

Jaakko Järvinen

MODELING AND DATA SCIENCE ENTHUSIAST · PHD CANDIDATE IN ECONOMICS

Helsinki, Finland

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Relevant Experience

EY

Helsinki, Finland

SENIOR CONSULTANT (FINANCIAL SERVICES RISK MANAGEMENT AND ACTUARIAL)

October 2020 -

- Has been managing projects by training and supervising junior staff
- Has been developing an IRBA framework, documentation and models for a medium-sized bank
- Has been in charge of assessing IFRS 9 expected credit risk models through statistical data analysis

EY

Helsinki, Finland

CONSULTANT (FINANCIAL SERVICES RISK MANAGEMENT)

April 2018 - October 2020

- Has specialized in banks' credit risk model development and validation using R and SQL including e.g.
 - Developing a retail LGD model for a major bank
 - Developing a retail LGD model for a medium-sized bank
 - Validating all LGD models of a major bank (work performed abroad)
- Has been actively following and summarizing financial regulation through a client project from 2018 onwards
- Is also familiar with risk management and controls through setting up a risk management function for a pension fund

Education

Helsinki Graduate School of Economics

Helsinki, Finland

PHD CANDIDATE IN ECONOMICS

May 2020 -

- Currently completing coursework
- Research will concentrate on studying regional disparities and inequality especially from the perspective of credit

University of Helsinki

Helsinki, Finland

MASTER OF SOCIAL SCIENCE – ECONOMICS

Aug. 2015 - Jun. 2019

- Specialization in econometrics and economic growth theories. Minors: Mathematics and Statistics
- Master's Thesis: Effects of Agglomeration on Labor Productivity - Empirical Cross-country Evidence from the Nordics (MCLA)
- Bachelor's thesis: The Pass-through Effect of Monetary Policy's Interest Rate Channel

University of Barcelona (Exchange year)

Barcelona, Spain

MSC IN ECONOMICS

Sep. 2017 - Jun. 2018

- Specialization in regional, public and ecological economics
- One peer reviewed publication: The evolution of carbon dioxide emissions embodied in international trade in Poland: An input-output approach

University of Helsinki

Helsinki, Finland

UNDERGRADUATE STUDENT OF SCIENCE – PHYSICS

Sep. 2012 - May 2015

- Studied physics and gained vast networks in the field of Science
- Developed a scientific problem solving mindset
- Learned to code using C, Java and Fortran

Skills

Programming

- R, Python & SQL (Proficient)
- LaTeX & Markdown (Proficient)
- MATLAB, Java, C & VBA (Familiar)

Languages

- Finnish (Fluent)
- English (Fluent)
- Spanish (Working proficiency)
- Swedish (Working proficiency)

Statistical Modeling

- Credit risk modeling (Proficient)
- Econometric modeling (Proficient)
- Machine learning (Familiar)

Interests

- Non-fiction literature
- Investing
- Trivia knowledge
- Swimming

Extracurricular Activity

Limes ry (Student organization of the Science campus of Uni. Helsinki)

Uni. Helsinki

TREASURER

Jan. 2015 - Dec. 2016

- Major position in an organization with over a 100 000€ turnover and over 350 student members
- Monthly duties consisted of accounting, filing tax forms and being in charge of payroll administration
- Founding member of the Board of Investments
- In charge of the financial statement at the end of the year

Resonanssi ry (Physics students' student organization)

Uni. Helsinki

TREASURER

Jan. 2014 - Dec. 2014

- In charge of daily transactional duties of an active organization with over 500 members
- In charge of the financial statement at the end of the year

Kumpulan Speksi (Traditional University Play)

Uni. Helsinki

PRODUCER

Feb. 2014 - Dec. 2014

- Producer and a founding member of a completely new play consisting of over 50 volunteers
- In charge of budgeting and finding sponsors
- The project culminated in the form of seven sold-out shows with 150 person audience per show

Awards & Honors

SELLING CONTESTS

2017 **Winner**, Wine (Stellenbosch Wines) selling contest

Bryggeri, Helsinki

2015 **Winner**, Cider (Magners Ciders) selling contest

Hello Café, Helsinki

Airport

HONORS

2016 **A Bronze Honor**, Awarded for long-term commitment and work done for the organization

Limes ry, Uni.

Helsinki

2014 **Board of executives' honor**, Awarded for the work done in the board and various other positions

Resonanssi ry, Uni.

Helsinki

Kindly see the full list of accomplishments on [LinkedIn](#)

Published Writing

Effects of Agglomeration on Labor Productivity – Empirical Cross-country Evidence from the Nordics

Uni. Helsinki

AUTHOR

Jun. 2019

- Master's thesis studying the effect of geographical population density on productivity
- The analysis performed in R relied on Nordic data and consisted of the development of linear and IV regression models

The evolution of CO2 emissions embodied in international trade: An input-output approach for Poland

Environmental & Socio-economic Studies

Co-AUTHOR

Nov. 2017

- A peer-reviewed research paper on the emissions of Poland before and after the EU membership
- In charge of the model development using MATLAB software