

DAVID STENLUND

Curriculum vitae

PERSONAL DETAILS

Name **David Stenlund**
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DEGREES

Doctor of Philosophy (Ph. D.) in mathematics 28 Oct. 2020
Åbo Akademi University, Turku, Finland
Supervisor: Paavo Salminen

Master of Science (M. Sc.) in applied mathematics 17 June 2014
Åbo Akademi University, Turku, Finland

Bachelor of Science (B. Sc.) in mathematics 19 June 2012
Åbo Akademi University, Turku, Finland

CURRENT EMPLOYMENT

Postdoctoral research and teaching fellow Sept. 2021 –
University of British Columbia, Vancouver, Canada
Supported by research grants from the Swedish Cultural Foundation in Finland
and the Magnus Ehrnrooth Foundation.

PREVIOUS EMPLOYMENT

Postdoctoral researcher Nov. 2020 – July 2021
Åbo Akademi University, Turku, Finland

University lecturer Jan.–July 2020
Åbo Akademi University, Turku, Finland
Responsible for teaching two undergraduate courses on probability theory.

Doctoral student Oct. 2014 – Dec. 2019,
Åbo Akademi University, Turku, Finland Aug.–Oct. 2020
Partial parental leave (50 %) during Oct.–Dec. 2016.

RESEARCH FUNDING AND GRANTS

Personal grant for postdoctoral research, extension The Swedish Cultural Foundation in Finland, 43 000 € The Magnus Ehrnrooth Foundation, 29 000 €	Sept. 2022 – Aug. 2023
Personal grant for postdoctoral research The Swedish Cultural Foundation in Finland, 40 000 € The Magnus Ehrnrooth Foundation, 29 000 €	Sept. 2021 – Aug. 2022
Personal grants (2) for doctoral studies and postdoctoral research The Magnus Ehrnrooth Foundation, total 26 000 €	Aug. 2020 – July 2021
Personal grant for doctoral studies The Magnus Ehrnrooth Foundation, 23 000 €	Feb.–Dec. 2019

PUBLICATIONS

REFEREED JOURNAL ARTICLES

- S. Stenlund, L. Måsse, D. Stenlund, L. Sillanmäki, K. C. Appelt, H. Koivumaa-Honkanen, P. Rautava, S. Suominen, & D. M. Patrick (2023). [Do patients' psychosocial characteristics impact antibiotic prescription rates?](#) *Antibiotics* **12**(6), 1022.
- D. Stenlund (2022). [On the connection between Stirling numbers and Bessel numbers.](#) *Electronic Journal of Combinatorics* **29**(1), P1.40.
- S. Stenlund, N. Junntila, H. Koivumaa-Honkanen, L. Sillanmäki, D. Stenlund, S. Suominen, H. Lagström, & P. Rautava (2021). [Longitudinal stability and interrelations between health behavior and subjective well-being in a follow-up of nine years.](#) *PLoS ONE* **16**(10), e0259280.
- P. Salminen and D. Stenlund (2021). [On occupation times of one-dimensional diffusions.](#) *Journal of Theoretical Probability* **34**, 975–1011.
- D. Stenlund and J. G. Wan (2019). [Some double sums involving ratios of binomial coefficients arising from urn models.](#) *Journal of Integer Sequences* **22**, Article 19.1.8, 1–17.
- D. Stenlund (2018). [On the Mabinogion urn model.](#) *Advances in Applied Probability* **50**, 327–346.

DOCTORAL THESIS

- D. Stenlund (2020). [Hitting times in urn models and occupation times in one-dimensional diffusion models.](#) Åbo Akademi University.

TEACHING MERITS

COURSE INSTRUCTOR, UNIVERSITY OF BRITISH COLUMBIA

Applied Linear Algebra	Fall 2023
Applied Linear Algebra	Spring 2023
Applied Linear Algebra	Fall 2022
Probability II	Spring 2022
Introduction to Probability	Spring 2022
Applied Linear Algebra	Fall 2021

COURSE INSTRUCTOR, ÅBO AKADEMI UNIVERSITY

Probability Theory, Part 1 Spring 2020
 Probability Theory, Part 2 Spring 2020

TEACHING ASSISTANT, ÅBO AKADEMI UNIVERSITY

Financial Mathematics Spring 2019
 Probability Theory, Part 2 Spring 2018
 Probability Theory, Part 1 Spring 2018
 Poisson and Related Processes Spring 2017
 Markov Chains Spring 2017
 Probability Theory, Part 2 Spring 2016
 Probability Theory, Part 1 Spring 2016
 Mathematical Analysis Fall 2014
 Matrices, Part 2 Spring 2012
 Matrices, Part 1 Spring 2012
 Introduction to Semigroups Fall 2011
 Basic Probability Theory Fall 2011
 Basic Probability Theory Fall 2010

OTHER TEACHING

Cryptography workshop for school groups, Åbo Akademi University 2018–2019

SELECTED TALKS

“Moments of occupation times on spider diffusion rays” Oct. 2021
 UBC Probability Seminar, Vancouver, Canada
 “Moments of occupation times for one-dimensional diffusions” July 2019
 Stochastic Processes and their Applications (SPA), Evanston, IL, USA
 “Time to absorption in the Mabinogion urn model” June 2018
 Stochastic Processes and their Applications (SPA), Göteborg, Sweden
 “Time to absorption in the Mabinogion urn model” July 2017
 European Meeting of Statisticians (EMS), Helsinki, Finland

AWARDS AND HONOURS

Nominated for the annual Postdoctoral Teaching Prize at UBC Mathematics Nov. 2023,
 Oct. 2022,
 Oct. 2021
 Ruth and Nils-Erik Stenbäck Foundation research grant award, 30 000 € March 2023,
 April 2021
 Winner of the 3 Minute Thesis (3MT) competition at Åbo Akademi University Oct. 2016

OTHER MERITS

Winner of the Nordic Sudoku Championship Dec. 2005

LANGUAGE SKILLS

Swedish	Native
English	Fluent
Finnish	Fluent
German	Conversational
Mandarin	Elementary

DATE OF THE CV

Last updated November 30, 2023.