

# CURRICULUM VITAE

## Peter Lugtig



[p.lugtig@uu.nl](mailto:p.lugtig@uu.nl)

+31 612697816

<http://www.peterlugtig.com>

### ACADEMIC POSITIONS

---

#### **Associate Professor**

Department of methods and statistics, Utrecht University, 2016 - present

#### **Research Associate**

Institute for Social and Economic Research, University of Essex, 2015-present

#### **Senior Research Officer**

Institute for Social and Economic Research, University of Essex, 2012-2015

#### **Assistant Professor**

Department of methods and statistics, Utrecht University, 2011-2015  
(seconded 2012-2015 to University of Essex)

#### **Ph.D. student and lecturer**

Department of methods and statistics, Utrecht University, 2006-2011

### SPECIALTIES

---

#### **Data quality:**

- Components of data quality, analysis in designed data and Big Data
- Models for estimating components of data quality in surveys
- Longitudinal surveys
- Mixed-mode and mixed-device surveys
- Smartphone surveys and sensor measurements
- Use of Big data in combination with designed data.

#### **Methods and statistics of social science research:**

- choosing research designs: appropriate method of analysis to answer a research question including experiments (randomized control), quasi-experiments (matching, weighting) and non-experiments (surveys). I am particularly interested in the methodology of collecting and analysing panel survey data and sensor data collected with smartphones
- statistics: (propensity score) matching, multivariate statistics, Structural Equation Models, multilevel models, survival models and mixtures of these.
- Data collection with web surveys and smartphones (apps)
- Combining spatial data (GIS), administrative data, and audit trail data with survey data
- teaching social science research methodology and statistics

## MAJOR COLLABORATIONS and PROJECTS

---

Special advisor to the European Social Survey on the transition to self-administration, (2022-present). <https://www.europeansocialsurvey.org>

The European Social Survey (ESS) is the largest European Research Infrastructure in the social sciences. Historically, the survey has been carried out every two years in about 30 countries using face-to-face interviewing. The ESS is planning to move to self-completion as the interview mode. I advise them on issues regarding the effects on data quality; in particular effects on comparability of ESS data across time, and between countries. I also carry out analytical work on existing experimental data, and advise them on data collection procedures.

Coordinator at Utrecht University of the Data Collection Innovation Network (2016-present)

A joint research program by Utrecht University and Statistics Netherlands into innovations in data collection (mobile phones, big data, integration of data sources), <https://win.sites.uu.nl> In this project Statistics Netherlands and the data quality group at Utrecht University collaborate on innovations in data collection. I lead and coordinate the efforts from the UU. The collaboration has led to 3 joint Ph.D. students, numerous publications, 2 large European grants, and has impacted how Statistics Netherlands, and other National Statistical Institutes collect data; in particular for studies that have previously used diary (household budget, time use, travel). Within the UU I lead the data quality group consisting of 3 assistant professors, and several postdocs/Ph.D. students.

Member of the European Master in Official Statistics governing board (2021-present). European commission/Eurostat.

Utrecht University is one of about 30 universities offering a Master programme awarded with the label 'European Master of Official Statistics'. I have coordinated this programme in Utrecht from 2017, and since 2022 have been a member of the EU governing board. The board consists of 4 representatives of universities and national statistical institutes. Together we take the decision on the accreditation and renewal of EMOS labels, and we try to advance the programme (e.g. by setting up exchange programmes, sharing of materials, webinars).

Director of Education, department of Methods and Statistics, Utrecht University (2021-present)

- Chair of the Education Management Team. Discuss staffing of courses, adjust courses based on evaluations from students and fellow teachers, develop new policies.
- Member of the General Management Team of the department.
- Manager of 9 staff members with an exclusive teaching role. Performance and development conversations, coaching.
- Leadership of the educational content of the department, and staffing.
- Member of the Board of Studies Undergraduate School FSW.
- Contact person for other educational directors of other programmes where the M&S department teaches, examination committee, support staff
- Member of the visitation committee for the Research Master Child Development and Education (UvA), 2023,
- selection committee for the new Director of Education for Professionals at FSW, 2023.
- Started and completed educational change within the M&S department:
  - Transition to the use of open software in all education
  - Use of more formative assessment instead of summative assessment in bachelor courses.
  - Organization of new courses around Applied Data Science (minor AI, profile within Graduate School of Life/Natural Sciences)
  - Organization of new courses within the Utrecht Summer School, such as on Machine Learning, Python. This includes online courses.

## GRANTS and AWARDS

---

ZONMW pandemic preparedness funding 'Beprepared' – 2023-2025. Consortium to improve pandemic Preparedness. Total funding: €1.500k, of which 90k personal. Workpackage leader on methodology (PI: Marijn de Bruin, Radboud University)

NWO large scale infrastructure grant for 'Social Science and Humanities. 2024-2028. Open Cloud for the Netherlands (SSHOC-NL) project for ODISSEI/Clariah. Total funding €15.700k, of which €525k personal. I lead WP 4.3 on Reconciliation and Linkage Quality.

Europe Single Market Grant for project 'Smart Survey Implementation' (grant no. 101119594). 2023-2025. Total funding €2.200k, of which €240k personal. January 2024 (PI: Statistics Netherlands). I lead workpackage 2 on methodology.

Understanding Society Fellowship for dr. Camilla Salvatore. 2023-2024. Total funding: 70k. I serve as mentor of dr. Salvatore

National Roadmap for Large-Scale Research Infrastructure. 2019-2020.  
Open Data Infrastructure for Social Science and Economic Innovations (ODISSEI) 4-year grant for the development of an infrastructure for computational social sciences. €9.300k of which €100k personal. I lead a workpackage on the data quality of citizen science. May 2020 (Principal Investigator: Pearl Dykstra, Erasmus University)

ESSNET 'Smart Surveys' (Eurostat grant). 2019-2022. 2-year project on using apps in data collection for official statistics. Total funding €900k. I participate in workpackage 2. (PI: Barry Schouten, Statistics Netherlands).

ZonMW Middelgroot: Ten Years Up: Self-regulation in progress (10YUP). 2018-2020. 2-year grant to set up a new cohort study of adolescents who will be followed over time. €156k. I participate in the project as Co-I. (PI: Denise de Ridder, Utrecht University)

Innovation grant, Utrecht University focus area institutions. 2017-2018. 1-year grant for 'What drives individual behavior in networked institutions' €19k (with Wouter Vandenabeele and Iris Muis).

Research IT grant, Utrecht University. 2017-2018. 1-year grant for 'An infrastructure for collecting sensitive data through mobile phones'. €25k (with Anne Elevelt, Marieke Haan, Vera Toepoel, Bella Struminskaya, Barry Schouten).

Dutch Ministry of Social Affairs. 2017-2021. 4 year grant to monitor the quality of Dutch childcare centres. Total funding €1.500k. I participated in the project as an expert on sampling and statistical analyses (PI: Paul Leseman, Utrecht University).

Horizon 2020: Infra-Dev 02. Funding for developing the infrastructure of the Gender and Generations Programme. 2017-2019. Total funding: €2.000k, of which €200k personal. I participate in workpackage 2 on experimental push-to-web strategies. (PI: Anne Gauthier, NIDI, the Hague)

NWO Roadmap for large infrastructure projects: seam subsidy for project 'Gender and Generations', €500k. 2013-2015. Collaboration between department of methods and statistics, Utrecht University, the Netherlands Institute for Demography, and the department of Sociology, Erasmus University Rotterdam. (PI: Pearl Dykstra, Erasmus University, Rotterdam)

ESRC Future Leaders Grant, €190k. Personal grant for three-year research project 'Trade-offs between nonresponse and measurement error in a panel survey'. 2013-2015

Educational innovation grant (interactive learning) at Faculty of Social Sciences, Utrecht University (with Marieke den Otter). 2015-2016. €12k.

Educational innovation grant (powersnacks) at Faculty of Social Sciences, Utrecht University (with Ellen Hamaker), €12k. 2015-2016

Educational innovation grant (short videos on statistics and methods) at Faculty of Social Sciences, Utrecht University (with Marieke den Otter, Vera Toepoel, Rens van de Schoot and Leonie van Tichem), €32k. 2016-2017

2<sup>nd</sup> prize: International Journal of Market Research award for collaborative research, 2012. Market Research Society, UK.

## REVIEW and EDITORIAL ACTIVITIES

---

Editor 'Methodology' - Journal of the European Association for Methodology. 2014-2018

*Methodology is a peer-reviewed journal in the field of social science methodology. It is the official journal of the European Association for Methodology.*

<http://www.hogrefe.com/periodicals/methodology>

Managing editor Methodology, 2009 – 2014

Member of the peer review college – Economic and Social Research Council, 2013 – 2015

Member of NWO-SSH (Dutch Science Foundation) committee for VENI grants, 2019.

Associate editor for Methods, Data, Analysis. 2018-present

<https://mda.gesis.org/index.php/mda>

Associate editor for Journal of the Royal Statistical Society Series A. 2019-present

Ad hoc reviewer for various journals: European Journal of Developmental Psychology, Field Methods, International Journal for Public Opinion Research, Journal of Official Statistics, Journal of the Royal Statistical Society (series A), Mathematical population studies, Methodology, Methodological Review of Applied Research, Multivariate Behavioural Research, Public Opinion Quarterly, Social Science Computer Review, PLOS ONE, Sociological Methods and Research, Statistica Neerlandica, Survey Methodology, Survey Research Methods, Social Science Research, ZonMW (Netherlands health research council), Economic and Social Research Council (UK research council), German Research Council (DFG), Belgian research Council (FWO), Revalidatiefonds (Netherlands research council), Polish National Science Foundation, Flemish Science Foundation, General Online Research conference (GOR), European Association for Methodology conference.

## MEMBERSHIPS

Chair of the methodological advisory board of the Gender and Generations Programme.

*A longitudinal, European comparative survey into issues of gender and aging* (2021 - present).

Member of the consortium board of the Gender and Generations Programme.

*A longitudinal, European comparative survey into issues of gender and aging* (2015-2020).

Awarded with a Horizon 2020 grant. [www.ggp-i.org](http://www.ggp-i.org)

Member of the Methodological Advisory Board of Understanding Society: *A UK longitudinal survey interviewing about 100.000 persons annually*, 2016-2021

<https://www.understandingsociety.ac.uk/about/people/>

Member of the standing committee of GESIS new Integrated Survey and Data Infrastructure (IEDI). 2017-2021

Members of the AAPOR standards committee, 2019-present

<https://www.aapor.org/About-Us/Leadership/Committees-and-Taskforces.aspx?cid=STANDARDS>

Member of the advisory board of the ESRC project 'Understanding survey response behaviour in a digital age: Mixed-device online surveys and mobile device use'. PI: Olga Maslovskaya. 2017-2019

Member of the advisory board of the Groningen Institute for Social Research (Dutch: Sociaal Planbureau Groningen), <https://sociaalplanbureau Groningen.nl/ons-verhaal/adviesraad/> 2018- 2022

Member of Member of the central committee of the Dutch Platform for Survey research, 2009-present. [www.npso.net](http://www.npso.net)

Paying member of: European Survey Research Association, American Association for Public Opinion Research, European Association for Methodology, Dutch society for statistics (VVS-or)

## CONFERENCE ORGANISATION

---

ESRA local conference committee, 2025. Utrecht, the Netherlands

Local organizer of the 5<sup>th</sup> Panel Survey Methods Workshop. 10-11 July 2024, Utrecht, the Netherlands.

Conference chair. Bigsurv20 conference, 4-6 November 2020, Utrecht, the Netherlands.

[www.bigsurv20.org](http://www.bigsurv20.org)

Organiser of the 5 workshops 'Methodology of Apps and Sensors in Surveys' workshop. See

[www.massworkshop.org](http://www.massworkshop.org)

- 2019 in Mannheim
- 2021 (online)
- 2022 in Utrecht
- 2023 in Manchester
- 2024 in Washington, DC Session convener 'Combining general population surveys with Big Data from activity trackers or smartphone apps'. Big Surv conference, 27-29 October 2018, Barcelona (with Anne Elevelt)

Scientific Committee SHARE conference. September 18-19, Budapest, Hungary.

<http://www.share-project.org/home0/news/article/share-user-conference-2019-in-budapest-hungary.html>

Session convener: Evidence for Successful Recruitment Strategies for Data Collection through Smartphone Apps. AAPOR conference (virtual) 12 June 2020.

Session convener: human behaviour in a spatial context. ESRA conference, Zagreb, 23-27 July 2018

3<sup>rd</sup> meeting of the ROSE network (Research in Official Statistics and Estimation). Utrecht, 22-23 March 2018.

Session convener 'new measurement capabilities of mobile phones'. European Survey Research Association Conference, July 2017 – Lisbon, Portugal, (with Vera Toepoel and Anne Elevelt)

Organizing Committee of the sixth conference of the European Association for Methodology, 23-25 July 2014. Utrecht, the Netherlands. [www.eam2014.fss.uu.nl](http://www.eam2014.fss.uu.nl)

Scientific Committee of the Panel Survey Methods Workshop 2014. Ann Arbor, MI, United States of America. [www.panelsurveymethods.blogspot.com](http://www.panelsurveymethods.blogspot.com)

Member of the coordinating committee Dutch Platform for Survey Research, 2008-present [www.npso.net](http://www.npso.net)

Organizing committee 'Mplus user meetings' at Utrecht University, 2010 – 2016, [www.mplus.fss.uu.nl](http://www.mplus.fss.uu.nl)

Organizing committee 'Internet Survey Methodology Workshop', 29-31 August 2011, the Hague

Session convener: 'attrition in panel surveys', ESRA conference, Ljubljana, 18-22 July 2013 (with Ulrich Krieger (University of Mannheim), Galit Gordon (Israel Central Bureau of Statistics) and Jon Miller (University of Michigan)).

Session convener: 'Understanding measurement error in longitudinal data', RC33 conference on social science Methodology, 9-13 July 2012, Sydney (with Noah Uhrig, Emanuela Sala and Ulrich Krieger)

Session convener: 'measurement errors in panel surveys', ESRA conference, Lausanne, 21-23 July 2011 (with Noah Uhrig, Emanuela Sala and Ulrich Krieger).

Session convener 'Data quality in longitudinal survey data' – attrition and measurement error" European Survey Research Association Conference, June 2009 – Warsaw, together with Noah Uhrig (University of Essex), Emanuela Sala (University of Milano-Bocconi) and Ulrich Krieger, MEA, Max Planck Institute for Social Law and Social Policy, University of Munich).

Session convener 'The quality of data in panel surveys'. European Survey Research Association Conference, June 2007 – Prague, together with Gerty Lensvelt-Mulders.

## **SOCIETAL IMPACT**

---

Special Advisor for the transition to mixed-mode surveys. European Social Survey. 2022-2023  
Chair of the WODC (ministry of justice) advisory committee on project 'gambling policy'.  
2023-2024.

Member of the advisory committee cohort study of Syrian migrants. Dutch Institute for Social  
research & WODC, ministry of Justice, 2022-2025

Member of the advisory committee on 3<sup>rd</sup> wave of the 'Victim Monitor'. WODC, ministry of Justice,  
2022-2023

Chair of advisory committee on new questionnaire for the 'Victim Monitor'. WODC, ministry of  
Justice, 2019

Consultant for province of Groningen on the use of small area estimation vs. a survey-based  
approach to estimation 'livability' in areas with population decline. 2018

Consultant for National Coordinator Groningen on the methodological quality of existing studies  
into the effect of earthquakes on living in Groningen. 2016-2017 (with Emma ter Mors and  
Jelke Bethlehem).

Consultant for Utrecht University of Applied Sciences on the methodology and analyses of social  
re-integration data, 2016-2021.

Consultant for WODC on the methodological quality of prostitution policies, 2015 (with Gerty  
Lensvelt-Mulders).

Consultant for UK Department for Work and Pensions about the feasibility of setting a panel  
survey to evaluate the introduction of Universal Credit, 2014 (With Heather Laurie, Nick Buck,  
Jon Burton, Violeta Parutis, Mark Bryan and Mike Brewer)

Consultant for survey on environmental hindrance among people living around the Dutch national  
airport: sampling, questionnaire design, weighting and analyses, 2012-2013.

Consultant for ministry of interior affairs – designing a mixed-mode questionnaire for the Dutch  
Safety Monitor, 2010 (with Remco Feskens).

Organizing committee Dutch Platform for Survey Research: [www.npso.net](http://www.npso.net). Co-organiser of the  
following specific meetings:

- March 2009: Doing survey research among (ethnic) minorities
- December 2009: Mixed-mode surveys
- September 2010: Measurement errors in Survey Research
- March 2011: Ethics in survey research
- May 2012: Longitudinal Surveys
- December 2012: Innovation in Survey Research
- May 2014: Weighting in surveys
- September 2016: Longitudinal surveys
- January 2017: The methodology of political election polls
- May 2019: smartphones
- June 2022: panel surveys

Writer of a weblog about research on survey methods: [www.peterlugtig.com](http://www.peterlugtig.com)

Active on Bluesky, X (Twitter): [@peterlugtig](https://twitter.com/peterlugtig)

## PUBLICATIONS

---

Direct links to all outputs listed below can be found at <http://www.peterlugtig.com>

### Overview of publications and citations

	# of cited documents	# of citations	h-index
Link to <a href="#">Google scholar Profile</a>	55	4080	24

### English articles and book chapters:

- 2023 - Emery, T., Cabaco, S., Fadel, L., Lugtig, P., Toepoel, V., Schumann, A., Lück, D., Bujard, M. (2023). Survey Practice 16. <https://doi.org/10.29115/SP-2023-0008>
- 2023 - Bostanci, I, Gootzen, Y. & Lugtig, P. (2023). [Maximum interpolable gap length in missing smartphone-based GPS mobility data](#). CBS discussion paper.
- 2022 - Ilic, G., Schouten, J.G., Lugtig, P., Mulder, J., Streefkerk, M., Kumar, P. Höcük, S. (2022) Pictures instead of questions. An experimental investigation of the feasibility of using pictures in a housing survey. Journal of the Royal Statistical Society: series A. [doi:10.1111/rssa.12960](https://doi.org/10.1111/rssa.12960)
- 2022 - McCool, D.M., Lugtig, P. & Schouten, J.G. (2022) Maximum interpolable gap length in missing smartphone-based GPS mobility data. Transportation. [Doi:10.1007/s11116-022-10328-2](https://doi.org/10.1007/s11116-022-10328-2)
- 2022 - Lugtig, P., van Kesteren, E. J., & Timmers, A. (2022). Correcting inferences for volunteer-collected data with geospatial sampling bias. arXiv preprint arXiv:2209.04193.
- 2022 - Lugtig, P. Roth, K. & Schouten, J.G., & (2022) Analysis of missing data in a longitudinal smartphone travel survey. *Survey Research Methods*, 16, 13-27. [Doi: 10.18148/srm/2022v16i.7835](https://doi.org/10.18148/srm/2022v16i.7835)
- 2022 - Maslovskaya, O. & Lugtig, P. (2022) Representativeness in Six Waves of CROss-National Online Survey (CRONOS) Panel. Journal of the Royal Statistical Society: series A. [doi:10.1111.rssa.12801](https://doi.org/10.1111.rssa.12801)
- 2022 - Bakker, J., Haan, M., Schouten, J.G., Lugtig, P., Toepoel, V., Struminskaya, B., Giessen, D. & Meertens, V. (2021) Testing the Effects of Automated Navigation in a General Population Web Survey. *Methods, Data, Analysis*. 106-127, [doi: 10.12758/mda.2021.10](https://doi.org/10.12758/mda.2021.10)
- 2021 - Gillebaart, M., Brummelman, J., De Ridder, D., Benjamins, J., Denissen, J., Kroese, F., Lugtig, P., Smit, J. & Ybema, J.F. (2021). Study Protocol of the Ten Years Up project: Mapping the development of self-regulation strategies in young adults over time. *Frontiers in psychology*, 4048. [doi:10.3389/fpsyg.2021.729609](https://doi.org/10.3389/fpsyg.2021.729609)
- 2021 - Struminskaya, B, Lugtig, P., Schouten, J.G., Toepoel, V., Giesen, D. & Dolmans, R. (2021) Sharing of smartphone sensor-collected data: Willingness, participation, and non-participation bias. *Public Opinion Quarterly*, advance access. [Doi:10.1093/poq/nfab025](https://doi.org/10.1093/poq/nfab025)
- 2021 - Toepoel, V. Mathon, K, van Tussenbroek, P & Lugtig, P. (in press) Probing in Online Surveys: Is a Chatbot more Effective than a Responsive Survey. *Bulletin of Sociological Methodology*, 151(1):74-95. doi:[10.1177/07591063211019953](https://doi.org/10.1177/07591063211019953)
- 2021 - McCool, D.M., Lugtig, P., Mussman, O. & Schouten, J.G. (2021). An app-assisted travel survey in official statistics. Possibilities and challenges. *Journal of Official Statistics*, 37, 149-170. Doi: [10.2478/jos-2021-0007](https://doi.org/10.2478/jos-2021-0007)
- 2021 - Cernat, A., Lugtig, P., Uhrig, S.C.N. and Watson, N. (2021) Assessing and relaxing assumptions in quasi-simplex models. Chapter 7 in Cernat, A., & Sakshaug, J. W. (2021). *Measurement Error in Longitudinal Data*. Oxford University Press
- 2021 - Lugtig, P. & Luiten, A. (2021) Do shorter stated survey length and inclusion of a QR code



- in an invitation letter lead to better response rates? *Survey Methods Insights from the Field*. doi:[10.3094/SMIF-2021-00001](https://doi.org/10.3094/SMIF-2021-00001)
- 2020 - Struminskaya, B., Toepoel, V., Lugtig, P. Haan, M., Luiten, A. & Schouten, J.G.(2020) Understanding Willingness to Share Smartphone-Sensor Data, *Public Opinion Quarterly*, 84, 725–759 [Doi: 10.1093/pog/nfaa044](https://doi.org/10.1093/pog/nfaa044)
- 2020 - Struminskaya, B., Hoehne, J-K, Keusch, F. & Lugtig, P. (in press) Augmenting surveys with data from sensors and apps: Opportunities and challenges. *Social Science Computer Review online First*. Doi: [10.1177/0894439320979951](https://doi.org/10.1177/0894439320979951)
- 2020 - Fakkkel, T. Peeters, M. Lugtig, P., Zondervan-zwijnenburg, M.A.J., Blok, E., White, T. Van Der Meulen, M. Kevenaer, S.T. Willemsen, G., Bartels, M. Boomsma, D.I., Schmengler, H., Branje, S. & Vollebergh, W.A.M. (2020) Testing sampling bias in estimates of adolescent social competence and behavioral control. *Developmental Cognitive Neuroscience*, 46, [10.1016/j.dcn.2020.100872](https://doi.org/10.1016/j.dcn.2020.100872)
- 2020 - Toepoel, V., Lugtig, P., Struminskaya, B., Elevelt, A & Haan, M. (2020) Adapting surveys to the modern world: Comparing a research messenger design to a regular responsive design for online surveys. *Survey practice* 13,1 <https://www.surveypractice.org/article/14188-adapting-surveys-to-the-modern-world-comparing-a-research-messenger-design-to-a-regular-responsive-design-for-online-surveys>
- 2020 – Toepoel, V., Lugtig, P. and Schouten, J.G. (2020) Active and passive measurement in mobile surveys. *The Survey Statistician* 82, 14-26 [http://isi-iass.org/home/wp-content/uploads/Survey\\_Statistician\\_2020\\_July\\_N82\\_02.pdf](http://isi-iass.org/home/wp-content/uploads/Survey_Statistician_2020_July_N82_02.pdf)
- 2020 - Kolenikov, S., West, B.T., & Lugtig, P. (2020) A Checklist for Assessing the Analysis Documentation for Public-Use Complex Sample Survey Data Sets. *The Survey Statistician* 81, 50-62. [http://isi-iass.org/home/wp-content/uploads/Survey\\_Statistician\\_2020\\_January\\_N81.pdf](http://isi-iass.org/home/wp-content/uploads/Survey_Statistician_2020_January_N81.pdf)
- 2019 – Smeets, L.S.M., Lugtig, P and Schouten, J.G. (2019). Automatic Travel Mode Prediction in a National Travel Survey. CBS discussion paper. December 2019 - <https://www.cbs.nl/-/media/pdf/2019/51/dp%20smeets-lugtig-schouten%20-%20vervoer%20middelvoorspelling.pdf>
- 2019 - Elevelt, A., Toepoel, V., Lugtig, P., Bernasco, W. & Ruiter, S. de (in press). Where you at? Using GPS location in an electronic Time Use diary study to derive functional locations. *Social Science Computer Review*, advance access: <https://doi.org/10.1177/0894439319877872>
- 2019 - Haan, M., Toepoel, V. and Lugtig, P. (2019) Can we predict device use? An investigation into mobile device use in surveys. *International Journal of Social Research Methodology* 22, 517-531. <https://doi.org/10.1080/13645579.2019.1593340>
- 2019 - Elevelt, A., Lugtig, P. and Toepoel, V. (2019) Doing a Time Use Survey on smartphones only: what factors predict nonresponse at different stages of the survey process. *Survey Research Methods*, 13(2), 195-213. <https://doi.org/10.18148/srm/2019.v13i2.7385>
- 2019 - Uitdehaag, M.J., Stellato, R.K., Lugtig, P., Teunissen, S.C. and Olden, T. (2019) Barriers to effective palliative care in multiple care settings; the nurses point of view. *International Journal of Palliative Nursing*. <https://doi.org/10.12968/ijpn.2019.25.6.294>
- 2019 - Lugtig, P., Toepoel, V., Haan, M., Zandvliet, R. and Klein Kranenburg, L. (2019) Recruiting smartphone users in a probability-based online panel. Effects of advance letters, layout and autoforwarding. *Methods, data, analyses*, 1-16, <https://doi.org/10.12758/mda.2019.04>
- 2019 - Bais, F., Schouten, J.G., Lugtig, P., Toepoel, V., Arends-Toth, J., Douhou, S., Kieruij, N., Morren, M. and Vis, C. (2019) Can survey item characteristics relevant to mode-specific measurement error be coded reliably? *Sociological Methods & Research*, 48. 263-295 <https://doi.org/10.1177/0049124117729692>
- 2018 - Schouten, R.M., Lugtig, P. and Vink, G. (2018) Generating missing values for simulation purposes: a multivariate amputation procedure. *Journal of statistical computation and simulation*. <https://doi.org/10.1080/00949655.2018.1491577>
- 2018 - Toepoel, V. and Lugtig, P. (2018) Modularization in an era of mobile web: investigating the



- effects of cutting a survey into smaller pieces on data quality. *Social Science Computer Review*. <https://doi.org/10.1177/0894439318784882>
- 2017 - Lugtig P. (2017) The relative size of measurement error and attrition error in a panel survey. Comparing them using a new Multi-Trait Multi-Method model. *Survey Research Methods*, 11, 369-382. <https://doi.org/10.18148/srm/2017.v11i4.7170>
- 2017 - Lynn, P. and Lugtig, P. (2017) Total Survey Error for Longitudinal Surveys. Chapter 13 in Biemer, P.P., De Leeuw, E.D., Eckman, S., Edwards, B., Kreuter, F., Lyberg, L.E., Tucker, C. and West, B.T. (eds.) *Total Survey Error in Practice*. New York: Wiley
- 2017 - Van Ditzhuijzen, J. van, ten Have, M., de Graaf, R., Lugtig, P., van Nijmegen, C.H.C.J and Vollebergh, W.A.M. (2017) Incidence and recurrence of common mental disorders after abortion: Results from a prospective cohort study. *Journal of Psychiatric Research*. <https://doi.org/10.1016/j.jpsychires.2016.10.006>
- 2016 - Defoe, I.N., Dubas, J.S., Somerville, L., Lugtig, P., and van Aken, M.A.G. (2016) The unique role of cognitive, affective and social factors in adolescent smoking development. *Developmental Psychology*, 52. 2044-2056. <https://doi.org/10.1037/dev0000198>
- 2016 - Padilla, J.L. and Lugtig, P. (2016) Trends and challenges for Methodology. *Methodology*, 12. 73-74. <https://doi.org/10.1027/1614-2241/a000109>
- 2016 - Lugtig, P., Toepoel, V., and Alerk, A. (2016). Mobile-only web respondents. *Survey practice* 9(4). <http://www.surveypractice.org/index.php/SurveyPractice/article/view/340>
- 2016 - Lynn, P. and Lugtig, P. (2016) Total Survey Error for Longitudinal Surveys. *Understanding Society Working paper 2016-07*. Colchester: Institute for Social and Economic Research <https://www.understandingsociety.ac.uk/research/publications/working-paper/understanding-society/2016-07.pdf>
- 2016 - Lugtig, P., and Toepoel, V. (2016) The use of PCs, smartphones and tablets in a probability-based panel survey. Effects on survey measurement error. *Social Science Computer Review*, 34(1). 78-94. <https://doi.org/10.1177/0894439315574248>
- 2016 - Fikkers, K.M., Piotrowski, J.T., Lugtig, P., & Valkenburg, P.M. (2016) The role of perceived peer norms in the relationship between media violence exposure and adolescents' aggression. *Media Psychology*, 19, 4-26. <https://doi.org/10.1080/15213269.2015.1037960>
- 2015 - Lugtig, P., Glasner, T., and Boevé, A. (2015) Reducing underreports of behaviors in retrospective surveys: the effects of three different strategies. *International Journal of Public Opinion Research*, <https://doi.org/10.1093/ijpor/edv032>
- 2015 - Toepoel, V. and Lugtig, P. (2015) Online Surveys are Mixed-Device Surveys. Issues associated with the use of different mobile devices in web surveys. *Methods, Data, Analysis*, 9(2). <https://doi.org/10.12758/mda.2015.009>
- 2015 - De Leeuw, E.D., and Lugtig, P. (2015) Dropouts in longitudinal data. In *Encyclopedia of Statistics in Behavioral Science*. John Wiley & Sons. <https://doi.org/10.1002/9781118445112.stat06661.pub2>
- 2015 - Lugtig, P. and Balluerka, N. (2015) Methodology turns 10. *Methodology*, 11, 1-2 <https://doi.org/10.1027/1614-2241/a000092>
- 2014 - Mulder, B. Poortvliet, M., Lugtig, P. and Bruin, M. de. (2014) Explaining consumer intentions to use innovative medical and food applications: test of an extended model of reasoned action in a survey study. *Biotechnology Journal*, 9, 997-999. <https://doi.org/10.1002/biot.201400224>
- 2014 - Toepoel, V. and Lugtig, P. (2014) What happens if you offer a mobile option to your web panel? Evidence from a probability-based panel of Internet users. *Social Science Computer Review*, 32 (4), 544-560. <https://doi.org/10.1177/0894439313510482>
- 2014 Scherphof, C.S., Eijnden, R.J.J.M. van den, Lugtig, P., Engels, R.C.M.E., and Vollebergh, A.M. (2014) Adolescents' use of nicotine replacement therapy for smoking cessation: predictors of compliance trajectories. *Psychopharmacology*, 1-10. <https://doi.org/10.1007%2Fs00213-014-3511-8>
- 2014 - Cernat, A., Lugtig, P., Uhrig, S.C.N. and Watson, N. (2014) Assessing and relaxing

- assumptions in quasi-simplex models. *ISER working paper 2014-09*.  
<https://www.iser.essex.ac.uk/publications/working-papers/iser/2014-09.pdf>
- 2014 - Lugtig, P. (2014) Panel attrition: separating stayers, fast attriters, gradual attriters and lurkers. *Sociological Methods and Research*, 43, 699-723. doi:10.1177/0049124113520305
- 2014 - Koning, I.M., Lugtig, P. and Vollebergh, W.A.M. (2014) Differential effects of baseline drinking status: effects of an alcohol prevention program targeting students and/or parents (PAS) among weekly drinking students. *Journal of substance abuse treatment* 46, p. 522-527.  
<https://doi.org/10.1016/j.jsat.2013.11.003>
- 2014 - Lugtig, P. and Jäckle, A. (2014) In-Interview edit checks: effects on measurement error in non-labour income and estimates of household income and poverty. *Journal of Official Statistics* 30(1), p. 45-62. <http://dx.doi.org/10.2478/jos-2014-0003>
- 2014 - Lugtig, P. and Lensvelt-Mulders, G.J.L.M. (2014) Evaluating data quality on the measurement of change using dependent interviewing, *Field Methods* 26. 172-189.  
<https://doi.org/10.1177/1525822X13491860>
- 2014 - Lugtig, P., Das, M. and Scherpenzeel, A. (2014) Nonresponse and attrition in a probability based Internet Panel for the general population. Pp. 135-154 in Callegaro, M., Baker, R., Bethlehem, J., Göritz, A., Krosnick, J.A. and Lavrakas, P.J., *Online Panel surveys: an interdisciplinary approach*, New York, Wiley & sons
- 2013 - Schoot, A.G.J. van de, Kluytmans, A., Tummers, L., Lugtig, P., Hox, J. and Muthen, B. (2013) Facing off with choosing between Scylla and Charibdis: a comparison of scalar, partial and the novel possibility of approximate measurement invariance. *Frontiers in Psychology*.  
<https://doi.org/10.3389/fpsyg.2013.00770>
- 2012 - Schoot, A.G.J. van de, Lugtig, P. and Hox, J. (2012) A checklist for testing measurement invariance. *European Journal of Developmental Psychology*,  
<https://doi.org/10.1080/17405629.2012.686740>
- 2012 - Monshouwer, K., Harakeh, Z., Lugtig, P., Huizink, A., Creemers, H.E., Reijneveld, S.A., De Winter, A.F., van Oort, F., Ormel, J. and Vollebergh, W.A.M. (2012) Prevalence and predictors of transitions into co-occurring risk behaviour patterns in adolescence: the TRAILS study, *Journal of Abnormal Child Psychology*. <https://doi.org/10.1007/s10802-012-9624-9>
- 2012 - Lugtig, P., Boeije, H.R. and Lensvelt-Mulders, G.J.L.M. (2012) Change, what change? Understanding longitudinal measurement invariance using mixed-methods. *Methodology* 7(3), p. 115-123. <https://doi.org/10.1027/1614-2241/a000043>
- 2011 - De Ridder, D.T.D., de Boer, B., Lugtig, P., Bakker, A. and van Hooft, E.A.J. (2011) Not doing bad things is not equivalent to doing the right thing: Distinguishing between inhibitory and initiatory self-control, *Personality and Individual Differences* 50(7), p. 1006-1011.
- 2011 - Lugtig, P., Lensvelt-Mulders, G.J.L.M., R. Frerichs and Greven, A. (2011), Estimating nonresponse bias and mode effects in a mixed-mode survey, *International Journal of Market Research*, 53(5), p. 669-686
- 2011 - Lugtig, P. and Jäckle, A. (2011) In-Interview edit checks: effects on measurement error in non-labour income and estimates of household income and poverty, *ISER working paper 2011-23*. Colchester: Institute for Social and Economic Research.
- 2009 - Lensvelt-Mulders, G.J.L.M., Lugtig, P. and Hubregtse, M. (2009) Separating Selection bias and Non-coverage in Internet Panels using Propensity Matching, [www.surveypactice.org](http://www.surveypactice.org)
- 2008 - Lensvelt-Mulders, G.J.L.M., Hox, J.J. and Lugtig, P. Assembling an access panel: a study of initial nonresponse and self-selection bias, in Stoop, I. and Wittenberg, M. (eds.) *Access panels and online research, panacea or pitfall?* Amsterdam, Aksant Publishers.

#### Articles and book chapters in Dutch:

- 2017 - Lugtig, P., Toepoel, V., Haan, M., and Schouten, B. (2017). Het Waarneem Innovatie Netwerk. *Stator*, 3, 16-19.
- 2012 - Doornwaard, S. M., van den Eijnden, R.J.J.M., Lugtig, P., ter Bogt, T.F.M and Overbeek, G. (2012) Ontwikkelingstrajecten in en voorspellers voor het gebruik van seksueel expliciet

internetmateriaal, *Kind & Adolescent* 2012(4). NOTE: There is an erratum to this article posted here doi:10.1007/s12453-012-0029-x .

2012 - Lugtig, P. (2012) Luiaards en trouwe deelnemers. Classificatie van respondenten in een panelstudie, in Bronner, F. et al (red.) *Ontwikkelingen in het Jaarboek van de Markt Onderzoeks Associatie (MOA)*, Haarlem: Spaar en Hout.

### Policy reports

2020 - Lugtig, P., Schanze, J.L., Harrison, E., Stoop, I. & Zins, S. (2020) Study to examine the feasibility of combining elements of the EWCS and EQLS into a single survey instrument, Publications Office of the European Union, Luxembourg.

2019 - Emery, T., Cabaco, S., Lugtig, P., Toepoel, V., Lueck, D., Naderi, R., Bujard, M. and Schumann, A. (2019). The Generations & Gender Programme: Technical case and E-needs. SocArxiv. <https://osf.io/preprints/socarxiv/439wc/download>

2019 - Lugtig, P. & Smith, P. (2019) The choice between a panel and cohort study design. Workpackage 4. ESRC report. <https://eprints.soton.ac.uk/435301/>

2017 - Lugtig, P., Mors, E. and Bethlehem, J. (2017) Het meten van de gevolgen van aardbevingen op de leefbaarheid in Groningen. Een methodologische review naar leefbaarheidsonderzoeken. Nationaal Coordinator Groningen. <https://www.nationaalcoordinatorgroningen.nl/binaries/nationaal-coordinator-groningen/documenten/rapporten/2017/juli/14/review-vijf-leefbaarheidsonderzoeken/Rapport+Het+meten+van+de+gevolgen+van+aardbevingen+op+de+leefbaarheid+in+Groningen.pdf>

2016 - Lensvelt-Mulders, G., Lugtig, P., Bos, P., Elevelt, A., and Helms, A. (2016) Aan de grenzen van het meetbare De methodologische kwaliteit van internationale studies naar de omvang van aan prostitutie gerelateerde mensenhandel met nadruk op Noordwest Europa. WODC rapport 2667.

<https://www.wodc.nl/onderzoeksdatabase/2667-internationale-vergelijking-relatie-prostitutie-beleid-en-omvang-mensenhandel.aspx?cp=44&cs=6796>

2015 - Bais, F., Schouten, J.G., Lugtig, P., Toepoel, V., Arends-Toth, J., Douhou, S., Kieruij, N., Morren, M. and Vis, C. (2015) Can survey item characteristics relevant to mode-specific measurement error be coded reliably? *Statistics Netherlands Discussion paper 2015-22*. The Hague: Statistics Netherlands.

<http://www.cbs.nl/NR/rdonlyres/D6003FEF-B8E1-47BA-B061-167BB5C6506A/0/2015cansurveyitemcharacteristicsrelevanttomodespecificmeasurementerrorbecodedreliably.pdf>

2014 - Laurie, H., Buck, N., Burton, J., Parutis, V., Bryan, M., Lugtig, P. and Brewer, M. (2014) The feasibility of conducting a universal credit panel survey – UK department for Work and pensions.

<https://www.gov.uk/government/publications/the-feasibility-of-conducting-a-universal-credit-panel-survey>

2010 - Lugtig, P. & Feskens, R.C.W. (2010) Vernieuwing veiligheidsmonitor: mixed-mode design en slachtofferschap, bureau Veiligheidsmonitor, ministerie van Binnenlandse Zaken en Koninkrijksrelaties

### Dissertation

2012 - Lugtig, P. (2012) *I think I know what you did last summer. Improving data quality in panel surveys*. Doctoral dissertation.

### Work in progress:

Elevelt, A., Toepoel, V. & Lugtig, P. (submitted) A meta-analysis of experiments asking for consent. *Survey Research Methods*

Toepoel, V., Kompier, M.E., Lugtig, P., Hollander, E. de, Duijvestein, M., Luiten, A. & Loyen, A. (submitted) Monitoring Physical Activity and Sedentary Behaviour in the General Population with Accelerometers: a nonresponse Analysis on the Use of Incentives. *Field Methods*

Friedel, S. & Lugtig, P. (submitted) Explaining interviewer effects in wave nonresponse and income item nonresponse: evidence of common causes. *Journal of Official Statistics*.

Lugtig, P. V. Toepoel, T. Emery, S. Cabaco, D. Lueck, A. Schumann, R. Naderi, M. Bujard (submitted) A push-to-web experiment for cross-national surveys: effects on nonresponse rates, bias and measurement. *Survey research methods*

McCool, D.M., Lugtig, P. & Schouten, J.G. (submitted) Using dynamic time warping for imputing GPS-based travel data.

Schouten, J.G., Lugtig, P. & Luiten, A. (submitted) Combining surveys and organic data from sensors in Designed Big Data. Three case studies. *Public Opinion Quarterly*

Lueck, D., Schumann, A. Naderi, R. & Bujard, M., Emery, T., Cabaco, S., Lugtig, P. & Toepoel, V. (in progress) How do Different Modes Affect Social Demographic Key Indicators? Findings from a Three-Country Experiment Based on the Generations and Gender Survey

### Software and other

2021 - Timmers, A., & Lugtig, P. (2021). List of Citizen Science Projects in the Netherlands (Version v2021.4.29) [Data set]. Zenodo. <http://doi.org/10.5281/zenodo.4724570>

2018 – Sobrado, B. and Lugtig, P. (2018) A shiny app for visualizing GPS measurements. <https://utrecht-university.shinyapps.io/shinygps/>

2016 – Schouten, R.M., Vink, G. and Lugtig, P. (2016) Ampute: generate missing data for simulation purposes. Software. <https://rdrr.io/cran/mice/man/ampute.htm>

### Invited talks

Invited talk at plenary on the future of survey research post-pandemic. ESRA conference, Milan, 17-21 July 2023.

Invited talk at KNAW 'pandemic preparedness' seminar. 6 December 2022, Amsterdam

Invited talk at workshop on nonresponse in surveys: Stockholm University & Statistics Sweden. Talk: The relation between nonresponse rates and nonresponse bias: an update and extension of Groves and Peytcheva (2008). 26-27 September 2022, Stora Brannbo, Sigtuna.

Keynote at Dutch Platform for Survey Research 'Innovation day'. 8 December 2021.

Invited talk at the statistics seminar series at Örebro University. Talk 'Improving social data with smartphone data collection'. 14 November 2021

Podcast for the European Survey Research Association on 'Polling' (with Patrick Sturgis and Courtney Kennedy). <https://www.youtube.com/watch?v=KpHvFsaHLmU>

Moving a long survey online. Problems and some potential solutions. Invited talk for Genpopweb2/ NCRM. 14 July 2021

Keynote speech at the 2021 'Current Innovations in Probability-based Household Internet Panel Research' conference. What Internet panel surveys can learn from the design of smartphone-app studies. 4-5 March 2021. [https://cesr.usc.edu/cipher\\_2021](https://cesr.usc.edu/cipher_2021)

Invited talk at the University of Stockholm statistics department. Talk 'Improving social data with smartphone data collection'. 3 March 2021

City University and NatCen seminar series on survey methodology. Talk on 'using apps for data collection'. 25 June 2020, London. <https://www.youtube.com/watch?v=HZZYVKzHTDA>

Dutch Platform for Survey research. Talk on 'smartphone travel survey'. Rotterdam, 21 May 2019

Invited talk at symposium 'the future of online data collection'. 20-21 June 2019, University of Southampton/ONS

Keynote speech at GESIS panel user conference. 'The Future of Web panels. 11 March 2019,

University of Mannheim.  
 Keynote speech at International Programme of Survey and Data Science's Connect Conference. 'Surveys and sensors'. 6 June, 2018. University of Mannheim  
 Seminar on 'mobile surveys' 27 February 2018, SFB-symposium, University of Mannheim  
 Special seminar on missing data methods. 'Understanding longitudinal nonresponse'. 8 May 2017, Cathie Marsh Center, University of Manchester  
 Department of methods and statistics, Tilburg University. Talk on mobile data collection, 21 February 2017.  
 GESIS expert meeting on 'measurement validity'. Talk on effects on data quality of data chunking in questionnaires for mobile devices. 1-2 December 2016. Mannheim: Germany  
 Dutch Platform for Survey research. Talk on 'attrition in panel surveys'. Amsterdam, 8 September 2016  
 Methods and Statistics power snack on planned missingness. 2 June 2016. Utrecht: the Netherlands  
 Statistics Netherlands seminar 'your next frenemy – mobile data collection'. 7 April 2016. Heerlen: the Netherlands  
 GESIS and University of Mannheim joint seminar series. 'Attrition in panel surveys'. 1 April 2015 Mannheim: Germany  
 Statistics Netherlands seminar 'Attrition in panel surveys'. 14 January 2015. Heerlen: Institute of Education on 'Attrition in panel surveys. How problematic is it?' 22 January 2014. London.  
 GESIS summer school on 'Why care about survey errors?' 15 August 2013. Cologne,  
 NCRM conference on 'Web surveys for the general population - how, when and why?' 24-25 February 2013. London,  
 CentERdata, Tilburg University, 'Dependent Interviewing'. December 2008. Tilburg: the Netherlands

## Conference talks

*Talks for period 2023 -> are missing.*

Lugtig, P., van Kesteren, E-J. & Timmers, A. (2022) Inference for citizen science data. ODISSEI conference, Utrecht. 3 November 2022.  
 Lugtig, P., Schouten, J.G., Struminskaya, B., Rodenburg, E. (2022) Smartphones: collecting social data for official statistics. ITACOSM conference, Perugia, 7-9 June 2022.  
 Lugtig, P., Struminskaya, B., Timmers, A., Henneveltdt, C., Peytcheva, E., Groves, R.M. (2022) The relation between nonresponse rates and nonresponse bias: an update and extension of Groves and Peytcheva (2008). AAPOR conference, Chicago: 10-14 May 2022.  
 Elevelt, A. Toepoel, V. & Lugtig, P. (2021) Consent to Data Linkage in Online Surveys: A Descriptive Review and Meta-Analysis. 5 March Genpopweb 2 conference.  
<https://www.ncrm.ac.uk/news/show.php?article=5621>  
 McCool, D., Roth, K., Schouten, J.G. & Lugtig, P. (2021) Mind the gap: Addressing missingness both small and large in longitudinal GPS data. BigSurv conference. 13 Nov. 2021.  
[www.bigsurv20.org](http://www.bigsurv20.org)  
 Maslovskaya, O., Lugtig, P. & Durrant, G. (2020) Investigation of non-response bias and representativeness in the first cross-national probability-based online panel (CRONOS). BigSurv conference. 13 Nov. 2021. [www.bigsurv20.org](http://www.bigsurv20.org)  
 Struminskaya, B., Lugtig, P., Schouten, J.G., & Ilic, G. (2020) Giving respondents a choice: does it increase sharing of sensor data? BigSurv conference. 27 Nov. 2021. [www.bigsurv20.org](http://www.bigsurv20.org)  
 Ilic, G., Schouten, J.G., Lugtig, P., Mulder, K., Hocuk, S. & Streefkerk, M (2020). Photos instead of text answers: An experiment within a housing survey. BigSurv conference. 27 Nov. 2021. [www.bigsurv20.org](http://www.bigsurv20.org)  
 Lugtig, P., McCool, D & Schouten, J.G. (2020) The quality of measurements in a smartphone-app to measure travel behaviour for a probability sample of people from the Netherlands. General



- Online Research Conference. 9-11 September, Berlin, Germany
- Lugtig, Roth, K., McCool, D.M. & Schouten, J.G. (2020) Nonresponse rates and bias in a Smartphone-app Travel Study conducted in the Netherlands. Results from experiments in recruitment strategies. AAPOR virtual conference, 12 June 2020.
- Lugtig, McCool D.M. & Schouten, J.G. (2020) The quality of measurements in a smartphone-app to measure travel behaviour for a probability sample of people from the Netherlands. AAPOR virtual conference, 12 June 2020.
- Lugtig, P. V. Toepoel, T. Emery, S. Cabaco, D. Lueck, A. Schumann, R. Naderi, M. Bujard (2019) A push-to-web experiment for cross-national surveys: effects on nonresponse rates, bias and measurement. European Survey Research Association conference. 15-19 July, Zagreb, Croatia
- McCool, D., Roth, K., Schouten, J.G. & Lugtig, P. (2019) Assessing and addressing missingness mechanisms in passively-recorded location data. European Survey Research Association conference. 15-19 July, Zagreb, Croatia
- Toepoel, V., Lugtig, P., Haan, M., Struminskaya, B. & Elevelt, A. (2019) Adapting surveys to the modern world: comparing a Researchmessenger design to a regular responsive survey design for online surveys. European Survey Research Association conference. 15-19 July, Zagreb, Croatia
- Smeets, L., Lugtig, P., Schouten, J.G., and McCool, D. (2019) Automatic trip and transportation mode detection using a smartphone app and machine-learning. A validation study. European Survey Research Association conference. 15-19 July, Zagreb, Croatia
- Struminskaya, B, Lugtig, P., Schouten, J.G., Toepoel, V., Haan, M. Dolmans, R, Meertens, V., Giesen, D., Luiten, A. (2019) Collecting Smartphone sensor measurements among the general population: willingness and nonparticipation bias. European Survey Research Association conference. 15-19 July, Zagreb, Croatia
- Elevelt, A., Toepoel, V., Lugtig, P. (2019) consent to data linkage: a meta-analysis. European Survey Research Association conference. 15-19 July, Zagreb, Croatia
- Lueck, D. Schumann, A., Naderi, R., Bujard, M., Emery, T., Cabaco, S., Lugtig, P. & Toepoel, V. (2019) Improving data quality in the GGS: are modifications in the questionnaire and survey design in the generations and gender survey able to resolve measurement errors? European Survey Research Association conference. 15-19 July, Zagreb, Croatia
- Toepoel, V., Lugtig, P., Haan, M., Struminskaya, B. & Elevelt, A. (2019) Investigating the effect of different methods of online probing on a Researchmessenger design and a regular responsive survey. European Survey Research Association conference. 15-19 July, Zagreb, Croatia
- Maslovskaya, O., Lugtig, P. & Durrant, G. (2019) Investigation of non-response bias and representativeness in the first cross-national probability-based online panel (CRONOS). European Survey Research Association conference. 15-19 July, Zagreb, Croatia
- McCool, D, Lugtig, P. & Schouten, J.G. (2019) Stop detection in a travel survey app. European Survey Research Association conference. 15-19 July, Zagreb, Croatia
- Cabaco, S., Koops, J., Emery, T., Lugtig, P., Toepoel, V., Lueck, D. Schumann, A., Naderi, R. & Bujard, M (2019) Type of device and break-offs in a push to web experiment. European Survey Research Association conference. 15-19 July, Zagreb, Croatia
- Toepoel, V., Lugtig, P., Haan, M., Struminskaya, B. & Elevelt, A. (2019) Adapting surveys to the modern world: comparing a researchmessenger design to a regular responsive survey design for online surveys. General Online Research conference, 5-6 March, Cologne, Germany.
- Schumann, A., Lueck, D., Naderi, R., Bujard, M., Schneider, N., Emery, T., Cabaco, S., Lugtig, P. & Toepoel, V. (2019) Online, face-to-Face or mixed-mode? Findings from a methodological experiment in the GGP context. General Online Research conference, 5-6 March, Cologne, Germany.
- McCool, Mussman, O. Schouten, J.G., Verstappen, V. & Lugtig, P. (2019) The TABI app as a method to replace a travel-diary study. 1<sup>st</sup> Mobile Apps and Sensors in Surveys workshop. 4-5 March, Mannheim: Germany.
- Schouten, J.G., Mussman, O. & Lugtig, P. (2019) The household budget survey: an app-assisted



- approach to improve data quality. 1<sup>st</sup> Mobile Apps and Sensors in Surveys workshop. 4-5 March, Mannheim: Germany.
- Struminskaya, B., Lugtig, P., Schouten, J.G., Toepoel, V. (2019) Willingness to collect smartphone-based measurements: asking for consent. 1<sup>st</sup> Mobile Apps and Sensors in Surveys workshop. 4-5 March, Mannheim: Germany.
- Lugtig, P. & Blom, A (2018) Advances in Modelling Attrition: The Added Value of Paradata and Machine Learning Algorithms. Big Surv Conference, 25-27 October 2018. Barcelona, Spain
- Elevelt, A., Toepoel, V., Lugtig, P., Bernasco, W. & Ruiter, S. de (2018). Using GPS-based locations to review data quality in a Time Use Study. Big Surv Conference, 25-27 October 2018. Barcelona, Spain
- Bakker, J, Haan, M., Lugtig, P. & Schouten, J.G. (2018) Using paradata to interpret an autoforward design. Big Surv Conference, 25-27 October 2018. Barcelona, Spain
- Struminskaya, B, Lugtig, P., Schouten, J.G., Toepoel, V., Haan, M. Dolmans, R, Meertens, V., Giesen, D., Luiten, A. (2018) Collecting Smartphone sensor measurements among the general population: willingness and nonparticipation bias. Big Surv Conference, 25-27 October 2018. Barcelona, Spain
- Lugtig, P. and Blom, A. (2018) It's the process stupid! Using Machine Learning to understand the relation between paradata and panel dropout. 26 July 2018. Methodology of Longitudinal Surveys Conference. Colchester, UK.
- Struminskaya, B., Toepoel, V., Lugtig, P., Schouten, J.G. (2018) Willingness to collect smartphone sensor data in a Dutch probability-based general population panel. 31 July 2018, Joint Statistical Meetings.
- Lugtig, P., Toepoel, V., Haan, M., Zandvliet, R. & Klein Kranenburg, L. (2018). Does smartphone-friendly survey design help to attract more and different respondents? 17 May 2018, conference of the American Association for Public Opinion Research, Denver, CO
- Lugtig, P. and Blom, A. (2018) It's the process stupid! Using Machine Learning to understand the relation between paradata and panel dropout. 18 May 2018, conference of the American Association for Public Opinion Research, Denver, CO
- Kolbas, V., Toepoel, V., and Lugtig, P. (2018) The Role of Cognitive and Non-cognitive Characteristics in Device Preference in a Longitudinal Online Survey. Poster presentation at the conference of the American Association for Public Opinion Research, Denver, CO
- Struminskaya, B., Toepoel, V., Lugtig, P., Haan, M., Schouten, J.G., and Luiten, A. (2018) Willingness to collect smartphone sensor data in a Dutch probability-based general population panel. 1 March 2018, GOR conference, Cologne
- Lugtig, P., Luiten, A. and Toepoel, V. (2017) Preparing a mobile survey design for official statistics. Nonresponse workshop. Utrecht: 30 August – 1 September
- Lugtig, P. and Blom, A. (2016) Using paradata to explain attrition in the German Internet Panel, Nonresponse workshop. Utrecht: 30 August – 1 September
- Lugtig, P., Luiten, A. and Toepoel, V. (2017) Preparing a mobile survey design for official statistics. European Survey Research conference. Lisbon: 17-21 July 2017
- Elevelt, A., Lugtig, P. and Toepoel, V. (2017) Predictors of nonresponse at different phases in a smartphone-only Time Use Survey. European Survey Research conference. Lisbon: 17-21 July 2017
- Haan, M., Lugtig, P. and Toepoel, V. (2017) A model for device use in online panel surveys. European Survey Research conference. Lisbon: 17-21 July 2017
- Toepoel, V. and Lugtig, P. (2017) Data chunking for mobile web: effects on data quality. European Survey Research conference. Lisbon: 17-21 July 2017
- Lugtig, P., and Toepoel, V. (2017) Data chunking for mobile web: effects on data quality. General Online Research conference. Berlin: 15-17 March 2017
- Elevelt, A., Lugtig, P. and Toepoel, V. (2017) Predictors of nonresponse at different phases in a smartphone-only Time Use Survey. General Online Research conference. Berlin: 15-17 March 2017

- Schouten, B., Lugtig, P. & Durrant, G. (2017) Adaptive multi-mode and multi-device survey design. New Techniques and Technologies for Statistics conference, 13-17 March, Brussels: Belgium.
- Lugtig, P. and Blom, A. (2016) Using paradata to explain attrition in the German Internet Panel, Politics of Reforms Research Conference. 7-8 December, Mannheim, Germany
- Lugtig, P. and Toepoel, V. (2016) Data chunking. Talk at opening of Research Innovation Network. 13 October 2016. Heerlen, the Netherlands
- Lugtig, P. and Blom, A. (2016) Using paradata to explain attrition in the German Internet Panel, EAM conference. 27-29 July 2016. Palma de Mallorca, Spain.
- Lugtig, P. and Blom, A. (2016) Using paradata to explain attrition in the German Internet Panel, 5<sup>th</sup> panel survey methods workshop. 20-21 June 2016. Berlin, Germany
- Toepoel, V. and Lugtig P. (2016) Adapting Surveys to the Mobile World: Data Chunking in the Dutch Probability-based LISS Panel, 70th AAPOR conference, 12-15 May 2016, Austin, Tx.
- Lynn, P. and Lugtig, P. (2015) Total Survey error for longitudinal surveys. Total Survey Error Conference, 19-21 September 2015, Baltimore, MD.
- Lugtig, P. (2015) A common metric for measurement and nonresponse error. Total Survey Error Conference, 19-21 September 2015, Baltimore, MD.
- Lugtig, P. and Toepoel, V. (2015) The use of Pcs, smartphones and tablets in a probability-based panel survey. Effects on survey measurement error. 6th ESRA conference, 13-17 July 2015, Reykjavik, Iceland
- Lugtig, P. (2015) Explaining attrition. Whether it occurs, how and when. 6th ESRA conference, 13-17 July 2015, Reykjavik, Iceland.
- Kamphuis, R., Jolani, S and Lugtig, P. (2015) The Blocked Imputation Approach as a Method to incorporate Information on why Data are Missing. 6th ESRA conference, 13-17 July 2015, Reykjavik, Iceland.
- Lugtig, P, Toepoel, V and Amin, A (2015) The Effects of Adding a Mobile-Compatible Design to the American Life Panel. 6th ESRA conference, 13-17 July 2015, Reykjavik, Iceland.
- Fikkers, K., Piotrowski, J., Lugtig, P. and Valkenburg, P. (2015) The Role of Perceived Peer Norms in the Relationship Between Media Violence Exposure and Adolescents' Aggression. *Etmaal van de Communicatiewetenschap*. 2 February 2015, Antwerp, Belgium
- Lugtig, P. (2014) A common metric for measurement and nonresponse error. Nonresponse workshop, 2-4 September 2014, Reykjavik, Iceland.
- Lugtig, P. and Toepoel, V. (2014) Mixed-devices in a probability-based panel survey. Effects on survey measurement error. Poster session: 4<sup>th</sup> panel survey methods workshop. 21-22 May 2014. Ann Arbor
- Lugtig, P. (2014) Are nonresponse and measurement error related? Evidence using a panel study. 4<sup>th</sup> panel survey methods workshop. 21-22 May 2014. Ann Arbor, MI
- Lugtig, P., Das, M. and Scherpenzeel, A. (2014) Nonresponse and attrition in a probability-based online panel survey for the general population. Presentation in panel on Internet Surveys. 68th AAPOR conference, 15-18 May 2014, Anaheim, CA.
- Lugtig, P. and Toepoel, V. (2014) Mixed-devices in a probability-based panel survey. Effects on survey measurement error. 68th AAPOR conference, 15-18 May 2014, Anaheim, CA.
- Lugtig, P. (2014) Are nonresponse and measurement error related? Evidence using a panel study. Poster presentation at 68th AAPOR conference, 15-18 May 2014, Anaheim, CA.
- Toepoel, V. and Lugtig, P. (2014) Mixed-devices in a probability-based panel survey. Effects on survey measurement error. General Online Research conference. 6 March 2014, Cologne, Germany:
- Schoot, A.G.J. van de, Kluytmans, A., Tummers, L., Lugtig, P., Hox, J. and Muthen, B. (2013) Facing off with choosing between Scylla and Charibdis: a comparison of scalar, partial and the novel possibility of approximate measurement invariance. First Southern European Conference on Survey Methodology. 16 December 2013: Barcelona, Spain.
- Lugtig, P. (2013) Measurement errors for loyal stayers and different types of attrition in the British

- Household Panel Study. Nonresponse workshop, 4-6 September 2013: London, UK.
- Toepoel V. and Lugtig P. (2013) What happens if you offer a mobile option to your web panel? 4th MESS workshop, 30-31 August 2013: The Hague, Netherlands.
- Lugtig, P. (2013) Latent class models to investigate the trade-off between measurement and attrition errors, Understanding Society Research Conference, 25 July 2013, Colchester, UK.
- Toepoel V. and Lugtig P. (2013) What happens if you offer a mobile option to your web panel? 5th ESRA conference, 15-19 July 2013, Ljubljana, Slovenia.
- Lugtig, P. (2013) Latent class models to investigate the trade-off between measurement and attrition errors, 5th ESRA conference, 15-19 July 2013, Ljubljana, Slovenia.
- Lugtig, P. (2013) Trade-offs between nonresponse and measurement error in the British Household Panel Survey. JESS seminar, ISER. 18 June 2013, Colchester, UK
- Lugtig, P. (2013) Panel attrition. Stayers sleepers and other respondents. 67th AAPOR conference, 16-19 May 2013, Boston, MA.
- Lugtig, P. (2013) Measurement effects in mixed mode panel surveys, NCRM opening conference on web surveys for the general population. 26 February 2013, London, UK
- Doornwaard, S., ter Bogt, T., Vollebergh, W. and Lugtig P. (2012) Developmental Trajectories of Adolescents Use of Sexually Explicit Internet Material, annual meeting of the Sex Science Association, November 8-11, Tampa, Florida.
- Lugtig, P. (2012) Data quality for off-seam months. Rc33 conference, 9-13 July, Sydney, Australia
- Lugtig, P. (2012) Data quality for off-seam months. 3<sup>rd</sup> Panel Survey Methods Workshop, 4-5 July 2012, Melbourne, Australia
- Lugtig, P. (2011) Panel attrition - Separating stayers, sleepers and lurkers, WAPOR conference, 22 September, Amsterdam, Netherlands.
- Lugtig, P. (2011) Trade-offs between nonresponse and measurement errors: indicators for panel surveys. 21st Nonresponse Workshop, 1-3 September 2011, Bilbao, Spain.
- Lugtig, P., Hox, J.J., de Leeuw, E.D and Scherpenzeel, A. (2011) Attrition in the LISS panel: stayers, sleepers and lurkers. European Survey Research Association Conference, 22-26 July, Lausanne.
- Lugtig, P., Hox, J.J., de Leeuw, E.D and Scherpenzeel, A. (2010) Attrition in the LISS panel, 20th Nonresponse workshop 29-31 August, Nürnberg, Germany.
- Lugtig, P., Hox, J.J., de Leeuw, E.D and Scherpenzeel, A. (2010) Attrition in the LISS panel, 2nd panel survey methods workshop, 5-7 July, Mannheim, Germany.
- Lugtig P. and Lensvelt- Mulders, G.J.L.M. (2010) Estimating nonresponse bias and mode effects in a mixed-mode survey, 65th AAPOR conference, 13-16 May 2010, Chicago, IL
- Lugtig, P. and Jäckle, A (2009) In-Interview edit checks: Effects on measurement error in non-labour income and estimates of household income and poverty, poster presentation at the 1st PPSM workshop, 11-12 November 2009. Bremen, Germany
- Lugtig, P. and Lensvelt-Mulders, G.J.L.M (2009) Improving data quality in a panel survey using Dependent Interviewing, paper presented at the ESRA conference, 29 June – 3 July 2009, Warsaw, Poland.
- Lugtig, P. and Lensvelt-Mulders, G.J.L.M (2008) Using subjective survey evaluation to reduce panel attrition, paper presented at the RC33 conference, 1-5 September 2008, Napoli, Italy
- Lugtig, P. (2008) Improving data quality in a panel survey using Dependent Interviewing, paper presented at the first Panel Survey Methods Workshop, 14 -15 July 2008, Colchester, UK
- Lensvelt-Mulders, G.J.L.M, Lugtig, P. and Feskens, R. (2007) Keeping them in: using subjective survey evaluations to reduce panel attrition, paper presented at International Household Survey Nonresponse Workshop, 3 September 2007, Southampton, UK.
- Lugtig, P., Lensvelt-Mulders, G.J.L.M and Hubregtse, M. (2007) A comparison of different ways to correct for self-selection bias in Internet Panel Surveys, paper presented at the ESRA conference, 25-29 June 2007, Prague, Czech Republic
- Lensvelt-Mulders, G.J.L.M., Lugtig, P. (2006) Non-coverage, Non-respons bij aanvang van een panel (in Dutch), presentation at DANS conference, 12 October 2006, The Hague, Netherlands

Oberski, Daniel, Saris, Willem E., Lugtig, P. and Bos, Linda (2005) Unusual election results explained by usual models for subgroups: the Dutch 2002 elections, paper presented at the ESRA conference, 18-22 July 2005, Barcelona: Spain.

## TEACHING

---

(unless stated otherwise, all teaching took place at Utrecht University)

### Qualifications:

University teaching qualification (Basiskwalificatie Onderwijs) obtained in 2008.

Senior Research qualification (Senior Kwalificatie Onderzoek) obtained in 2019.

Senior teaching qualification (Senior Kwalificatie Onderzoek).

Completed several workshops on teaching tutorial meetings, teaching in English, Ph.D. supervision, grant writing, honours teaching qualification.

Course in academic leadership, 2016-2017

Educational leadership programme, 2021-2022

Course for educational directors, 2023.

University leadership programme, 2023-2024

### Student supervision:

Ph.D. supervision:

- Ulrich Krieger (with Annelies Blom), University of Mannheim, 2014 – 2018 (graduated cum laude)
- Vilma Agalioti-Sgompou (with Peter Lynn), ISER, University of Essex 2013 – 2020
- Sabine Friedel (with Annelies Blom, University of Mannheim, 2017- 2021 (graduated cum laude)
- Anne Elevelt (with Vera Toepoel), Utrecht University, 2016 – 2021 (winner of ESRA best paper award 2021, and GOR thesis award 2022)
- Danielle McCool (with Barry Schouten), Utrecht University, 2018-present
- Danielle Remmerswaal (with Bella Struminskaya, Barry Schouten), Utrecht University, 2022-present.

Ph.D. viva committees:

- Camilla Salvatore, University of Bergamo, 2023
- Sebastian Kocar, National University Canberra, 2022
- Vanessa Torres van Grinsven, Utrecht University, 2015
- Emily Gilbert, University of Essex, 2015
- Bella Struminskaya, Utrecht University, 2014

M.A. and B.A. students:

- Zahroh Solichatus, MA methods and statistics, 2023
- Shannon Dickson, MA methods and statistics, 2023
- Florian van Leeuwen, MA methods and statistics, 2023
- Inan Bostanci, MA methods and statistics, 2022
- Marco Ramljak, MA methods and statistics, 2021
- Piet Jonker, MA methods and statistics, 2021
- Goran Ilic, MA methods and statistics, 2020
- Katie Roth, MA methods and statistics, 2019
- Laurent Smeets, MA methods and statistics, 2019
- Puck van Tussenbroek, BA sociology, 2019
- Boaz Sobrado, MA methods and statistics, 2018
- Naomi Smorenburg, BA psychology, 2018
- Gerrit Wijnands, BA sociology, 2018
- Hochun Wu, BA sociology, 2018
- Rianne Schouten, MA methods and statistics, 2017
- Rosanne Wolvers, MA methods and statistics, 2016
- Ghislaine van Bommel, BA paedagogics, 2016
- Matthijs Vogelaar, BA psychology, 2015

- Laurie Buitenhuis, BA paedagogics, 2015
- Roline Kamphuis, MA methods and Statistics, 2015
- Eva Janssen, BA psychology, 2012
- Gijs Deckers, BA psychology, 2012
- Leandra Huurdeman, MA educational sciences, 2009

### **Researcher training:**

- Quantitative Research methods. Dutch Institute for Social Research, January 2023
- Smartphones as a data collection tool for official statistics. 29-30 January 2020. Workshop for STATEC, official statistics agency in Luxembourg.
- Smartphones for data collection: Workshop at Kantar London. 5 November 2019
- GGD Brabant: Survey Design. 1-day training. August 2018
- University of Maastricht, department of government. 2-day course on questionnaire design, November 2010 (with Hennie Boeije and Remco Feskens).
- Verweij-Jonker Institute. 5-day course in survey methods (with Edith de Leeuw and Remco Feskens). February 2011.
- University of Amsterdam. 1-day course in longitudinal data analysis, October 2013.
- Erasmus University Rotterdam. 2-day course in Structural Equation Modeling. October 2012.

### **Postgraduate teaching;**

- Smart surveys: Integrating survey data and big data. Short Course at the European Survey Research Association conference. Milan, 17 July 2023. (with Bella Struminskaya).
- Smartphones: surveys and sensors. Short Course at the European Survey Research Association conference. Zagreb, 15 July 2019. (with Vera Toepoel).
- Smartphones. NCRM short course (with Mick Couper, Olga Maslovskaya), 18-19 Jun 2019.
- Smartphones: surveys and sensors. Short Course at the American Association for Public Opinion Research (AAPOR), Denver, CO. 16 May 2018. (with Vera Toepoel).
- Smartphones: surveys and sensors. Short Course at the European Survey Research Association conference. Lisbon: 17 July 2017. (with Vera Toepoel).
- Advanced survey methodology. Postgraduate course for the graduate school Interuniversity graduate school of Psychometric and Sociometrics (IOPS) (5 days), 2016-2018 (with Vera Toepoel & Bella Struminskaya).
- Summer school in advanced survey methodology – analysis and methodology. 2016 (with Barry Schouten, Bart Bakker and Astrea Camstra). Utrecht, the Netherlands.
- GESIS Summer school in survey methods. Course 'Introduction to survey design', 2012-2016, 2018 (with Annelies Blom, Ulrich Krieger & Bella Struminskaya). Cologne, Germany
- ECPR winter school. Course 'Introduction to survey methodology, 2016. Bamberg, Germany
- 'MPLUS how to get started' (1 day), 2012-2013.
- 'Longitudinal Data Analysis' (5 days), 2011-2015 (with Joop Hox, Rens van de Schoot, Ellen Hamaker and Mirjam Moerbeek).
- 'Introduction to SEM using MPLUS' (5 days), 2011-2015 (with Joop Hox and Rens van de Schoot).
- 'Advanced SEM using MPLUS' (5 days), 2011-2016 (with Joop Hox, Rens van de Schoot, Mirjam Moerbeek and Ellen Hamaker).

### **Graduate teaching:**

- Survey data analysis. Research Master Methods and Statistics for the Social Behavioral and



Biomedical Sciences, 2017-2019 (with Jean-Paul Fox), 2020-2022 (with Stef van Buuren, Vera Toepoel, Bella Struminskaya and Gerko Vink)

- Research Seminar (soft skills). Research Master Methods and Statistics for the Social Behavioural and Biomedical Sciences, 2016-2018 (with Irene Klugkist)
- Structural Equation Modeling, Research Master programme 1) Educational Sciences, 2) Methodology and Statistics, 3) Developmental Psychology, 2013, 2015.
- Advanced Survey Methodology, Research Master in Methods and Statistics for the Social and Behavioural Sciences, 2009 – 2012 (with Joop Hox and Edith de Leeuw).
- Multivariate Statistics, Research Master Educational Sciences, 2012-2014.
- Multivariate Statistics, Research Master Developmental Psychology, 2015-2016
- Multivariate Statistics, Research Master Migration and Ethnic Relations, 2018-2019 (with Jeroen Weesie)

### **Undergraduate teaching:**

- Basics of Research Methods for Data science students, 2020-2021.
- Tutorials on Questionnaire design, BA Sociology, 2006-2011, 2019.
- Methods and Statistics 1 (KOM), BA course for all social science students, 2022
- Methods and Statistics 2 (TOE), BA course for educational sciences and pedagogics, 2023
- Conducting a Survey, minor Methods and Statistics, 2010-2011 (with Irene Klugkist).
- Theory Construction and Statistical Modeling. Minor in Methods and statistics (with Leoniek Wijngaards and Manon Bouman), 2011-2013
- Structural Equation Modeling, University College Utrecht, 2008-2013 (with Rens van de Schoot, Joop Hox, Gerty Lensvelt-Mulders and Manon Bouman).
- Methodology of Social Sciences (MTS1). All 1<sup>st</sup> year students in Psychology, Pedagogics, Educational Sciences, Sociology, Anthropology, 2011-2016 (with Marieke den Otter and Vera Toepoel).
- Methods and Statistics 1. University College Utrecht, 2007- 2009.
- Coordinator 1<sup>st</sup> year of Honours programme, Faculty of Social Sciences, 2014 -2017.

### **Other:**

- Board member of the European Master of Official Statistics (EMOS) programme. Eurostat, 2020 - present
- Coordinator of the European Master of Official Statistics (EMOS) at Utrecht University, 2018-2022.
- Consultation for about 200 students (Ba and Ma) and 100 employees from the faculty of social sciences on their research on research designs and statistical analyses.
- Member of Educational Advisory Committee Sociology, 2010-2011.
- Member of the Educational Management team of the department: 2020 – present.
- Member of Educational Advisory Committee Faculty of Social Sciences, 2014-2020.
- Search committee for new assistant professors in methods and statistics, 2011, 2015, 2016, 2018, 2021, 2022.
- Contactperson for faculty on conducting web-surveys, 2007-2014.