

Lehtonen, Risto

Risto Lehtonen

Professori
Professor
Professor



[The World of Statistics](#)

[ISI \(@IntStat\) on Twitter](#)

[The 63th World Statistics Congress of the ISI](#), 11-15 July 2021 in The Hague, The Netherlands

[The 62th World Statistics Congress of the ISI](#), 18-23 August 2019 in Kuala Lumpur, Malaysia

[IASS](#) - International Association of Survey Statisticians, a section of the [ISI](#)

Tutkimus / Forskning / Research

[Research database TUHAT](#)

[Biosketch](#)
[CV](#)

Latest invited presentations

Lehtonen R. [On balanced sampling and calibration estimation in survey sampling](#), 5th Baltic-Nordic Conference on Survey Statistics, Örebro, June 2019.

Lehtonen R. (with A. Veijanen) [Small domain estimation with calibration methods](#), Italian Conference on Survey Statistics, ITACOSM2019 Conference, Florence, June 2019.

Lehtonen R. (with A. Veijanen) [Small area estimation with calibration methods](#), 10ème Colloque Francophone sur les sondages, Lyon, October 2018.

Lehtonen R. (with A. Veijanen) [A two-level hybrid calibration technique for small area estimation](#), Small Area Estimation Conference SAE2017, Paris, June 2017.

Lehtonen R. (with A. Veijanen) [Calibration methods for domain and small area estimation](#), Summer School of the Baltic-Nordic-Ukrainian Network on Survey Statistics, Kyiv, August 2016.

Lehtonen R. (with A. Veijanen) [Small area estimation by calibration methods](#), World Statistics Congress of the ISI, Rio de Janeiro, August 2015.

Latest publications

[Maciej Bersewicz, Risto Lehtonen, Fernando Reis, Loredana Di Consiglio, Martin Karlberg \(2018\) An overview of methods for treating selectivity in big data sources, 2018 edition](#). Luxembourg: Eurostat, Statistical Working Papers.

Lehtonen R. and Veijanen A. (2016) Estimation of poverty rate and quintile share ratio for domains and small areas. In: Alleva G. and Giommi A. (Eds.) *T opics in Theoretical and Applied Statistics*. New York: Springer .

Härkänen T., Karvanen J., Tolonen H., Lehtonen R., Djerf K., Juntunen T. and Koskinen S. (2016) Systematic handling of missing data in complex study designs - experiences from the Health 2000 and 2011 Surveys. *Journal of Applied Statistics* 43, 15, 2772-2790.

Lehtonen R. and Veijanen A. (2016) Model-assisted methods to small area estimation of poverty indicators. In: Pratesi M. (Ed.) (2015). *Analysis of Poverty Data by Small Area Estimation*. Chichester: Wiley.

Goldstein H., Lynn P., Muniz-Terrera G., Hardy R., O'Muircheartaigh C., Skinner C. and Lehtonen R. (2015) Population sampling in longitudinal surveys debate. *Longitudinal and Life Course Studies*, 6, 447-475

Opetus / Undervisning / Teaching

2018

Mini course on Small area estimation by calibration and model-assisted methods with applications, 8 May 2018, University of Pisa, Italy
[Pdf materials](#) (zipped folder) for students

2017

Mini course: Small area estimation with a design-based perspective, 28 January 2017, Poznan University of Economics, Poland

Mini course: Small area estimation by calibration and model-assisted methods with applications, 17 May 2017, University of Pisa, Italy

2016

[Mini course: ANALYSIS OF EUROPEAN DATA BY SMALL AREA METHODS](#) Reweighting estimates from European sample surveys, 18 May 2016, University of Pisa, Italy

[Analysis of complex survey Data, spring 2016](#),

2015

[Survey Sampling](#), Autumn 2015

[Research seminar in statistics, fall 2015 and spring 2016](#)

[Small Area Estimation](#), Spring 2015
Risto Lehtonen

[Sosiaalitutkimuksen tilastolliset menetelmät, kevät 2015](#)
Risto Lehtonen, Kimmo Vehkalahti, Pekka Pere, Jyrki Möttönen

[Research seminar in statistics, fall 2014 and spring 2015](#)
Juha Alho, Risto Lehtonen

2014

[Otantamenetelmät](#), syksy 2014
Risto Lehtonen

[Otanta-aineistojen analyysi, kevät 2014](#)
Risto Lehtonen

[Sosiaalitutkimuksen tilastolliset menetelmät, kevät 2014](#)

Risto Lehtonen, Kimmo Vehkalahti, Pekka Pere, Jyrki Möttönen

[Modelling hierarchically structured data with MLwiN software, spring 2014](#)

Prof. Antero Malin (JY), Risto Lehtonen

[Short Course: Panel surveys in social and economic research and the treatment of nonresponse, spring 2014](#)

Prof. Ulrich Rendtel (Freie Universität Berlin), Risto Lehtonen

[Research seminar in statistics, fall 2014 and spring 2015](#)

Juha Alho, Risto Lehtonen

2013

[Topics in Survey Methodology and Survey Analysis, fall 2013](#)

Seppo Laaksonen, Risto Lehtonen, Kimmo Vehkalahti

[Otantamenetelmät, syksy 2013](#)

Risto Lehtonen

[Pienalue-estimointi, kevät 2013](#)

Risto Lehtonen

[Sosiaalitutkimuksen tilastolliset menetelmät, kevät 2013](#)

Risto Lehtonen, Kimmo Vehkalahti, Pekka Pere, Jyrki Möttönen

[Research seminar in statistics, fall 2013 and spring 2014](#)

Juha Alho, Risto Lehtonen

Oppikirjat / Böcker / Textbooks

Lehtonen R. and Pahkinen E. (2004):

[Practical Methods for Design and Analysis of Complex Surveys.](#)

Second Edition. Chichester: John Wiley & Sons.

Käsikirjat / Handböcker / Handbooks

Lehtonen R. and Veijanen A. (2009): Design-based Methods of Estimation for Domains and Small Areas. Chapter 31 in D. Pfeffermann and C. R. Rao (Eds.) [Handbook of Statistics - Sample Surveys: Inference and Analysis](#), Volume 29B. The Netherlands: Elsevier, pp. 219-250.

Verkko-opetus / Virtual undervisning / Virtual teaching

Virtual Laboratory in Survey Sampling [VLISS](#)

Web extension of Lehtonen and Pahkinen (2004) (Updated user interface)

CROS portal - Collaboration between Researchers and Official Statisticians

[NTTS 2019 Conference](#)

New Techniques and Technologies for Statistics
12-14 March 2019 in Brussels

[NTTS 2017 Conference](#)

New Techniques and Technologies for Statistics
14-16 March 2017 in Brussels

[NTTS 2015 Conference](#)

New Techniques and Technologies for Statistics
10-12 March 2015 in Brussels

[NTTS 2013 Conference](#)

New Techniques and Technologies for Statistics
5-7 March 2013 in Brussels

[EMOS](#) - European Master in Official Statistics

[CROS Portal](#) Collaboration between Researchers and Official Statisticians

[Analysis of the future research needs for Official Statistics](#)

has been published by Eurostat (statistical office of the EU)

Baltic-Nordic-Ukrainian (BNU) Network on Survey Statistics

[BNU Website](#)

EVENTS:

[Fifth Baltic-Nordic Conference on Survey Statistics, BaNoCoSS 2019](#), 16-20 June 2019 in Örebro, Sweden

[Workshop of Baltic-Nordic-Ukrainian Network on Survey Statistics 2018](#), 21-24 August 2018 in Jelgava, Latvia

[Workshop of Baltic-Nordic-Ukrainian Network on Survey Statistics 2017](#), 21-24 August 2017 in Vilnius, Lithuania

[Summer School on Survey Statistics Theory and Methodology 2016](#), 22-26 August 2016 in Kyiv, Ukraine

[Fourth Baltic-Nordic Conference on Survey Statistics, BaNoCoSS 2015](#), 24-28 August 2015, Helsinki

[Workshop of Baltic-Nordic-Ukrainian Network in Survey Statistics](#), 25-28 August 2014 in Tallinn, Estonia

[Summer School on Survey Statistics Theory and Methodology 2013](#), 13-19 June 2013 in Minsk, Belarus

[Workshop of Baltic-Nordic-Ukrainian Network on Survey Statistics](#), 24-28 August 2012 in Valmiera, Latvia
Download [Proceedings](#)

[Third Baltic-Nordic Conference on Survey Statistics, BaNoCoSS2011](#), 13-17 June 2011 in Norrfällsviken, Sweden
Download [Proceedings](#)

Pienalue-estimointi / Skattningar på små områden / Small area estimation (SAE)

SAE 2018 - Small Area Estimation 2018, 16-18 June 2018, Shanghai, China

[SAE 2017 Conference](#), Paris, France

[SAE 2016 Conference](#), Maastricht, The Netherlands

[SAE 2014 Conference](#), Poznan, Poland

[SAE 2013 Conference](#), Bangkok, Thailand

[SAE 2011 Conference](#), Trier, Germany

[SAE 2009 Conference](#), Elche, Spain

[SAE 2007 Conference](#), Pisa, Italy

[SAE 2005 Conference](#), Jyväskylä, Finland

[EWORSAE Website](#)

Muita konferensseja / Andra konferenser / Additional conferences

Workshop on Small Area Methods and Living Conditions Indicators in European Poverty Studies in the Era of Data Deluge and Big Data, 8-10 May 2018, Pisa, Italy.

[Francophone Survey Sampling Colloquium](#), 24-26 October 2018 in Lyon, France.

Laeken-indikaattorit / Laeken-indikatorerna / Indicators on poverty and social exclusion (Laeken Indicators)

[AMELI Website](#) Advanced Methodology for European Laeken Indicators (EU FP7 research project)

Yhteystiedot

Huone: 301
Osoite: PL 18 (Unioninkatu 35)
00014 Helsingin yliopisto
Puhelin: 050-5593346
Sähköposti: risto.lehtonen 'at' helsinki.fi
Vastaanottoajat: sop. mukaan (risto.lehtonen 'at' helsinki.fi)

Kontaktinformation

Rum: 301
Adress: PB 18 (Unionsgatan 18)
00014 Helsingfors universitet
Telefon: 050-5593346
Epost: risto.lehtonen 'at' helsinki.fi
Mottagningstid: enl. överenskommelse (risto.lehtonen 'at' helsinki.fi)

Contact information

Room: 301
Address: P.O. Box 18 (Unioninkatu 35)
FI-00014 University of Helsinki
Telephone: +358-50-5593346
Email: risto.lehtonen 'at' helsinki.fi
Office hours: by appointment