

Laurent A.F. Callot

CONTACT

INFORMATION

E-mail: l.callot@gmail.com

Phone: +49 176 21 82 14 53

Website: lcallot.github.io

EXPERTISE

Machine Learning, Statistics, Time-series & Forecasting, Causal analysis, Econometrics.

CURRENT

POSITIONS

Senior Applied Scientist (Machine Learning), Amazon Development Center, Berlin. Since June 2016,

August 2019 - present: Senior Applied Scientist (Machine Learning).

September 2018 - August 2019: Senior Economist.

June 2016 - September 2018: Economist.

January 2019 - present: Intelligent Cloud Control Machine Learning.

June 2016 - January 2019: Supply Chain Optimization Technologies and CoreML.

PREVIOUS

POSITIONS

2012-2015 Post-Doctoral Researcher, VU University Amsterdam, Department of Econometrics and OR.

Research Fellow: Tinbergen Institute, the Netherlands.

Junior Fellow: CREATES, Aarhus University, Denmark.

2013-2014 Consultant, Danske Commodities, Aarhus, Denmark. Short term forecasting of electricity demand imbalances.

2009-2012 Doctoral Student, CREATES, Aarhus University, Denmark.

2005-2006 Data scientist, SITELESC, Paris, France. Data management and analytics.

2004-2005 IT technician, Linear Accelerator Laboratory, Paris, France. Hardware quality control and certification.

PEER-REVIEWED

PUBLICATIONS

Salinas, Bohlke-Schneider, Callot, Medico, Gasthaus High-Dimensional Multivariate Forecasting with Low-Rank Gaussian Copula Processes Supplementary material, **Advances in Neural Information Processing Systems 2019**

Januschowski, Gasthaus, Wang, Salinas, Flunkert, Bohlke-Schneider, Callot Criteria for classifying forecasting methods, **International Journal of Forecasting, 2019**

Callot, Caner, Önder, Ulasan A Nodewise Regression Approach to Estimating Large Portfolios, **Journal of Business & Economic Statistics, 2019**

Januschowski, Gasthaus, Wang, Rangapuram, Callot: Deep Learning for Forecasting: Current Trends and Challenges, **Foresight: The International Journal of Applied Forecasting, 2018.**

Januschowski, Gasthaus, Wang, Rangapuram, Callot: Deep Learning for Forecasting, **Foresight: The International Journal of Applied Forecasting, 2018.**

Callot, Kock, Medeiros: Estimation and Forecasting of Large Realized Covariance Matrices and Portfolio Choice, **Journal of Applied Econometrics, 2016.**

Callot, Haldrup, Kallestrup-Lamb: Deterministic and stochastic trends in the Lee-Carter mortality model, **Applied Economics Letters, 2016.**

Callot, Caner, Kock, and Riquelme: Sharp threshold detection based on sup-norm error rates in high-dimensional models **Journal of Business & Economic Statistics, 2015.**

Kock and Callot: Oracle Inequalities for High Dimensional Vector Autoregressions. **Journal of Econometrics, 2015.**

Callot and Kristensen: Regularized Estimation of Structural Instability in Factor Models: The US Macroeconomy and the Great Moderation, **Advances in Econometrics** vol. **35**, **2015**.

Callot, Haldrup, and Lamb: Deterministic and stochastic trends in the Lee-Carter mortality model, **Applied Economics Letters**, **2015**.

Callot and Kock: Oracle Efficient Estimation and Forecasting with the Adaptive Lasso and the Adaptive Group Lasso in Vector Autoregressions, **Essays in Non-linear Time Series Econometrics (chapter 10)** Oxford University Press, **2014**.

Callot and Paldam: Natural funnel asymmetries. A simulation analysis of the three basic tools of meta analysis, **Research Synthesis Methods**, **2011**.

EDUCATION

PhD Economics, **Aarhus University**, September 2012
 Thesis title: *Large Panels and High Dimensional VARs*.
 Topics: Time-series, high-dimensional statistics, machine learning, macroneconomics.
 Advisor: Prof. Niels Haldrup.
 Visiting scholar: **Princeton University**.

M.Sc. Economics, **Aarhus University**, August 2009.
 Thesis title: *Modelling Exchange rates with Global VARs*.
 Advisor: Prof. Niels Haldrup.

B.Sc. Economics, **University Paris X**, 2007.

B.Sc. Mathematics, **University Paris VI**, 2007.
 Minor: Computer Science

LANGUAGES

French (native), English (fluent), Danish (proficient), Spanish (basic), German (beginner).