

Experience

- 2017 -** PhD in Econometrics
Vrije Universiteit Amsterdam and Tinbergen Institute
Promotor: prof. dr. S.J. Koopman
Co-promotors: prof. dr. F. Blasques, prof. dr. mr. A.A.J. Blokland and prof. dr. F.M. Weerman
- 2016** Junior Researcher at *The Netherlands Institute for the Study of Crime and Law Enforcement*
- 2014 - 2015** Business Consultant at *DDB Unlimited, Amstelveen (formerly Databay)*

Education

- 2015 - 2017** MPhil Econometrics at *Tinbergen Institute*
- 2013 - 2014** MSc Econometrics and Operations Research at *Vrije Universiteit Amsterdam*
- 2009 - 2013** BSc Econometrics and Operations Research at *Vrije Universiteit Amsterdam*

Research

Interests Applied Econometrics; Economics of Crime; Economics of Education; Panel Data

Accepted at **International Journal of Forecasting**

Dynamic Factor Models with Clustered Loadings: Forecasting Education Flows using Unemployment Data
(with Francisco Blasques, Meindert Heres Hoogerkamp and Siem Jan Koopman)

Abstract: We propose a dynamic factor model which we use to analyze the relationship between education participation and national unemployment, as well as to forecast the number of students across the many different types of education. By clustering the factor loadings associated with the dynamic macroeconomic factor, we can measure to what extent the different types of education exhibit similarities in their relationship with macroeconomic cycles. To utilize the feature that unemployment data is available for a longer time period than our detailed education panel data, we propose a two-step procedure. First, we consider a score-driven model which filters the conditional expectation of the unemployment rate. Second, we consider a multivariate model in which we regress the number of students on the dynamic macroeconomic factor, and we further apply the k -means method to estimate the clustered loading matrix. In a Monte Carlo study, we analyze the performance of the proposed procedure in its ability to accurately capture clusters and preserve or enhance forecasting accuracy. For a high-dimensional, nation-wide data set from the Netherlands, we empirically investigate the impact of the rate of unemployment on choices in education over time. Our analysis confirms that the number of students in part-time education covaries more strongly with unemployment than those in full-time education.

Work in Progress

Families, Crime and the Economy: Micro Conditions as Moderator of Macro Effects
(with Arjan Blokland and Frank Weerman)

Job Loss and Crime - What's Income Got To Do With It?
(with Olivier Marie)

Fellowships and Awards

2018 - Fellow at The Netherlands Institute for the Study of Crime and Law Enforcement
2016/2017 Finalist TA of the Year at Tinbergen Institute
2015 - 2017 Scholarship for MPhil Econometrics at Tinbergen Institute (€30.000,-)

Conferences and Seminars (including organizing)

Nov. 2020 Annual Meetings of the Criminology Consortium (presented)
Sep. 2020 Annual Conference of the European Society of Criminology (presented)
Nov. 2019 Brown Bag Seminar at VU Amsterdam - Econometrics (presented)
Sep. 2019 Transatlantic Workshop on the Economics of Crime (attended)
May 2019 Netherlands Econometric Study Group (poster)
May 2019 Annual Jamboree for PhD Candidates at Tinbergen Institute (presented)
Nov. 2018 Netherlands Economists Day at Dutch Central Bank (attended)
May 2018 Annual Jamboree for PhD Candidates at Tinbergen Institute (co-organized)
May 2018 Brown Bag Lunch Seminar at NSCR (presented)
April 2018 Lunch Seminar at VU Amsterdam - Economics (presented)
March 2018 Brown Bag Seminar at VU Amsterdam - Econometrics (presented)
2018 - 2020 PhD Lunch Seminar Series at Tinbergen Institute (co-organized)
Dec. 2017 (EC)² on Time-varying Parameter Models (attended)

Teaching

University Teaching Qualification (or BKO in Dutch) obtained in January 2020

2020 - Executive Education courses in Econometrics at VU Amsterdam (Co-organizer)
2020 Econometrics Summer Workshop at VU Amsterdam (Co-organizer)
2019 Data Science Practical at VU Amsterdam (TA, 2nd year BSc)
2018 - Thesis Supervision at VU Amsterdam (BSc, MSc)
2018 - Time Series Models at VU Amsterdam (TA, MSc)
2018 - Practical Case Study at VU Amsterdam (Coordinator, Minor)
2018 - Econometrics II Part 1 at VU Amsterdam (TA, 2nd year BSc)
2017 - Econometrics II Part 2 at VU Amsterdam (TA, 2nd year BSc)
2017 Advanced Econometrics III at Tinbergen Institute (finalist TA of the Year, 1st year MPhil)

PhD Courses (not for credits)

Jan. 2019 SBE Didactics Training Course - Personal Didactical Qualities at VU Amsterdam
Sep. 2018 SBE Didactics Training Course - Didactical Knowledge and Skills at VU Amsterdam
June 2018 Python for Computational Economics by John Stachurski at Tinbergen Institute
May 2018 TI Lectures Econometrics by Guido W. Imbens at Tinbergen Institute
April 2018 SBE Didactics Training Course - Thesis Supervision at VU Amsterdam

Miscellaneous

2021 - Member of SBE Representative Council at Vrije Universiteit Amsterdam
2020 - Member of SBE PhD Council at Vrije Universiteit Amsterdam
2018 & 2019 Captain of the VU Amsterdam team at the World Econometric Game
2015 - 2017 Student Member of Educational Board at Tinbergen Institute

Computer \LaTeX , OxMetrics, Python, Stata and SQL
Languages Dutch (native), English (fluent) and German (basic)
Hobbies Cooking, running, football and interior design