



# Jacob Østergaard

PhD fellow in Statistics



20 Juni 1983



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www.jacobostergaard.com

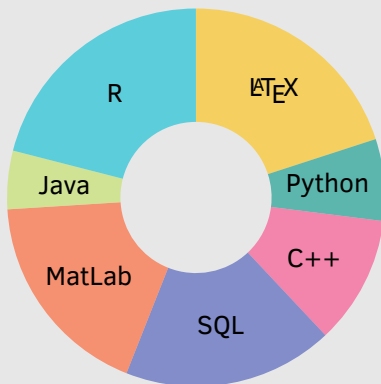


jacobostergaard@gmail.com

## Character



## Skills



Danish ★★★★★

English ★★★★★

German ★★★★☆

French ★★★★☆

## Education

2015-	Ph.D. (Statistics)	University of Copenhagen
2016-2017	Visiting scholar	Boston University
2013-2015	Chartered Financial Analyst	CFA Institute
2013	Advanced Risk and Portfolio Management	Baruch College (SYMMYS)
2007-2010	M.Sc. (Statistics)	University of Aarhus
2004-2007	B.Sc. (Mathematics)	University of Aarhus

## Experience

2010-2015	Risk Manager <i>Quantitative Analyst in Market Risk Modeling</i>	Nordea
2007-2010	Manager <i>Responsible for logistics and 70+ volunteers</i>	Gringobar, Roskilde Festival
2003-2004	Teacher <i>Mathematics, biology, physical education for 5-7th grade</i>	Fole Friskole

## Grants & Awards

2016-2017	Fulbright Scholarship
2016	Knud Højgaards Fond
2016	Oticon Fonden
2016	Christian og Ottilia Brorsons Rejselegat
2016	Torben og Alice Frimodts Fond

## Teaching

2015-	Discrete Models	University of Copenhagen
2010	Statistics and Data Analysis	University of Aarhus
2008-2009	Mathematical Modeling 2	University of Aarhus
2007-2009	Mathematical Modeling 1	University of Aarhus
2008	Introduction to Mathematical Modeling	University of Aarhus
2007	Statistics	University of Aarhus

## Memberships

- Danish Society for Theoretical Statistics

## Volunteering

- Instructor at Aarhus Taekwondo Club
- Tutoring of new students at University of Aarhus

## Organizing

2017	Mathematical Modeling in Neuroscience University of Copenhagen	Svaneke, Denmark
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## Conferences

2016	Bayesian Statistics and Algorithms at CIRM	Marseille, France
2015	OCCAM: From simple neurons to large-scale models of cognition	Osnabück, Germany



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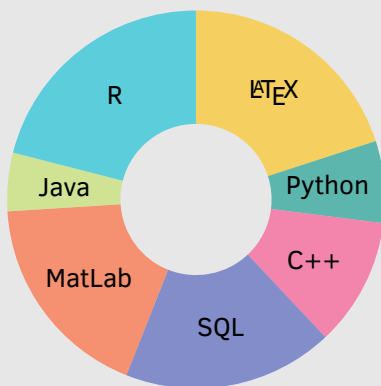


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French ★★★★☆

## Presentations

2017	3rd International Conference on Mathematical NeuroScience	Boulder Colorado, USA
2017	BIRS Workshop	Banff, Canada
2016	MBI Workshop	Columbus, Ohio, USA
2016	Nordstat	Copenhagen, Denmark
2016	DynStoch	Rennes, France
2016	2nd International Conference on Mathematical NeuroScience	Juan Les Pins, France
2016	Dynamical Systems Interdisciplinary Network Colloquium	Værløse, Denmark
2016	Internal seminar Department of Mathematics	Copenhagen, Denmark
2015	Dynamical Systems Interdisciplinary Network Colloquium	Værløse, Denmark

## Coursework

2016	Statistical inference for partially observed stochastic processes Faculty of Engineering (LTH)	Lund, Sweden
2015	Gaussian Graphical Models University of Copenhagen	Copenhagen, Denmark
2015	Advanced Topics in Machine Learning: Deep Learning Technical University of Denmark	Copenhagen, Denmark
2015	INCF: Information Processing in Neural Systems Osnabrück University	Osnabrück, Germany
2015	State Space Models University of Copenhagen	Copenhagen, Denmark

## Publications

2017	Østergaard J <i>High dimensional cointegrated phase processes</i>	Working Paper
2017	Østergaard J, Ditlevsen S, Eden UT <i>State space models for bursting neurons</i>	Working Paper
2017	Østergaard J, Kramer M, Eden UT <i>Capturing spike variability in noisy Izhikevich neurons using point process GLMs (submitted)</i>	Article
2017	Østergaard J, Rahbek A, Ditlevsen S <i>Oscillating systems with cointegrated phase processes (Springer)</i>	Article
2017	Østergaard J <i>Approximating the Kuramoto model for oscillating processes</i>	Working Paper