

1. Personal details

Name: Helske, Jouni Veikko Taneli (previously Lehtonen)

ORCID: 0000-0001-7130-793X

Year of birth: 1983

Nationality: Finnish

2. Education and degrees completed

9/12/2015 PhD in Statistics, University of Jyväskylä, Finland

25/8/2010 MSc in Statistics, University of Jyväskylä

28/7/2010 BSc in Statistics, University of Jyväskylä

3. Current position

1/9/2019–present **Postdoctoral Researcher in Bayesian modelling and causal inference**
Department of Mathematics and Statistics, University of Jyväskylä

4. Previous work experience

16/10/2017–31/8/2019 **Postdoctoral Researcher in information visualization**
Department of Science and Technology, Linköping University, Sweden

1/1/2016–15/10/2017 **Postdoctoral Researcher in scalable Bayesian modelling**
Department of Mathematics and Statistics, University of Jyväskylä, Finland
International research visits:
9/2016–7/2017 Dept. of Statistics, University of Oxford, UK
9/2017–10/2017 Dept. of Information Technology, Uppsala University, Sweden

1/9/2010 –31/12/2015 **Doctoral Student in state space models and time series prediction**
Department of Mathematics and Statistics, University of Jyväskylä, Finland

1/6/2010 –31/8/2010 **Research Assistant in hidden Markov models and clustering life course data**
Department of Signal Processing, Tampere University of Technology, Finland

In addition, in 2016-2018 I have provided statistical consultancy for Finnish Environment Institute on project SAVE which studied the effects of gypsum in agriculture.

5. Career breaks

1/1/2013–31/8/2014 Parental leave between October 2013 and August 2014.

6. Personal research funding and grants

2013 Emil Aaltonen Foundation: Scholarship for full-time doctoral studies 25000€.

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7. Leadership and supervision experience

I will be a main supervisor of Tiia-Maria Pasanen who starts her PhD studies in Statistics in Spring 2020.

8. Teaching experience

Course	Organization	ECTS	Role	Level	Language	Years
Graduate Lecture series	Oxf		Guest lecture (computationally efficient state space modelling)	PhD	English	2017
Stochastic simulation	JYU	4	Lab supervision	MSc	English	2016
Basics in statistics 2	JYU	5	Lab supervision	BSc	Finnish	2016
R Course	JYU	2	Course director & Lecturer	Bsc	Finnish	2015, 2014, 2013, 2012 (x2)
Time series analysis	JYU		Guest lecture (state space modelling)	Bsc	Finnish	2015
Statistical computing seminar	JYU	3	Course director & Lecturer	PhD	English	2013
Basics in statistics 1	JYU	6	Lab supervision	Bsc	Finnish	2011, 2010, 2008
Sampling methods	JYU	6	Lab supervision	Bsc	Finnish	2011
Advanced course in statistics	JYU	9	Lab supervision	Bsc	Finnish	2010
Basic course in statistics	JYU	6	Lab supervision	Bsc	Finnish	2008

Oxf: Dept. of Statistics, University of Oxford; JYU: Dept. of Mathematics and Statistics, University of Jyväskylä

9. Experience of organising scientific meetings

Member of the organizing committee for

- Novel approaches to numerical challenges related to environmental monitoring, 2015, Jyväskylä, Finland.
- Statistical Days 2013, 2013, Jyväskylä, Finland.
- Seminar on Current Doctoral Research in Biostatistics, Statistics and Related Areas, 2011, Helsinki, Finland.

10. Patents, inventions, awards and honours

2016 Longitudinal Data Analysis Contest Award, LaCOSA II Conference, Lausanne, Switzerland.
 2015 Best poster award, UseR! 2015 Conference, Aalborg, Denmark.

11. Other key scientific or academic merits

- **Reviewer** for journals Australian & New Zealand Journal of Statistics, Industrial & Engineering Chemistry Research, Stat, Stochastic Environmental Research and Risk Assessment, Sensors, and CHI 2019 conference.
- **I have produced eight R statistical software packages as a result of my research.**