

# JONAS STRIAUKAS

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## RESEARCH INTERESTS

(Robust) statistical learning methods for dependent data, mixed frequency data econometric methods with applications in finance & macroeconomics

## CURRENT POSITIONS

Marie Skłodowska-Curie Action fellow, April 2023 - April 2025

Assistant professor of statistics, Department of Finance, Copenhagen Business School, October 2022 - present

## EDUCATION

European Doctoral Program, Université catholique de Louvain, May 2019 - April 2022

Exchange at Universitat Pompeu Fabra, January - April 2022

Visit supervisors: Christian Brownlees & Gábor Lugosi

Ph.D. Economics, Université catholique de Louvain, February 2022

Thesis title: “Estimation and inference for high dimensional mixed frequency data models”

Advisors: Andrii Babii, Eric Ghysels. Committee: Rudy De Winne, Geert Dhaene, Christian M. Hafner

M.A. Quantitative Economics and Finance, University of St. Gallen, 2014

B.Sc. Mathematics, Queen Mary University of London, 2013

## PUBLICATIONS

“Machine learning panel data regressions with heavy-tailed dependent data: Theory and application”,  
with A. Babii, R. T. Ball and E. Ghysels, (2022), *Journal of Econometrics*.

[pdf](#)  [journal](#) 

“Machine learning time series regressions with an application to nowcasting”,  
with A. Babii and E. Ghysels (2022), *Journal of Business & Economic Statistics*, 40(3), 1094–1106.

[pdf](#)  [journal](#) 

“High-dimensional Granger causality tests with an application to VIX and news”,  
with A. Babii and E. Ghysels, (2022), *Journal of Financial Econometrics*.


[pdf](#)  [journal](#) 

“Regularized regression when covariates are linked on a network: The 3CoSE algorithm”,  
with M. Weber, M. Schumacher and H. Binder, (2022), *Journal of Applied Statistics*, 50(3), 535–554.


[pdf](#)  [journal](#) 

## WORKING PAPERS


“Tuning-free testing of factor regression against factor-augmented sparse alternatives”

with J. Beyhum, [pdf](#) 

“Factor-augmented sparse MIDAS regression for nowcasting” (updated version soon available)

with J. Beyhum, [pdf](#) 

“Panel data nowcasting: The case of price-earnings ratios”

with A. Babii, R. Ball and E. Ghysels, [pdf](#) 

Handbook of research methods and applications in macroeconomic forecasting

Chapter: “Econometrics of machine learning methods in economic forecasting”

with A. Babii and E. Ghysels

## WORK IN PROGRESS

- “Nowcasting and aggregation: The case of EU”  
with A. Babii, L. Barbaglia and E. Ghysels
- “Tuning parameters for robust learning”
- “On high-dimensional inference”  
with J. Beyhum

## PRESENTATIONS

- 2023: Bank of Lithuania, Baltic Economic Conference 2023, EcoSta 2023, Compstat 2023, BI Norwegian Business School
- 2022: Aarhus University<sup>★</sup>; Copenhagen Business School, Netherlands Econometric Study Group Meeting (invited talk), Vienna–Copenhagen Conference on Financial Econometrics, International Association for Applied Econometrics, Sveriges Riskbank “Non-traditional Data, Machine Learning, and Natural Language Processing in Macroeconomics”.
- 2021: UNC PhD students econometrics workshop<sup>★</sup>; 3rd Baltic Economics Conference<sup>★</sup>; North American Summer Meeting of the Econometric Society<sup>★</sup>; SoFiE<sup>★</sup>; ECB workshop<sup>★</sup>; European Summer Meeting of the Econometric Society<sup>★</sup>; CFE (invited talk)<sup>★</sup>.
- 2020: UC Louvain CORE Brown Bag ×2<sup>★</sup>; UNC PhD students econometrics workshop<sup>★</sup>
- 2019: UC Louvain Finance PhD students workshop; Institute of Statistics, Biostatistics and Actuarial Sciences Young Researchers Day; The Winter Meeting of the Annual Lithuanian Conference on Economic Research.
- 2018: 1st QMUL Economics and Finance Workshop for PhD & Post-doctoral Students; UNC Kenan-Flagler Business School; SoFiE summer school Brussels.

## SUPERVISIONS


PhD co-advisor:

Jan Gabriel Roth (in progress), Wei Miao (in progress)

Master theses:

- 2023: Rasmus Ahlberg, Oliver Bondrop & Nicolai Reimer (ML methods, in progress), Abdullah Ahmed & Minghao Wang (ML/finance, in progress), Jonas Ahooei (ML methods, in progress), Andreas Kjeldsen (ML forecasting, in progress), Caroline Hoff-Jessen (ML forecasting, in progress), Henrik Decker & Adam Ferla (finmetrics, in progress), Kristian Ernst (ML forecasting, in progress)

## AWARDS & HONORS

- 2023-25: Marie Skłodowska-Curie grant for ≈230.000 Eur, supervisor Rasmus Tangsgaard Varneskov; [website](#)   
Evaluation: top 2 in Denmark/cohort, 100% score.
- 2023: Best PhD thesis award, Bank of Lithuania
- 2022: Member of Danish Statistical Society
- 2022: Euro Area Business Cycle Network lectures, joint with Eric Ghysels and Massimiliano Marcellino<sup>★</sup>
- 2022-24: F.R.S.-FNRS PDR grant for ≈160.000 Eur, joint with Eric Ghysels and Rudy De Winne
- 2020: SoFiE summer school, NYU/Shanghai, joint with Andrii Babii and Eric Ghysels<sup>★</sup>
- 2020: SoFiE summer school, University of Chicago, joint with Andrii Babii and Eric Ghysels<sup>★</sup>
- 2019: CORE lectures series, joint with Anessa Custovic and Eric Ghysels
- 2018-22: F.R.S.-FNRS Aspirant fellowship grant

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<sup>★</sup> Online conference/seminar/lectures.


## PROFESSIONAL SERVICE

### REVIEWER

Journal of Applied Econometrics, Journal of Econometrics, Journal of Financial Econometrics, Journal of Forecasting, Oxford Bulletin of Economics and Statistics, PLoS ONE, Review of Economics and Statistics

### STATISTICAL SOFTWARE

R: midasml ([CRAN link](#) ) , LassoNet ([CRAN link](#) )

Development code: [GitHub](#) 

## SKILLS

Fortran, R (and Rcpp), C++, Matlab (and mex), Python, Stata, GitHub, L<sup>A</sup>T<sub>E</sub>X

## PROFESSIONAL EXPERIENCE

Trainee, National Bank of Belgium, June 2022 - September 2022

Analyst, economist and research assistant, Bank of Lithuania, October 2014 - March 2017