

Karl Oskar Ekvall

CONTACT INFORMATION	313 Ford Hall 224 Church St SE University of Minnesota Minneapolis, MN, 55455	<i>Voice:</i> (+1) 612 598 5379 <i>Fax:</i> 612 624 8868 <i>E-mail:</i> ekvall@umn.edu <i>WWW:</i> karloskarekvall.github.io
INTERESTS	My primary research interests are time series, computational statistics, and spatio-temporal statistics. I also have a very general interest in applied statistics and data analysis.	
EDUCATION	University of Minnesota , Minneapolis, Minnesota USA Ph.D. Statistics, May 2019 (expected) <ul style="list-style-type: none">• Research Topic: “New Methods in Multivariate Time Series”• Adviser: Professor Galin Jones University of Gothenburg , Gothenburg, Sweden A.B.D. Economics, Aug 2014 M.Sc. Finance, May 2012 B.Sc. Economics, May 2010	
HONORS AND AWARDS	The American-Scandinavian Foundation (Marcus and Amalia Wallenberg Fund), 2016 Lynn Lin Summer Fellowship, University of Minnesota, 2016 Fulbright Graduate Student to the United States from Sweden, 2014 - 2016 The Tom Hedelius Foundation; grant for Ph.D. studies and research, 2014 Sixten Gemzeus Foundation; grant for Ph.D. studies and research, 2013 Richard C. Malmsten Memorial Foundation; best thesis in the Master of Science in Finance program, 2012	
ACADEMIC EXPERIENCE	University of Minnesota , Minneapolis, Minnesota USA <i>Graduate Student</i> Aug 2014 - present Research on multivariate time series. Two new estimation methods for the vector auto-regression model are developed. One project is concerned with restricted maximum likelihood estimation and the other with making envelope methods operational in time series. Research includes development of new theory and methods, as well as implementation in R, Fortran and C. Full time coursework alongside research. <i>Teaching Assistant</i> Aug 2014 - present Preparing lab materials, leading lab sessions with 10 - 30 students, and grading exams as well as data analysis reports for the following courses: <ul style="list-style-type: none">• STAT 4893W Consultation and Communication for Statisticians (Jan 2016 - Dec 2017)• STAT 3021 Introduction to Probability and Statistics (Aug 2015 - Dec 2015)• STAT 3011 Introduction to Statistical Analysis (Sep 2014 - May 2015)	

University of Gothenburg, Gothenburg, Sweden

Researcher and Ph.D. Candidate

Aug 2012 - Aug 2014

Conducted research on predictive regressions with panel (longitudinal) data under supervision of Professor Erik Hjalmarsson. This research is ongoing.

PROFESSIONAL
EXPERIENCE

US Geological Survey, La Crosse, WI, USA

Student Contract

Jul 2016 - Oct 2016

Develop model suitable for estimating trends in and fitting splines to time series of environmental and ecological outcomes from multiple spatial locations that takes into account both spatial and temporal dependence.

European Union Chamber of Commerce, Beijing, China

Assistant to Working Groups, Intern

Jan 2010 - Jul 2010

Coordinating work on the Chamber's 'Position Paper'. This is the Chamber's most important publication and is presented to high level politicians in the Chinese government as well as to EU representatives. Assisted with administrative work in lobbying of Chinese authorities.

Alfa Omega International, Gothenburg, Sweden

Accounting Manager

Aug 2004 - Aug 2009

Reporting and accounting of taxes, salaries, invoices, etc.

- COMPUTER SKILLS
- Languages: R, MatLab, Fortran, Python, C, C++, STATA, MPI, and OpenMP.
 - Applications: Developing and programming optimization algorithms as part of research. Experience with distributed computing and cloud computing through coursework in High Performance Computing.