

Curriculum Vitae



Ulrich Rendtel

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Occupation

- Since 2003: Professor of Statistics at the economic department of the Freie Universität Berlin.
- 1995–2003: Professor of Statistics at the Economic Faculty of the Goethe-Universität Frankfurt/Main
- 1986–1995 : Senior Researcher at the German Institute for Economic Research (DIW), member of the project group "The Socio economic panel" (SOEP). Research topics: Analysis of panel attrition, panel effects, weighting schemes for panel surveys, estimation of econometric panel models, statistical consulting
- 1980–1985: Research assistant at the department of Applied Statistics at the Freie Universität in Berlin. DFG research project on statistical quality control ("Adaptive Bayesian sampling routines")

Education

- 1972–1979: Study of Mathematics at the Freie Universität Berlin. Minor subject: Physics
- 1985 : Doctorial thesis at the department of economics at the Freie Universität Berlin. Title of the thesis: "Generalized CUSUM schemes and their application in acceptance sampling".
- 1994: Habilitation at the economic department of the Freie Universität Berlin. Title of habilitation: "The Analysis of Panel Data under Panel Attrition. Theory and Empirical Findings for the Socio Economic Panel (SOEP)".

Research Interests and Projects

- Topics: Panel surveys, nonresponse and attrition, measurement error, imputation, weighting and calibration
- Data Sets: German Socio Economic Panel (SOEP), European Community Household Panel (ECHP), European Statistics on Income and Living Conditions (EU SILC) , German Microcensus
- Projects:
 - CHINTEX (2000-2003) under EU 5th–Framework programme :
"CHange from INput harmonisation To EX-post harmonisation in the national subsamples of the European community household panel". Joint project with Stat. Bundesamt, Univ. Essex, CEPS Luxembourg, DIW, Statistics Finland.
Project results under: www.destatis.de/CHINTEX/
 - MZ-Panel (2004-2006): Joint project with Stat. Bundesamt, LDS NRW and ZUMA (GESIS) financed by BMBF and the German Research Agency (DFG): The Use of the German Microcensus as a Panel.
Project results under: www.destatis.de/mv/mzpanel_start.htm
 - Access Panels (ongoing since 2008): DFG Priority Program Survey Methodology (www.survey-methodology.de)

Regular courses at university

- Statistics I and II (Mandatory courses at the Economic Faculty)
- Statistical Modelling (Generalized Linear Models and Analysis of Contingency Tables)
- Computer based Statistics (Introduction to SAS and R)
- Multivariate Statistics
- Advanced Statistics (ML- Estimation and Testing)
- Survey statistics (Introduction into sampling techniques in finite populations)
- Advanced survey statistics (Calibration, Nonresponse, Variance estimation)

Teaching Projects

- Project "Neue Statistik" and "Statistical Lab"
www.statistiklabor.de
Award of the Medida-Prix 2003 (www.medidaprix.org)
- Deployment of the Statistical Lab for the basic courses in Statistics:
Ghosh/Rendtel (2008): Unterrichten und Prüfen mit dem Statistiklabor. Ein Erfahrungsbericht. ASTA WIRTSCHAFTS- u. SOZIAL-STATISTISCHES ARCHIV, 2, 145–164.
- Project E-examinations (Digital Facilities for examination and teaching) (Start 2007).
www.e-examinations.fu-berlin.de
- Statistical Consulting Unit **fu:stat**:
Start in 2008. Internal and external statistical consulting. www.stat.fu-berlin.de
- Joint Berlin Master Program in Statistics: Since 2008
www.stat.de
- Joint Master Program on Survey Statistics with Universities Bamberg and Trier. Since Winter Term 2010/11

Other Activities

- Editorial board of "ASTA ADVANCES in STATISTICAL ANALYSIS"
(www.springer.com/statistics/journal/10182)
Special issue on Nonresponse and Measurement Error: ASTA, Vol. 90 (4).
- Editorial board of "ASTA WIRTSCHAFTS- u. SOZIALSTATISTISCHES ARCHIV"
(www.springer.com/statistics/business/journal/11943)
Special issue on Education: Vol. 2 (1+2)
- Chairman of the Section "EDUCATION and OCCUPATIONAL TRAINING" of the German Stat. Society
- Elected member of the German "COUNCIL of SOCIAL and ECONOMIC DATA" (www.ratswd.de)
- Member of Intern. Stat. Institute (ISI), German Stat. Society
- Docent at the University of Helsinki, Institute of Social Statistics
- Research Professor at the DIW
- Consultation of the German Census 2011 (together with Ralf Münnich (Trier) and Siegfried Gabler (Mannheim))

Selected Articles and Monographs

Rendtel, U. 2015: Is there a fade-away effect of initial nonresponse bias in EU-SILC? Discussion Paper Economics 2015/25 FB Wirtschaftswissenschaft FUB

http://edocs.fu-berlin.de/docs/receive/FUDOCS_document_000000022956

Groß, M.; Rendtel, U. 2015: Kernel Density Estimation for Heaped Data. Accepted in Journal of Survey Statistics and Methodology (Discussion Paper Economics 2015/27 FB Wirtschaftswissenschaft FUB

http://edocs.fu-berlin.de/docs/receive/FUDOCS_document_000000023061)

- Groß, M.; Rendtel, U.; Schmid, T.; Schmon, S.; Tzavidis, N.* 2015: "Estimating the density of ethnic minorities and aged people in Berlin: Multivariate kernel density estimation applied to sensitive geo-referenced administrative data protected via measurement error" Accepted in Journal Royal Stat. Soc. Series A (Discussion Paper Economics 2015/7 FB Wirtschaftswissenschaft FUB
http://edocs.fu-berlin.de/docs/receive/FUDOCs_document_000000021963)
- Rendtel, U.* 2015: Warum im Zensus die Ergebnisse der Stichprobenmethode keine Benachteiligung der großen Gemeinden darstellen. Eine Detektivarbeit. ASTA Wirtschafts- und Sozialstatistisches Archiv 9 , 233 – 249 Doi 10.1007/s11943-015-0172-y
- Ghosh, A.; Rendtel, U.* 2014: Unterrichten und Prüfen mit dem Statistiklabor: Ein Erfahrungsbericht, In: Huber, Pilniok, Sethe, Szczyrba, Vogel (Hg.) Forschendes Lernen im Eigenen Fach, Bertelsmann, Bielefeld, 73–92
- Rendtel, Ulrich* 2014: Vom potenziellen Datenangreifer zum zertifizierten Wissenschaftler - Für eine Neugestaltung des Wissenschaftsprivilegs beim Datenzugang; ASTA Wirtschafts- und Sozialstatistisches Archiv 8 , 183 – 197 Doi 10.1007/s11943-014-0148-3
- Rendtel, Ulrich; Amarov, Boyko* 2014: The Access Panel of German Official Statistics as a Selection Frame, In: Engel, Jann, Lynn, Scherpenzeel, Strugis (eds): Improving Survey Methods, Taylor & Francis / Routledge, Chapter 20, 236–249
- Amarov, Boyko; Rendtel, Ulrich* 2013: The Recruitment of the Access Panel of German Official Statistics from a Large Survey in 2006: Empirical Results and Methodological Aspects, Survey Research Methods, 7, 103–114
- Rendtel, Ulrich* 2013: The fade-away effect of initial nonresponse in panel surveys: Empirical results for EU-SILC. Eurostat Methodologies and Workingpapers (ISSN 1977-0375) Edition 2013, doi:10.2785/21863
- Rendtel, Ulrich* 2012a: Editorial. ASTA Wirtschafts- und Sozialstatistisches Archiv, 5, 249–251.
- Rendtel, Ulrich* 2012b: Die Zukunft der Statistik: Eine persönliche Betrachtung. ASTA Wirtschafts- und Sozialstatistisches Archiv, 5, 253–267.

- Rendtel, Ulrich* 2011: The Future of Statistics - A Personal View (Die Zukunft Der Statistik: Eine Persönliche Betrachtung - In German) RatSWD Working Paper No. 166. Available at <http://ssrn.com/abstract=1748410> or <http://dx.doi.org/10.2139/ssrn.1748410>
- Amarov, Boyko; Rendtel, Ulrich* 2009: The Access Panel of German Official Statistics. An Analysis of Recruitment, Attrition and Survey Nonresponse 2005-2006, Unpublished manuscript.
- Rendtel, Ulrich; Harms, Torsten* 2008: Weighting and calibration for household panels, In: (P. Lynn, ed.) "Methodology of Longitudinal Surveys", 265–286, Wiley.
- Pyö-Martikainen, Marjo; Rendtel, Ulrich* 2009: Measurement Errors in Retrospective Report of Event Histories. A Validation Study with Finnish Register Data. *Survey Research Methods*, 3, 139–155
- Rendtel, Ulrich* 2009: Teaching and Statistical Training, Working Paper No. 81, German Council for Social and Economic Data RatSWD, Berlin, www.ratswd.de/download/RatSWD_WP_2009/RatSWD_WP_81.pdf
- Rendtel, Ulrich* 2008: Editorial. *ASTA Wirtschafts- und Sozialstatistisches Archiv*, 2, 1–4.
- Rendtel, Ulrich* 2008: Statistikausbildung und Amtliche Statistik. Kritik und Perspektiven. *ASTA Wirtschafts- und Sozialstatistisches Archiv*, 2, 5–20.
- Ghosh, Amit; Rendtel, Ulrich* 2008: Unterrichten und Prüfen mit dem Statistiklabor: Ein Erfahrungsbericht. *ASTA Wirtschafts- und Sozialstatistisches Archiv*, 2, 145-164.
- Pyö-Martikainen, Marjo; Rendtel, Ulrich* 2008: Assessing the impact of initial nonresponse and attrition in the analysis of unemployment duration with panel surveys, *Advances in Statistical Analysis*, 92, 297-318.
- Basic, Basic; Rendtel, Ulrich* 2007: Assessing the bias due to non-coverage of residential movers in the German Microcensus Panel: an evaluation using data from the Socio-Economic Panel. *Advances in Statistical Analysis*, 91, 311-334.
- Rendtel, Ulrich* 2006: The 2005 Plenary Meeting on "Missing Data and Measurement Error", *Allgemeines Statistisches Archiv*, 90, 493-499.

- Basic, Edin; Marek, Ivo; Rendtel, Ulrich* 2005: The German Microcensus as a Tool for Longitudinal Data Analysis. An Evaluation Using SOEP Data. Schmollers Jahrbuch - Journal of Applied Social Science Studies. Vol. 125 , 167-181
- Behr, Andreas; Bellgardt, Egon; Rendtel, Ulrich* 2005: Extent and Determinants of Panel Attrition in the European Community Household Panel. European Sociological Review. Vol. 21, 489-512
- Rendtel, U.* 2005: Wie geeignet ist der Mikrozensus (MZ) für Längsschnittanalysen?, MZ-Panel Arbeitspapier Nr.7, <http://www.destatis.de/download/d/mv/arbeitspapier7.pdf>
- Rendtel, U.* 2005): A Markov Model for the Decline of Initial Nonresponse Bias in a Panel Survey, Bulletin of the ISI 55th Session, Contributed Papers, Volume LXI, Book 2,
- Behr, A.; Bellgardt, E.; Rendtel, U.* 2004: The Effect of Panel Attrition on Measures of Income Inequality and Change in the European Community Household Panel User Data Base (ECHP UDB). In: Ehling/Rendtel (Hrsg.): Harmonisation of Panel Surveys and Data Quality, Statistisches Bundesamt, Wiesbaden, S. 220-234
- Ehling, M.; Rendtel, U.* 2004: Harmonisation of Panel Surveys and Data Quality- Introduction, In: Ehling/Rendtel (Hrsg.): Harmonisation of Panel Surveys and Data Quality, Statistisches Bundesamt, Wiesbaden, S. 5-7
- Harms, T.; Rendtel, U.* 2004: Bias Correction by Calibration on Longitudinal Change-Patterns, In: Ehling/Rendtel (Hrsg.): Harmonisation of Panel Surveys and Data Quality, Statistisches Bundesamt, Wiesbaden, S. 248-267
- Marek, I.; Rendtel, U.* 2004: Attrition Bias Correction by Sample Selection Models, In: Ehling/Rendtel (Hrsg.): Harmonisation of Panel Surveys and Data Quality, Statistisches Bundesamt, Wiesbaden, S. 268-278
- Nordberg L.; Rendtel, U.; Basic, E.* 2004: Measurement Error of Survey and Register Income In Ehling/Rendtel (Hrsg.): Harmonisation of Panel Surveys and Data Quality, Statistisches Bundesamt, Wiesbaden, S. 65-88
- Pyö-Martikainen, M.; Rendtel, U.* 2004: The Analysis of Unemployment Duration under Panel Attrition. Empirical Evidence for Finland, In:

- Ehling/Rendtel (Hrsg.): Harmonisation of Panel Surveys and Data Quality, Statistisches Bundesamt, Wiesbaden, S. 235-247
- Rendtel, Ulrich ; Kaltenborn, Ulrich* 2004: The Stability of Simulation based Estimation of the Multiperiod Multinomial Probit Model with Individual specific Covariates; Diskussionsbeiträge des Fachbereichs Wirtschaftswissenschaft der FU Berlin (Volkswirtschaftliche Reihe) 2004/05, Berlin.
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<http://www.destatis.de/chintex/download/paper22.pdf>
- Rendtel, U.; Nordberg, L.; Jäntti, M.; Hanisch, J.; Basic, E.* 2004 : Report on quality of income data, CHINTEX working paper No. 21,
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- Behr, A.; Bellgardt, E.; Rendtel, U.*(2003): The estimation of male earnings under panel attrition. A cross country comparison based on the European Community Household Panel, CHINTEX working paper No.11
<http://www.destatis.de/chintex/download/paper11.pdf>
- Behr, A.; Bellgardt, E.; Rendtel, U.* (2003): Comparing poverty, income inequality and mobility under panel attrition. A cross country comparison based on the European Community Household Panel. CHINTEX working paper No.12
<http://www.destatis.de/chintex/download/paper12.pdf>
- Ehling, M.; Rendtel, U.* (2003): Synopsis. Research Results of Chintex - Summary and Conclusions. CHINTEX Synopsis,
<http://www.destatis.de/chintex/download/synopsis.pdf>
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- Behr, A.; Bellgardt, E.; Rendtel, U.*(2002): Extent and determinants of panel attrition in the European Community Household Panel, CHINTEX working paper No.7
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- Hanisch, J.; Rendtel, U.* 2002: Quality of Income Data from Panel Surveys with Respect to Rounding, Wiesbaden, Statistisches Bundesamt, CHINTEX Working paper No. 6,
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- Rendtel, Ulrich* 2002: Attrition in Household Panels: A Survey, CHINTEX Working paper No. 4,
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- Schimpl-Neimanns, Bernhard; Rendtel, Ulrich* 2001: SAS-, SPSS- und STATA-Programme zur Berechnung der Varianz von Populationsschätzern im Mikrozensus ab 1996. ZUMA-Methodenbericht 2001/04, Mannheim
- Rendtel, Ulrich; Schimpl-Neimanns, Bernhard* 2001: Die Berechnung der Varianz von Populationsschätzern im Scientific Use File des Mikrozensus. ZUMA Nachrichten, 48, S. 85–116.
- Rendtel, U.; Lehtonen, R.* (2000) Research plan of the work-package "panel effects" in the CHINTEX project.
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Heft Zukunft der Statistik ASTA Wirtschafts- und Sozialstatistisches Archiv, 5, (2012)

Ausbildungsheft, ASTA Wirtschafts- und Sozialstatistisches Archiv, 2, (2008)

Special issue on Missing Data and Measurement Error, Allgemeines statistisches Archiv, 90, (2006)

Harmonisation of Panel Surveys and Data Quality (Co-editor Manfred Ehling), Statistisches Bundesamt, Wiesbaden, (2004)