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Interests: Applied Econometrics, Big Data, Clustering



◆ Current position

Sept. 2014 - Present	<p>PhD Student in Economics, University of Toronto (Toronto, Canada)</p> <p>Research in progress:</p> <ul style="list-style-type: none"> • “Bayesian Non Parametric Inference For Discrete Choice Experiments Using Multi-Dimensional Clustering”, with McCausland W. • “Optimal Bayesian Inference for Experiments with Sequential-Monte Carlo Methods” (Single author) • “Correcting for Sequential Dependence in Experiments: an Application to Cumulative Prospect Theory” (Single Author) • “Inference with Hamiltonian Sequential Monte Carlo Simulators”, with Burda M. • “Big Data for Demand Estimation: a Bi-Clustering Approach”, with Gouriéroux C. <p>Awards and recognition: Econometrics major, passed field comprehensive exam. with distinction (2016) Award for excellence in Teaching for Teaching Assistants (2016)</p> <p>Activities: Active member of YSI Toronto: Organised workshops and published videos.</p>
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◆ Education

Sept. 2013 – July 2014	M. Sc. in Economics, University of Montreal (Montreal, Canada)
Sept. 2009 – Mar. 2011	MBA, Laval University (Quebec, Canada) GPA 3.76/4.33, with 1 session in Montreal Universities (HEC and McGill)
Sept. 2007 – Jun. 2008	1 year exchange in INHA University (Incheon, Korea) Finance and Logistics, Honors received (GPA 4.43/4.50, top 1%)
Oct. 2005 – Jun. 2008	Bachelor of Science, Business and Finance, HEC Lausanne (Lausanne, Switzerland) Degree highly focused on Applied Quantitative Methods and Modelling Very selective school: less than 1/3 of the students successfully pass the first year. The first two years are common with students of the B.Sc. in Economics

◆ Professional experience

Oct. 2011 – Aug. 2014	<p>Consultant in Information Systems & Analyst, DC2 Montreal</p> <p>Current & recent projects:</p> <ul style="list-style-type: none"> -Development of a financial portal, processing a large amount of data sources and automating financial models for real-time processing. -Development of several platforms for real estate rental (including mobile services). -Analytics and market research for various clients
May 2011 – Oct. 2011	<p>Canada Marketing & Sales Manager, ERA Environmental Software</p> <p>Work accomplished: Market analysis. Responsible for the implementation of a new marketing strategy.</p>

Sept. 2010 – May 2011	<p>Part time analyst, J. C. Dorval Financial Expertise</p> <p>Responsible for the conception and development of a new client portal and dashboard. Includes the development of financial models, data analysis and reporting systems.</p>
Jun. 2010 – Sept. 2010	<p>Research assistant, Laval University (Quebec, Canada)</p> <p>International trade, Stephen A. Jarislowky Chair in International Business. Quantitative analysis, Data processing, Model conception.</p>
Dec. 2007 – May 2010	<p>Founder and President of Daviet S.A.R.L. (Export, Asian products)</p> <p>Strategy definition, Market research and analysis, Product line definition. Designed and implemented an eCommerce platform.</p>
Oct. 2006 – June 2007	<p>Teaching Assistant, University of Lausanne</p> <p>Computer Science for Economics and Management: Teaching VBA, Excel, SQL</p>

◆ Languages

French	English	Japanese	German	Korean	Chinese
Native	Excellent (Fluent)	Written and spoken (Conversational)	Written and spoken (Conversational)	Basic (Everyday language)	Basic (Everyday language)

◆ Skills

Office	Word, Excel, Access, PowerPoint (including VBA macro development)
Programming	C/C++, Matlab, PHP, SQL, Visual Basic, Mathematica, JavaScript/jQuery, Java
Statistics and Econometrics	R, Stata, Self-developed software and platforms for real-time analysis
Graphics	Photoshop, Flash, Illustrator, InDesign, Video editing and FX, 3D modeling (3DS Max)
Others	Project Management, Flow & Process Modelling (UML, Grafcet)

◆ Other certificates and prizes

2010	1st place (individual) in the second round of the supply chain management simulation at the MBA Games 2010
2008	1st place worldwide in the first level of the DHL Fast Forward simulation (Corporate Management)
2007	7th over 895 students in the Swiss Portfolio Management Simulation 2007” Derivatives Version (Finance)