JOHAN VAN DER MOLEN MORIS

CONTACT INFORMATION

Work Address	James Clerk Maxwell Building (Room 4620) The King's Buildings Peter Guthrie Tait Road Edinburgh, EH9 3FD.
e-mail	j.van-der-molen@sms.ed.ac.uk jvandermm@gmail.com
phone	(office) +44 1316508569 (mobile) +44 7518939995

EDUCATION

2015-2020   University of Edinburgh

PhD Statistics

School of Mathematics. School of Mathematics. College of Science & Engineering
Thesis: *Semiparametric estimation of densities with unknown support.*
Supervisor: Dr. Natalia Bochkina

2014-2015   University of Edinburgh

MSc Statistics and Operational Research

First Class (*Distinction*) · School of Mathematics. College of Science & Engineering
Thesis: *Estimation of the lower support point of an unknown density.*
Supervisor: Dr. Natalia Bochkina

2006-2011   University of Chile

Mathematical Engineering

First Class Honours · Faculty of Physical and Mathematical Sciences
Thesis: *Educational Data Mining: Prediction models for elementary schools students' performance.*
Supervisors: Dr. Roberto Araya, Dr. Raúl Gormaz & Dr. Jaime San Martín

2006-2010   University of Chile

BA of Engineering Sciences in Mathematics

Second Class Honours · Faculty of Physical and Mathematical Sciences.

EMPLOYMENT

Jan 2016-2019   Tutor – University of Edinburgh

Tutor, U. of Edinburgh

Tutor of Nonparametric Regression, Multivariate Data Analysis, Linear Statistical Modelling, Statistics 2 (including summer course), Statistical Methodology, Credit Scoring, Methodology Modelling and Consulting Skills, Engineering Mathematics.

Jan 2013-Jul 2014   Assistant Researcher – Center for Advanced Research in Education, University of Chile

Assistant Researcher, U. of Chile

Development of automatic speech recognition models. Application of machine learning algorithms to identify content and teaching practices in classes. In collaboration with Prof. Bhiksha Raj and Prof. Rita Singh from Carnegie Mellon University. Project FONDEF D11i1009. www.ciae.cl
Contact: Roberto Araya · +56 2 978 2590 · roberto.araya@ciae.uchile.cl

Jan 2011   Internship – Center for Advanced Research in Education, University of Chile

Internship, U. of Chile

Study of prediction models of elementary school students' performance in an online exercising system.
Contact: Roberto Araya · +56 2 978 2590 · roberto.araya@ciae.uchile.cl

Mar-Jul 2009   Teaching Assistant – Pontifical Catholic University of Chile

T. A.
Catholic Univ.   Teaching Assistant of Algebra (Year 1). Faculty of Mathematics.

Aug 2008-Jul 2009 Teaching Assistant – University of Chile

T. A.
U. of Chile   Teaching Assistant of Linear Algebra (Year 1). Faculty of Physical and Mathematical Sciences.

PUBLICATIONS

Oct. 2015   Mining Social Behavior in the Classroom

7th ICCCI 2015   Proceedings of 7th International Conference ICCCI 2015. Lecture Notes in Computer Science.
Authors: Roberto Araya, Ragnar Behncke, Amitai Linker, Johan van der Molen

Sept. 2013   Causal dependence among contents emerges from the collective online learning of students

5th ICCCI 2013   Proceedings of 5th International Conference ICCCI 2013. Lecture Notes in Computer Science.
Authors: Roberto Araya, Johan van der Molen

July 2013   Impact of a blended ICT adoption model on Chilean vulnerable schools correlates with amount of on online practice

LT4D @AIED
2013   Proceedings of LT4D Workshop @AIED 2013.
Authors: Roberto Araya, Johan van der Molen

HONOURS & AWARDS

2016-Present   Travel Grants for Poster Presentations

Travel Grants   Several scholarships covering registration fees and travel or accommodation for poster presentations at BNP12 (Oxford, 2019), ISBA(Edinburgh, 2018), BNP11(Paris, 2017), CRiSM Master Class (Warwick, 2016).

2015-Present   Becas-Chile Scholarship for PhD Degrees

Becas-Chile
Scholarship   Scholarship by CONICYT from Chilean Ministry of Education for PhD programmes. It covers tuition fees ($\approx £14,500$ per year) and living expenses ($\approx £1,400$ per month).

2014-2015   Becas-Chile Scholarship for Master's Degrees

Becas-Chile
Scholarship   Scholarship by CONICYT from Chilean Ministry of Education for Master's studies. It covers tuition fees ($\approx £17,500$) and living expenses ($\approx £1,400$ per month).

2006-2008   Academic Excellence

Academic
Excellence   Honour award for academic excellence during undergraduate studies at University of Chile.

2006   University of Chile Scholarship

U. of Chile
Scholarship   Academic Excellence Scholarship by U. of Chile that covers tuition fees for undergraduate studies.

Computer Skills   R, Matlab, Python, LaTeX, Arena, Xpress.

Transferable Skills   Founder and Organiser of Statistics PhD Discussion Group at U. of Edinburgh ·
Leader of Student helpers at ISBA 2018.

Languages   Spanish (Mother Tongue), English (7.5 IELTS test), German (Level A-2.1, Goethe
Institut), Japanese (basic level, Chilean-Japanese Institute of Culture).

Interests   Bayesian Nonparametrics · Nonregular Models · Machine Learning