

# MATHIEU SAUVENIER

Econometrics  $\diamond$  Statistics  $\diamond$  Big Data  $\diamond$  Economics  
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## PROFESSIONAL EXPERIENCE

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IESEG: Adjunct Professor	starting January 2024
HELHA: Maitre Assistant	September 2023 to date
CORE, UCLOUVAIN, Visiting researcher	September 2023 to date
IRES, Service d'Analyse Economique : Researcher	2019 to 2023
UCLOUVAIN: Research and Teaching Assistant	2016 to 2023

## EDUCATION

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CORE, UCLOUVAIN, PhD in Econometrics	2023
HEC PARIS, summer school, the futur of energy	2019
UNIVERSITÉ CATHOLIQUE DE LOUVAIN, Quantitative Economics, Research master	2016
UNIVERSITÉ CATHOLIQUE DE LOUVAIN, Business Engineering, Bachelor	2014

## PUBLICATIONS PIPELINE

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*Direction Identification and Minimax Estimation by Generalized Eigenvalue Problem in High Dimensional Sparse Regression*, with Sebastien Van Bellegem  
REVISE AND RESUBMIT at *Econometric Theory*

*Goodness-of-fit test for high-dimensional linear sparse model selection*, with Sébastien Van Bellegem  
*LIDAM Discussion Paper CORE*

## ECONOMIC REPORTS

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Baurin A., Bodart V., Dallemagne G., Lachapelle N., Ounnas A., Pourtois M., Sauvenier M., Van Keirsbilck L. (2022). Perspectives économiques 2022-2023, Regards économiques, Numéro, 172

Baurin A., Bodart V., Courtoy F., Dallemagne G., Lachapelle N., Ounnas A., Pourtois M., Sauvenier M. (2022). Perspectives économiques 2022, Regards économiques, Numéro 167

Attanasi, G., Baurin A., Bodart V., Courtoy F., Dallemagne G., Lachapelle N., Ounnas A., Pourtois M., Sauvenier M., (2021). Perspectives économiques 2021 - 2022, Regards économiques, Numéro 165.

Attanasi G., Baurin A., Bodart V., Courtoy F., Dallemagne G., Lachapelle N., Ounnas A., Pourtois M., Sauvenier M. (2021). Perspectives économiques 2021, Regards économiques, Numéro 159.

Attanasi G., Bodart V., Courtoy F., Fontenay S., Lachapelle N., Ounnas A., Sauvenier M. (2020). Perspectives économiques 2020-2021, Regards économiques, Numéro, 156.

Attanasi G., Bodart V., Courtoy F., Fontenay S., Lachapelle N., Ounnas A., Sauvenier M. (2020). Perspectives économiques 2020, Regards économiques, Numéro 155.

Attanasi G., Bodart V., Courtoy F., Fontenay S., Ounnas A., Sauvenier M. (2019). Perspectives économiques 2019-2020, Regards économiques, Numéro, 149.

Attanasi G., Bodart V., Courtoy F., Fontenay S., Ounnas A., Sauvenier M. (2019). Perspectives économiques 2019, Regards économiques, 143.

## RESEARCH PIPELINE

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*The class of Cross-Correlation of Wavelets Functions (CCWF)*, (Harmonic Analysis) with Sébastien Van Bellegem

*Multivariate Multiscale model for Locally Stationary Processes*, (Multivariate time series analysis) with Sébastien Van Bellegem

## ACADEMIC TEACHING ASSIGNMENTS

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ECONOMIE POLITIQUE (BA), Uclouvain, Teaching Assistant	2016 to 2023
MACROECONOMIE (BA), Uclouvain, Teaching Assistant	2016 to 2023
MATHEMATICS AND STATISTICS FOR ECONOMICS (MA), Uclouvain, Teaching Assistant	2016 to 2023
ADVANCED ECONOMETRICS I (MA), Uclouvain, Teaching Assistant	2016 to 2023
ECONOMÉTRIE APPLIQUÉE (BA), Uclouvain, Teaching Assistant	2018
ECONOMIE RÉGIONALE (BA), Uclouvain, Teaching Assistant	2016 to 2018
ADVANCED MICROECONOMICS I (MA), Uclouvain, Teaching Assistant	2016

## SEMINARS, WORKSHOPS AND CONFERENCES

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**2023:** CMStatistics 2023 (Forcoming- december 2023), 23rd European Young Statisticians Meeting, FNRS Contact Group 'Wavelets and Application' (ULB), Brown Bag Seminar (CORE), **2021:** 4th International Conference on Econometrics and Statistics (EcoSta 2021), UCLouvain (doctoral workshop), **2019:** UCLouvain (doctoral workshop), **2018:** Belgian Financial Research Forum (National Bank of Belgium), UCLouvain (doctoral workshop), **2017:** UCLouvain (doctoral workshop), **2016:** UCLouvain (doctoral workshop).