longitudinal educational surveys”, 05/2012 – 08/2015, role: PI (with Prof. Hans Kiesl, Hochschule Regensburg). €313,800 (€265,150 for the IAB)

European Commission: “BLUE-ETS BLUE-Enterprise and Trade Statistics,” 07/2010 – 07/2013, role: PI (with Stefan Bender, IAB). €2,666,250 (€90,000 for the IAB)

German Ministry for Education and Research: "InfiniT – Eine informationelle Infrastruktur für das ,E-Science Age," 05/2009 – 04/2012, role: PI. €1,290,000 (€161,640 for the IAB)

European Commission: "ESSNet on Statistical Disclosure Control," 2008. Commissioned to write report on synthetic data files, role: external consultant (with Josep Domingo-Ferrer and Silvia Poletti).

Awards & academic honors

Elected member of the International Statistical Institute, 03/2016

Wolfgang-Wetzel-Preis of the German Statistical Association for an excellent published paper of an early career researcher on statistical methods and their application, 09/2011

Gerhard-Fuerst-Preis of the German Federal Statistical Office for the best dissertation on a topic relevant for official statistics, 11/2010

E.ON Kulturpreis for the best dissertation at the University of Bamberg, 10/2010

Student paper award of the survey research methods section of the American Statistical Association, 08/2010

Publications

Peer-reviewed publications

Drechsler, J., & Haensch, A. C. (2024). 30 years of synthetic data. *Statistical Science*, Vol. 39, 221–242.

Drechsler, J., Kifer, D., Reiter, J., Slavković, A. (Eds.). (2024). *Handbook of Sharing Confidential Data: Differential Privacy, Secure Multiparty Computation, and Synthetic Data*. CRC Press.

Drechsler, J., Pauly, H. (2024) Das Reidentifikationspotenzial von strukturierten Gesundheitsdaten. *Bundesgesundheitsblatt*, Vol. 67, 164–170.

Latner, J., Neunhoeffer, M., Drechsler, J. (2024). Generating synthetic data is complicated: know your data and know your generator. *International Conference on Privacy in Statistical Databases*, Springer, Cham, 115–128.

Oganian, A., Drechsler, J., & Iqbal, M. (2024). Evaluating the Pseudo Likelihood Approach for Synthesizing Surveys Under Informative Sampling. *International Conference on Privacy in Statistical Databases*, Springer, Cham, 129–143.

Fössing, E., Drechsler, J. (2024). An Evaluation of Synthetic Data Generators Implemented in the Python Library Synthcity. *International Conference on Privacy in Statistical Databases*, Springer, Cham, 178–193.

Drechsler, J. (2023) Differential Privacy for Government Agencies—Are We There Yet?, *Journal of the American Statistical Association*, Vol. 118, 761–773.

Bun, M., Drechsler, J., Gaboardi, M., McMillan, A., Sarathy, J. (2022). Controlling privacy loss in sampling schemes: An analysis of stratified and cluster sampling. *3rd Symposium on Foundations of Responsible Computing (FORC 2022)*.

Drechsler, J. (2022): Challenges in Measuring Utility for Fully Synthetic Data. *International Conference on Privacy in Statistical Databases*. Springer, Cham, 220–233.

- Drechsler, J., Globus-Harris, I., McMillan, A., Sarathy, J., Smith, A. (2022): Non-parametric Differentially Private Confidence Intervals for the Median. *Journal of Survey Statistics and Methodology*, Vol. 10, 804–829.
- Hu, J., Drechsler, J., Kim, H. (2022): Accuracy Gains from Privacy Amplification Through Sampling for Differential Privacy, *Journal of Survey Statistics and Methodology*, Vol. 10, 688–719.
- Kim, H., Drechsler, J., Thompson, K. J. (2021): Synthetic Microdata for Establishment Surveys Under Informative Sampling, *Journal of the Royal Statistical Society, Series A*, 184, 255–281.
- Drechsler, J., Hu, J. (2020): Synthesizing Geocodes to Facilitate Access to Detailed Geographical Information in Large-Scale Administrative Data. *Journal of Survey Statistics and Methodology* (online first).
- Klein, B., Drechsler, J. (2020): Secure Matrix Computation: A Viable Alternative to Record Linkage? In: J. Domingo-Ferrer, K. Muralidhar (Eds.), *Privacy in Statistical Databases (Lecture Notes in Computer Science)*, Berlin: Springer, 240–254.
- Alam, M. J., Dostie, B., Drechsler, J., Vilhuber L. (2020): Applying Data Synthesis for Longitudinal Business Data across Three Countries, *Statistics in Transition New Series*, Vol. 21, S. 212–236.
- Speidel, M., Drechsler, J., Jolani, S. (2019): The R Package hmi: A Convenient Tool for Hierarchical Multiple Imputation and Beyond, *Journal of Statistical Software*, Vol. 95, No. 9, S. 1–48.
- Geßendorfer, J., Beste, J., Drechsler, J., Sakshaug, J. (2018): Statistical Matching as a Supplement to Record Linkage: A valuable method to tackle non-consent bias? *Journal of Official Statistics* Vol. 34, 909–933.
- Drechsler, J. (2018): Some Clarifications Regarding Fully Synthetic Data. In: J. Domingo-Ferrer & F. Montes (Eds.), *Privacy in Statistical Databases (Lecture Notes in Computer Science 11126)*, Berlin: Springer, 109–121.
- Speidel, M., Drechsler, J., Sakshaug, J. (2018): Biases in multilevel analyses caused by cluster-specific fixed effects imputation. *Behavior Research Methods*, Vol. 50, 1824–1840.
- Drechsler, J., & Kiesl, H. (2016): Beat the heap: An imputation strategy for valid inferences from rounded income data. *Journal of Survey Statistics and Methodology*, Vol. 4, 22–42.
- Drechsler, J., Kiesl, H., Speidel, M. (2015): MI Double Feature: Multiple Imputation to Address Nonresponse and Rounding Errors in Income Questions. *Austrian Journal of Statistics*, Vol. 44, 59–71.
- Drechsler, J. (2015): Multiple Imputation of Multilevel Missing Data – Rigor vs. Simplicity, *Journal of Educational and Behavioral Statistics*, Vol. 40, 69–95.
- Drechsler, J., Ronning, G., Bleninger, P. (2014): Disclosure Risk from Factor Scores. *Journal of Official Statistics*, Vol. 30, 107–122.
- Drechsler, J., Vilhuber, L. (2014): A first step towards a German SynLBD: Constructing a German Longitudinal Business Database. *Statistical Journal of the IAOS*, Vol. 30, 137–142.
- Drechsler, J., Vilhuber, L. (2014): Synthetic Longitudinal Business Databases for International Comparisons. In: J. Domingo-Ferrer (Ed.), *Privacy in Statistical Databases (Lecture Notes in Computer Science 8744)*, Berlin: Springer, 243–252
- Drechsler, J. (2012): New Data Dissemination Approaches in Old Europe – Synthetic Datasets for a German Establishment Survey. *Journal of Applied Statistics*, Vol. 39, 243–265.
- Drechsler, J., Reiter, J. P. (2012): Combining Synthetic Data with Subsampling to Create Public Use Microdata Files for Large Scale Surveys. *Survey Methodology*, Vol. 38, 73–79.
- Dorner, M., Drechsler, J., Jacobebbinghaus, P. (2012): Generating Useful Test Data for Complex Linked Employer-Employee Datasets. In: J. Domingo-Ferrer & I. Tinnirello (Ed.), *Privacy in Statistical Databases (Lecture Notes in Computer Science 7556)*, Berlin: Springer, 165–178.
- Drechsler, J. (2011): Synthetic Datasets for Statistical Disclosure Control: Theory and Implementation. *Lecture Notes in Statistics 201*, New York: Springer.

Drechsler, J. (2011): Multiple Imputation in Practice – A Case Study Using a Complex German Establishment Survey. *Advances in Statistical Analysis*, Vol. 95, 1–26.

Drechsler, J., Reiter, J. P. (2011): An empirical evaluation of easily implemented, nonparametric methods for generating synthetic datasets. *Computational Statistics & Data Analysis*, Vol. 55, 3232–3243.

Bleninger P., Drechsler, J., Ronning, G. (2011): Remote data access and the risk of disclosure from linear regression. *Statistics and Operations Research Transactions, Special Issue Privacy in Statistical Databases 2010*, 7–24.

Drechsler, J. (2010): Using Support Vector Machines for Generating Synthetic Datasets. In: J. Domingo-Ferrer & E. Magkos (Ed.), *Privacy in Statistical Databases (Lecture Notes in Computer Science 6344)*, Berlin: Springer, 148–161.

Bleninger, P., Drechsler, J., Ronning, G. (2010): Remote data access and the risk of disclosure from linear regression: An empirical study. In: J. Domingo-Ferrer & E. Magkos (Ed.), *Privacy in Statistical Databases (Lecture Notes in Computer Science 6344)*, Berlin: Springer, 220–233.

Drechsler, J., Reiter, J. P. (2010): Sampling with Synthesis: A New Approach for Releasing Public Use Census Microdata. *Journal of the American Statistical Association*, Vol. 105, 1347–1357.

Reiter, J. P.; Drechsler, J. (2010): Releasing Multiply-Imputed Synthetic Data Generated in Two Stages to Protect Confidentiality. *Statistica Sinica*, Vol. 20, 405–421.

Drechsler, J., Reiter, J. P. (2009): Disclosure Risk and Data Utility for Partially Synthetic Data: An Empirical Study Using the German IAB Establishment Survey. *Journal of Official Statistics*, Vol. 25, 589–603.

Drechsler, J., Bender, S., Rässler, S. (2008): Comparing Fully and Partially Synthetic Data Sets for Statistical Disclosure Control in the German IAB Establishment Panel. *Transactions on Data Privacy*, Vol 1, 105–130.

Drechsler, J., Dundler, A., Bender, S., Rässler, S., Zwick, T. (2008): A New Approach for Disclosure Control in the IAB Establishment Panel. *Multiple Imputation for a Better Data Access. Advances in Statistical Analysis*, Vol. 92, 439–458.

Drechsler, J., Reiter, J. P. (2008): Accounting for Intruder Uncertainty Due to Sampling When Estimating Identification Disclosure Risks in Partially Synthetic Data. In: J. Domingo-Ferrer & Y. Saygin (Ed.), *Privacy in Statistical Databases (Lecture Notes in Computer Science 5262)*, Berlin: Springer, 227–238.

Invited publications

Baillie, J., & Drechsler, J. (2024). Whose Data Is It Anyway? Towards a Formal Treatment of Differential Privacy for Surveys, Data Privacy Protection and the Conduct of Applied Research: Methods, Approaches and their Consequences, NBER.

Neunhoeffer, M., Latner, J., & Drechsler, J. (2024). On the Formal Privacy Guarantees of Synthetic Data, Data Privacy Protection and the Conduct of Applied Research: Methods, Approaches and their Consequences, NBER.

Drechsler, J. (2022). Herausforderungen bei der Anonymisierung – von der Pseudonymisierung über synthetische Daten zum Konzept der Differential Privacy, In J. Baas (Ed.), *Gesundheit im Zeitalter der Plattformökonomie*, Medizinisch Wissenschaftliche Verlagsgesellschaft mbH & Co, 80–88.

Drechsler, J. (2019). Multiple Imputation. In P. Atkinson, S. Delamont, A. Cernat, J.W. Sakshaug, & R.A. Williams (Eds.), *SAGE Research Methods*

Drechsler, J., Shlomo, N. (2018): Editorial for the special issue on data confidentiality and statistical disclosure control, *Journal of the Royal Statistical Society A*, Vol. 181, 607–608.

Drechsler, J. (2016): Discussion of the synthetic data papers published in the previous issue. *Statistical Journal of the IAOS*, Vol. 32, 271–274.

Drechsler, J. (2011): Improved Variance Estimation for Fully Synthetic Datasets. Invited paper for the Work Session on Statistical Data Confidentiality 2011 in Tarragona, Organizer: United Nations Statistical Commission und Economic Commission for Europe.

Drechsler, J. (2011): Erzeugung synthetischer Datensätze durch multiple Imputation: Theorie und Implementierung in der Praxis. *Wirtschaft und Statistik* 4/2011, 402–408.

Bleninger, P., Drechsler, J., Ronning, G. (2011): Disclosure Risk from Factor Scores in a Remote Access Environment. Invited paper for the Work Session on Statistical Data Confidentiality 2011 in Tarragona, Organizer: United Nations Statistical Commission und Economic Commission for Europe.

Drechsler, J. (2009): Synthetic Datasets for the German IAB Establishment Panel. Invited paper for the Work Session on Statistical Data Confidentiality 2009 in Bilbao, Organizer: United Nations Statistical Commission und Economic Commission for Europe.

Drechsler, J. (2009): Far from Normal: Multiple Imputation of Missing Values in a German Establishment Survey. Invited paper for the Work Session on Statistical Data Editing 2009 in Neuchâtel, Organizer: United Nations Statistical Commission und Economic Commission for Europe.

Domingo-Ferrer, J., Drechsler, J., Poletini, S. (2009): Report on Synthetic Data Files. Expertise for Eurostat.

Drechsler, J., Raghunathan, T. E. (2008): Evaluating Different Approaches for Multiple Imputation under Linear Constraints. Invited paper for the Work Session on Statistical Data Editing 2008 in Vienna, Organizer: United Nations Statistical Commission und Economic Commission for Europe.

Other publications

Drechsler, J., Bailie, J. (2024). The Complexities of Differential Privacy for Survey Data, Working Paper No. 32905. National Bureau of Economic Research.

Steffen, M., Körner, K., Drechsler, J. (2023): An overview of data protection strategies for individual-level geocoded data. Expert Meeting on Statistical Data Confidentiality 2021 in Wiesbaden, Organizer: United Nations Statistical Commission und Economic Commission for Europe.

Rashid, S., Drechsler, J., Mitra, R. (2021): Accounting for longitudinal data structures when disseminating synthetic data to the public. Expert Meeting on Statistical Data Confidentiality 2021 in Poznan, Organizer: United Nations Statistical Commission und Economic Commission for Europe.

Haensch, A., Drechsler, J., Bernhard, S. (2020): TippingSens: An R Shiny Application to Facilitate Sensitivity Analysis for Causal Inference Under Confounding.: IAB- Discussion Paper 29/2020.

Drechsler, J., Kiesl, H., Meinfelder, F., Raghunathan, T.E., Rubin, D.B., Schenker, N., Zell, E.R. (2019): Obituary for Susanne Rässler, *Journal of Official Statistics*, Vol. 35, 285– 286.

Drechsler, J., Jentzsch, N. (2018): Synthetische Daten: Innovationspotential und gesellschaftliche Herausforderungen, *Impulse* (Working Paper Series of the Stiftung Neue Verantwortung), (in German)

Soria-Comas, J., Drechsler, J. (2013): Evaluating the potential of differential privacy mechanisms for census data. Work Session on Statistical Data Confidentiality 2013 in Ottawa, Organizer: United Nations Statistical Commission und Economic Commission for Europe.

Drechsler, J. (2011): Synthetische Scientific-Use-Files der Welle 2007 des IAB- Betriebspanels, *FDZ-Methodenreport* No. 1. (in German)

Ronning, G., Bleninger, P., Drechsler, J., Gürke, C. (2010): Remote Access – Eine Welt ohne Mikrodaten??, *IAW Discussion Paper* No. 66. (in German)

Drechsler, J. (2009): Disclosure Control in Business Data – Experiences with Multiply Imputed Synthetic Datasets for the German IAB Establishment Survey. In: Proceedings of the Eurostat Conference on New Techniques and Technologies for Statistics (NTTS), Brussels.

Drechsler, J., Rässler, S. (2008): Does Convergence Really Matter? In: Shalabh & C. Heumann (Hrsg.), Recent Advances in Linear Models and Related Areas. Essays in Honour of Helge Toutenburg, (Statistical Theory and Methods, 15), Heidelberg: Physica-Verlag.

Kettner, A., Drechsler, J., Rebien, M.; Schmidt, K.; Smerdjieva, M.; Stops, M.; Vogler- Ludwig, K. (2007): Estimation of Vacancies by NACE and ISCO at Disaggregated Regional Level. IAB-Bibliothek, Vol 310.

Invited presentations

Some Challenges with Differential Privacy in Medicine (that Don't Exist in the Tech World), LMU Center of Applied Studies, Munich, 28.11.2024.

Differential Privacy - A Promising Privacy Concept for Surveys?, Webinar Series of the American Association of Public Opinion Research, online, 14.11.2024.

The Complexities of Differential Privacy for Survey Data, Small Area Estimation Conference 2023-24, Pontificia Universidad Católica del Perú, Lima, 06.06.2024.

Statistical Privacy in the 21st Century: Census and Consensus, Joint Statistical Meetings, American Statistical Association (ASA), Toronto, 07.08.2023.

Stylized Facts About Synthetic Data for the Social Sciences - An Illustration Using Data from the U.S. Economic Census, UCLA Synthetic Data Workshop, Los Angeles, 14.04.2023

Differential Privacy for Surveys - Some Results, More Challenges and Many Open Problems, IOF Workshop: Advancing Demographic Equity with Privacy Preserving Methodologies, Washington, D.C., 12.01.2023

Differential Privacy for Government Agencies - Are We There Yet?, S3RI Seminar, University of Southampton, virtual, 03.03.2022.

Some Common Misconceptions Regarding Imputation, Joint Statistical Meetings, American Statistical Association, virtual, 11.08.21

Differential Privacy for Geodata, World Statistical Congress, International Statistical Institute, virtual, 16.07.2021

Synthetic Microdata for Establishment Surveys under Informative Sampling – Application to the 2012 U.S. Economic Census, International Conference on Establishment Statistics, American Statistical Association, virtual, 16.06.2021

Differential Privacy for Government Agencies – Are We There Yet?, Bridging Privacy Definitions Working Group Meeting, Harvard University, virtual, 26.03.2021.

Differential Privacy for Government Agencies – Are We There Yet?, MPI-SP Seminar, Max-Planck-Institut for Security and Privacy, virtual, 13.11.2020.

Challenges with Differential Privacy for Statistical Agencies, Differential Privacy Workshop, United Nations Economic Commission for Europe, virtual, 30.10.2020.

The challenges of measuring the quality and privacy protection of synthetic data, RSS International Conference 2020, Royal Statistical Society, virtual, 07.09.2020.

A Simple Strategy for Detecting Biases from Linkage Failures When Merging Different Data Sources, Joint Statistical Meetings, American Statistical Association (ASA), virtual, 04.08.2020.

Discussion – Synthetic Data and Differential Privacy: Data, Privacy and the Public Good, Joint Statistical Meetings 2020, American Statistical Association (ASA), virtual, 04.08.2020.

Differential Privacy for Government Agencies – Some Things to Consider, (Differentially) Private Synthetic Data Workshop, Cardiff University, Cardiff, 11.12.2019

Differential privacy from a Statistical Perspective, World Statistical Congress 2019, International Statistical Institute, Kuala Lumpur, 19.08.2019.

Synthetic Microdata for Establishment Surveys Under Informative Sampling, Current Trends in Survey Statistics, National University of Singapore, Singapore, 16.08.2019.

Synthetic datasets for Statistical Disclosure Control – A Short Introduction, Workshop on Statistical Data Integration, National University of Singapore, Singapore, 05.08.2019.

Accounting for longitudinal data structures when disseminating synthetic data to the public, Joint Statistical Meetings 2019, American Statistical Association (ASA), Denver, 01.08.2019.

Differential Privacy from a Statistical Perspective – Obtaining valid inferences from differentially private microdata, Simons Institute Workshop "From Foundations to Applications", University of California, Berkeley, 07.03. 2019

Synthetic Longitudinal Business Databases for International Comparisons, Conference of European Statistics Stakeholders 2018, Eurostat, Bamberg, 19.10.2018

Nonparametric Multiple Imputation for Bridging Between Different Industry Coding Systems, Joint Statistical Meetings 2018, American Statistical Association, Vancouver, 30.07.2018

Valid Inferences from Differentially Private Microdata – Some thoughts and illustrations using geocoded administrative data, Statistical Group Guest Speaker Lunch Talk, Westat, Rockville, 13.06.2018

Multiple Imputation – Why and How, Tutorial as part of a Two-day Seminar on Data Quality, Mexican National Institute of Statistics and Geography, Guanajuato, 27.10.2017

Imputation for Item Nonresponse – Some Common Misconceptions, Tutorial as part of a Two-day Seminar on Data Quality, Mexican National Institute of Statistics and Geography, Guanajuato, 26.10.2017

Experiences with Differentially Private Geocoded Administrative Data, Joint Statistical Meetings 2017, American Statistical Association, Baltimore, 02.08.17.

Generating synthetic geocoding information for public release, Seminar, Cambridge University, Cambridge, 01.12.2016

My View on the Key Research Questions for Synthetic Data, Synthetic Data Workshop, Cambridge University, Cambridge, 31.10.2016.

A short introduction to synthetic data for statistical disclosure control, European Data Access Forum, (DwB) – Data without Boundaries, Luxemburg, 24.03.2015.

Synthetic Data – Where do we come from? Where do we want to go?, Synthetic Data Workshop, Office for National Statistics, Titchfield, UK, 01.12.2014.

Sampling with Synthesis – A New Approach for Releasing Public Use Census Microdata, Demographic Statistical Methods Division Seminar, U.S. Census Bureau, Washington, D.C, 12.03.2014.

Three reasons to analyze fully synthetic datasets from the partially synthetic data perspective, Conference on Applications of Missing-Data Procedures, Otto-Friedrich- Universität Bamberg, Bamberg, 20.06.2013.

Multiple Imputation for correcting rounding errors in heaped income data, Recent advances in multiple imputation, Utrecht University, Utrecht, 16.05.2013.

Synthetic Datasets for Statistical Disclosure Control – A Personal Appraisal, Seminar at the Centre for Statistical & Survey Methodology at the University of Wollongong, Wollongong, 18.05.2012.

Innovative Data Access Strategies – Synthetic data with a touch of Remote Access, Seminar of the Methodology and Data Management Division of the Australian Bureau of Statistics, Canberra, 15.05.2012.

Innovative Methods for Statistical Disclosure Control, Micro Data Access – Internationale und nationale Perspektiven – 20. Wissenschaftliches Kolloquium des Statistischen Bundesamts, Wiesbaden, 10.11.2011

Improved variance estimation for fully synthetic datasets, work session on data confidentiality 2011, United Nations Statistical Commission und Economic Commission for Europe, Tarragona, 27.10.2011.

Der Armut auf der Spur – Multiple Imputation zur Reduktion von Verzerrungen in der aktuellen Armutsforschung, Tagung des Arbeitskreises „Fragen der mathematischen Methodik“, Statistisches Bundesamt, Wiesbaden, 22.06.2011.

Synthetic Datasets: A Brief Introduction and Some Personal Experience, Data Confidentiality Symposium, CSIRO, Sydney, 18.01.11.

Data Wars – The Agency Strikes Back, 3rd Workshop on Analysis of Incomplete Data, Universität Bamberg, 13.12.09.

Synthetic Datasets for the German IAB Establishment Panel, work session on data confidentiality 2009, United Nations Statistical Commission und Economic Commission for Europe, Bilbao, 03.12.2009.

Data Wars – The Agency Strikes Back, University of Michigan, Ann Arbor, 17.11.2009. Data Wars – The Agency Strikes Back, Harvard University, Cambridge, 12.11.2009.

Far from Normal: Multiple Imputation of Missing Values in a German Establishment Survey, Work Session on Statistical Data Editing 2009, United Nations Statistical Commission und Economic Commission for Europe, Neuchâtel, 06.10.09.

Far from Normal: Multiple Imputation of Missing Values in a German Establishment Survey, 2nd Workshop on Analysis of Incomplete Data, Universität Bamberg, 02.10.09.

New Data Dissemination Approaches in Old Europe – Synthetic Datasets for a German Establishment Survey, NSF-Census-IRS Workshop on Synthetic Data and Confidentiality Protection 2009, Cornell University /U.S. Census Bureau, Washington, D.C., 31.07.09.

Synthetic Datasets from Census Data: Data Quality Improvement for Public Use Micro Data Samples, 1st Workshop on Analysis of Incomplete Data, Universität Bamberg, 26.03.09.

Multiple Imputation for Protecting Data Confidentiality: Applications by the German Institute for Employment Research, Joint Statistical Meetings 2008, American Statistical Association, Denver, 06.08.08.

Evaluating Different Approaches for Multiple Imputation Under Linear Constraints, Work Session on Statistical Data Editing 2008, United Nations Statistical Commission und Economic Commission for Europe, Wien, 22.04.08.

A New Approach for Disclosure Control in the IAB Establishment Panel – Multiple Imputation for a better Data Access, Work Session on Statistical Data Editing 2006, United Nations Statistical Commission und Economic Commission for Europe, Bonn, 26.09.06.

Teaching and Training

Generating Synthetic Data for Statistical Disclosure Control, a two-day short course held in Australia (2012), England (2014, 2017), Germany (2018), South Africa (2019), Japan (2020)

Workshop on Synthetic Data, Half-day workshop as part of the European Courses in Advanced Statistics on Statistical Disclosure Control, Bruz, winter 2018

Multiple Imputation – Why and How, Online course for the International Program in Survey and Data Science, winter 2018, winter 2019, winter 2020, winter 2021, winter 2022, fall 2023, winter 2024

Item Nonresponse and Imputation, Online course for the International Program in Survey and Data Science, fall 2017, fall 2018, fall 2019, fall 2020, summer 2022, summer 2024

Synthetic Datasets for Statistical Disclosure Limitation, Continuing Education Course at the 2017 Joint Statistical Meetings sponsored by the American Statistical Association, Baltimore, summer 2017 (with Jerry Reiter, Duke University)

Analyzing Survey Data, graduate program of the Institute for Employment Research, spring 2017, fall 2017, fall 2018, fall 2019, spring 2021, fall 2021, fall 2022, fall 2023, fall 2024

Synthetic Data – Balancing Confidentiality and Quality in Public Use Files, short course sponsored by the Joint Program in Survey Methodology, Washington, D.C., summer 2016, summer 2018, fall 2019, spring 2021, winter 2022, winter 2023, winter 2024 (with Jerry Reiter, Duke University)

Data Confidentiality and Statistical Disclosure Control – Problems with traditional approaches and alternatives based on synthetic data, Online course for the International Program in Survey and Data Science, spring 2016, spring 2017, spring 2018, spring 2019, spring 2020, spring 2021, spring 2023

Multiple Imputation for Missing Data – Theory and Application, Short course sponsored by GESIS, Mannheim, spring 2016, winter 2017/2018

Missing Data and Imputation, LMU Munich, summer 2024

Data Privacy and Data Confidentiality, LMU Munich winter 2024/2025

Grundlegende Methoden der Sozialstatistik B, LMU Munich, summer 2012, summer 2014, summer 2015, winter 2017/2018, winter 2018/2019

Statistisches Praktikum, LMU Munich, summer 2012

Grundlegende Methoden der Sozialstatistik A, LMU Munich, winter 2011/2012, summer 2017, summer 2018, summer 2019

Applications and Extensions of Multiple Imputation for Survey Research, LMU Munich, winter 2011/2012

Einführung in die induktive Statistik, LMU Munich, winter 2011/2012

Missing data and imputation, LMU Munich, summer 2011

Missing data and imputation, graduate program of the Institute for Employment Research, winter 2010/2011