

MATHIEU SAUVENIER

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

UCLouvain: Research and Teaching Assistant	September 2016 to date
IRES, Service d'Analyse Economique : Researcher	2019 to date

EDUCATION

CORE, UCLouvain, PhD in Econometrics	2023
HEC Paris, summer school, the future of energy	2019
Université Catholique de Louvain, Quantitative Economics, Research master	2016
Université Catholique de Louvain, Business Engineering, Bachelor	2014

SUBMITTED PAPERS

Direction Identification and Minimax Estimation by Generalized Eigenvalue Problem in High Dimensional Sparse Regression, with Sébastien Van Belleghem Job Market Paper
UNDER REVIEW at *Econometric theory*

Goodness-of-fit test for high-dimensional linear sparse model selection, with Sébastien Van Belleghem
UNDER REVIEW at *Statistics and probability letters*

ECONOMIC REPORTS

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.

WORK IN PROGRESS

High dimensional locally stationary wavelet process, with Sébastien Van Belleghem and Daniel Koch
From double asymptotic to functional regression

ACADEMIC TEACHING ASSIGNMENTS

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

SEMINAR, WORKSHOP AND CONFERENCES

2023: 23rd European Young Statisticians Meeting (Forcoming- september 2023), 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).