

CURRICULUM VITAE

1. Full name and date

Name: Kuosmanen, Timo Kalevi
Gender: Male
Date of writing the CV: 8th March 2019

2. Date and place of birth, nationality, current residence

Date and place of birth: 8 May 1974, Joensuu, Finland.
Nationality: Finnish.
Current residence: Helsinki, Finland

3. Date and place of birth, nationality, current residence

Date and place of birth: 8 May 1974, Joensuu, Finland.
Nationality: Finnish.
Current residence: Helsinki, Finland

4. Education and degrees awarded

Doctor of Economics (Quantitative Methods), Helsinki School of Economics, 2001.
M.Sc. (Economics), University of Joensuu, 1996.
Docent, University of Eastern Finland, Department of Business, 2005.

5. Other education and training, qualifications and skills

Finnish Doctoral Programme in Economics (FDPE): Core doctoral courses in Macroeconomics (Spring term 1997) and Microeconomics (Autumn term 1997).

6. Languages

Mother tongue: Finnish
Other languages: English (Full professional proficiency), Swedish (Limited working proficiency).

7. Current position

Aalto University School of Business, Department of Information and Service Management.
Professor of Business Mathematics and Statistics 1/2009 –

8. Previous work experience

MTT Agrifood Research Finland, Economic Research Unit.
Research professor, 3/2006 – 7/2009.
Wageningen University, Environmental Economics and Natural Resources Group, The Netherlands.
Assistant Professor, 2/2002 – 2/2006
University of Copenhagen, Institute of Mathematics, Denmark.
Assistant Professor, 8/2001 – 1/2002

9. Research funding, leadership and supervision

Major research funding:

Aalto Energy Efficiency Program (AEF). €260,000 for the project “Sustainable transition of European energy markets – STEEM”, 2013-2017.

Finnish Ministry of Agriculture and Forestry. €107,000 for the project ”Impacts of Agricultural Subsidies and Productivity on the Price Formation and Margins in the Food Chain”. 2007-2009.

EU Commission (FP6): €91,900 for the project ”Sustainable Value Analysis of Policy and Performance in the Agricultural Sector”. 2007-2010.

Finnish Ministry of the Environment. €65,000 for the research project “Measurement of Eco-efficiency Using DEA”. 2003-2005.

Emil Aaltonen Foundation. €167,000 for the project “Nonparametric Methods in Economics of Production, Natural Resources, and the Environment (NOMEPRE)”. 2003-2005.

Leadership in research work:

Professor in charge of the doctoral program in management science, 2014-2015, 2017-.

Professor in charge of the common scientific doctoral studies in quantitative methods, 2009-2014.

Professor in charge of the doctoral program in quantitative methods of economics and management science, 2009-2014.

Supervision of postdoctoral researchers:

Abolfazl Keshvari (2014), Antti Saastamoinen (2014).

Main supervisor of doctoral dissertations: Abolfazl Keshvari (2014), Antti Saastamoinen (2014), Xiaofeng Dai (2016), Peter Palmroos (2016), Sami Pakarinen (2018).

Co-supervisor of doctoral dissertations: Pablo Benitez Ponce, Wageningen Univ. (2005); Vincent Otto, Wageningen Univ. (2006); Timo Sipiläinen, Univ. Helsinki (2008), Mika Kortelainen, Univ. Joensuu (2008), Juha Eskelinen, Aalto University (2014), Natalia Kuosmanen, Univ. Helsinki (2014).

Current doctoral students: Xun Zhou, Tuan Nguyen, Sheng Dai.

10. Merits in teaching and pedagogical competence

Member of the Quality Committee of Aalto University School of Business, 1/9 2012 – 31/7 2014.

Involvement in curriculum planning

Subject area coordinator of Management Science, Aalto BIZ, August 2013 – December 2015, December 2017 – present

Subject area coordinator of Quantitative Methods, April 2012 – July 2013

Implementation of courses: more than 20 years of teaching experience at both undergraduate and graduate levels, in English and in Finnish.

11. Awards, prizes and honours

Management Science Strategic Innovation Prize 2004 (€12,000) awarded by the Association for European Operational Research Societies (EURO) for the paper T. Kuosmanen, L. Cherchye, and

T. Sipiläinen: “The Law of One Price in Data Envelopment Analysis: Restricting Weight Flexibility Across Firms”.

12. Other scientific or academic merits:

Service as a preliminary examiner or opponent of doctoral dissertations;

Xiaomei Cheng, Norwegian School of Economics (2015), Tomasz Czekaj, University of Copenhagen (2014), Liu Xing, Hanken School of Economics (2012), Niko Suhonen, Univ. Eastern Finland (2012), Terhi Latvala, Univ. Helsinki (2009), Stefan Bäckman, Univ. Helsinki (2008), Janne Tukiainen, Univ. Helsinki (2008), Mykhaylo Salnykov, Simon Fraser Univ. (2008).

Evaluation of academic competence;

Gholamreza Amin, *Associate Professor*, Sultan Qaboos University, Oman (2013), Pablo Benitez, *Senior Economist*, World Bank (2010), John Ruggiero, *Professor*, Univ. of Dayton (2009), Mika Kortelainen, *Lecturer*, Univ. of Manchester (2009), Ozren Despic, *Lecturer*, Aston Univ. (2008), Mika Kortelainen, *Research Associate*, Aston Univ. (2008).

Positions of trust in scientific communities;

Finnish Operational Research Society (FORS): president 2013-2015, board member 2012-2015.

Memberships in scientific communities;

Finnish Economic Association, The Econometric Society, Institute of Operations Research and Management Science (INFORMS), The International Association of Energy Economists (IAEE).

Membership in national or international expert groups, evaluation or steering committees;

Reviewer of research proposals for Natural Sciences and Engineering Research Council of Canada, Polish National Agency for Academic Exchange (NAWA), Flamish Research Council (FWO), and the Netherlands Organisation for Scientific Research (NWO).

Steering committee of project ”Julkisten palvelujen tuottavuusseurannan kehittäminen”, Prime Minister’s Office.

General Chair, 13th and 14th European Workshop of Efficiency and Productivity Analysis (EWEPA), Helsinki, Finland, 2013 and 2015.

Scientific committee memberships:

- 10th-13th International DEA Conferences, 2012-2015.
- 11th-14th European Workshop of Efficiency and Productivity Analysis (EWEPA), 2011-2015.
- 2nd International Eco-Efficiency Conference, 28-30 June, Egmond aan Zee, The Netherlands.

Positions as editor-in-chief, editor, or member of editorial boards of scientific and scholarly journals and publication series;

Heliyon (Associate Editor and Editorial Board member 2018 – present)

Journal of Productivity Analysis (Associate Editor and Editorial Board member 2005 – 2018)

Referee of scientific journals (classified by JUFO rating):

4 JUFO 3 journals: *Journal of Economic Theory, Journal of Business and Economic Statistics, Management Science, Operations Research.*

13 JUFO 2 journals: e.g. *Ecological Economics, European Journal of Operational Research, Journal of Applied Econometrics, Journal of Banking and Finance, Journal of Econometrics, Journal of Environmental Economics and Management, Scandinavian Journal of Economics.*

40 JUFO 1 journals: e.g., *Energy Economics, The Energy Journal, Environmental and Resource Economics, European Review of Agricultural Economics, Utilities Policy.*

Administrative responsibilities at higher education institutions or at research organisations:

Aalto University School of Business, Committee of Academic Affairs, Deputy member 2018 -.

Aalto University Energy Platform, Deputy board member 2016 - present.

Invited keynote lectures:

6th IAEE Asian Conference, 2-4 November 2018, Wuhan, China.

X North American Productivity Workshop (NAPW), 12-15 June 2018, Miami, USA.

Data Envelopment Analysis 40-year Anniversary Conference, 16-18 April 2018, Birmingham, UK.

VI North American Productivity Workshop (NAPW), 2-5 June 2010, Houston, USA.

XX EURO Conference on Operational Research, 4-7 July, 2004, Rhodes, Greece.

13. Scientific and societal impact of research

Scientific impact according to bibliometric statistics

	Scopus	Google scholar
number of publications	61	173
citations	2030	4485
h-index	28	37

Merits related to the application of research results:

The Finnish energy authority (Energiavirasto) applies my research results in incentive regulation of electricity distribution networks since 2012.

Participation in societal preparatory and policy-related processes

Expert witness for the Finnish Market Court, 2012.

Expert hearing at the Agriculture and Forestry Committee, Parliament of Finland, 2008.

Merits in science communication and expert assignments in the media

Member of the Finnish Economic Experts Panel (ekonomistikone; suomalainen ekonomistipaneeli).

14. Positions of trust in society and other societal merits

Board memberships:

Sigma-Hat Economics Oy, board member and equity partner since 2011.

Fortum Foundation's Board of Directors, deputy member, 2019-2021.

15. Most important publications

1. Kuosmanen, T. (2004) Efficient diversification according to stochastic dominance criteria, *Management Science* 50 (10), 1390-1406.
2. Kuosmanen, T. (2005) Weak disposability in nonparametric production analysis with undesirable outputs, *American Journal of Agricultural Economics* 87(4), 1077-1082.
3. Kuosmanen, T., and M. Kortelainen (2005) Measuring eco-efficiency of production with data envelopment analysis, *Journal of Industrial Ecology* 9(4), 59-72.
4. Kuosmanen, T., L. Cherchye, and T. Sipiläinen (2006) The law of one price in data envelopment analysis: Restricting weight flexibility across firms, *European Journal of Operational Research* 170(3), 735-757.
5. Kuosmanen, T., T. Post, and S. Scholtes (2007) Non-parametric tests of productive efficiency with errors-in-variables, *Journal of Econometrics* 136 (1), 131-162.
6. Kuosmanen, T. (2008) Representation theorem for convex nonparametric least squares, *The Econometrics Journal* 11(2), 308-325.
7. Kuosmanen, T., and A.L. Johnson (2010) Data envelopment analysis as nonparametric least-squares regression, *Operations Research* 58(1), 149-160.
8. Kuosmanen, T., and M. Kortelainen (2012) Stochastic non-smooth envelopment of data: semi-parametric frontier estimation subject to shape constraints, *Journal of Productivity Analysis* 38(1), 11-28.
9. Kuosmanen, T. (2012) Stochastic semi-nonparametric frontier estimation of electricity distribution networks: Application of the StoNED method in the Finnish regulatory model, *Energy Economics* 34(6), 2189-2199.
10. Yagi, D., Y. Chen, A.L Johnson, and T. Kuosmanen (2019) Shape constrained kernel-weighted least squares: Estimating production functions for Chilean manufacturing industries, *Journal of Business and Economic Statistics*, in press.

A full list of publications and citation statistics is available in my Google Scholar profile:

<https://scholar.google.com/citations?user=FvE1JhcAAAAJ&hl=en>