# Geert Mesters

## General Information


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| Address | Universitat Pompeu Fabra<br>Department of Economics<br>Ramon Trias Fargas 25-27<br>08005 Barcelona, Spain |
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| Website | http://www.geertmesters.com |
| Citizenship | Dutch |


## Employment

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| 2020/- | **Associate Professor of Economics** (with tenure), Universitat Pompeu Fabra, Barcelona |
| 2022/- | **Associate Researcher**, CREI |
| 2015/- | **Affiliate Professor** at Barcelona Graduate School of Economics |
| 2018/21 | **Affiliate Researcher** at Vrije Universiteit Amsterdam |
| 2015/20 | **Assistant Professor of Economics** at Universitat Pompeu Fabra, Barcelona |

## Education

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|---|---|
| 2010/15 | **PhD Econometrics**, Vrije Universiteit Amsterdam and Tinbergen Institute<br>Dissertation title: "Essays on Nonlinear Panel Time Series Models" |
| 2010/15 | **PhD Law and Criminology**, Vrije Universiteit Amsterdam and The Netherlands Institute for the Study of Crime and Law Enforcement<br>Dissertation title: "Disentangling Criminal Careers for Disadvantaged Youths" . |
| 2008/10 | **MSc Econometrics** (cum laude), Vrije Universiteit Amsterdam |
| 2006/08 | **BSc Econometrics and Operational Research** (distinction), Vrije Universiteit Amsterdam |

## Publications in Economics

2021 Barnichon, R. & Mesters, G. (2021), "The Phillips Multiplier", *Journal of Monetary Economics*, 117, pp. 689-705.

Brownlees, C. T. & Mesters, G. (2021), "Detecting Granular Time Series in Large Panels", *Journal of Econometrics*, 220, pp. 544-561.

2020 Barnichon, R. & Mesters, G. (2020), "Identifying modern macro equations with old shocks ", *The Quarterly Journal of Economics*, 135, pp 2255-2298.

2018 Barnichon, R. & Mesters, G. (2018), "On the Demographic Adjustment of Unemployment". *The Review of Economics and Statistics*, 100, pp. 219–231.

2017 Koopman, S.J. & Mesters, G. (2017), "Empirical Bayes Methods for Dynamic Factor Models". *The Review of Economics and Statistics*, 99, pp. 486–498.

2016 Mesters, G., Ooms, M. & Koopman, S.J. (2016), "Monte Carlo Maximum Likelihood Estimation for Generalized Long-Memory Time Series Models". *Econometric Reviews*, 35, pp. 659–687.

2014 Mesters, G. & Koopman, S.J. (2014), "Generalized Dynamic Panel Data Models with Random Effects for Cross-Section and Time", *Journal of Econometrics*, 180, pp. 127–140.

Mesters, G. & Koopman, S.J. (2014), "Forecasting the Boat Race". In: Koopman, S.J. & Shepherd, N. (Eds.). Unobserved Components and Time Series Econometrics. Oxford: Oxford University Press, pp. 90–117

## Publications in Criminology

2017 van den Berg, C. & Mesters, G. (2017), "The Employment-Crime Association for Individuals Convicted of a Sexual Offense in their Youth", *Journal of Developmental and Life-Course Criminology*, 3, pp. 440–467.

2016 Mesters, G., V. van der Geest & C. Bijleveld (2016), "Crime, Employment and Social Welfare: an individual-level study on disadvantaged males". *Journal of Quantitative Criminology*, 32, pp. 159–190.

2013 — Mesters, G., Bijleveld, C.C.J.H. & Hushek, D. (2013), "The Effect of Unemployment on Crime in High Risk Families in the Netherlands between 1920 and 2005". In: Weerman, F. & Bijleveld, C.C.J.H. (Eds.). Criminal behavior from school to the workplace. Untangling the complex relations between employment, education, and crime. London: Routledge, pp. 142–165.

## Non/light refereed publications

2018 — van Dijk, D. & Mesters, G. (2018), "Amsterdam bepalend voor woningprijzen", *Economisch Statistische Berichten (ESB)*, vol. 103(4767), pp. 492-494

2017 — Barnichon, R. & Mesters, G. (2017), "How Tight Is the U.S. Labor Market?", *San Francisco Fed letter*,

## Working Papers

2023 — Barnichon, R. & Mesters, G. (2023), Evaluating Policy Institutions —150 years of US Monetary Policy—.

Caggese, A. & Mesters, G. (2023), "Identifying Firm-Level Financial Frictions using Theory-Informed Restrictions".

2022 — Mesters, G. & Zwiernik, P. (2022), "Non-Independent Component Analysis", *Reject and resubmit at the Annals of Statistics.*

Barnichon, R. & Mesters, G. (2022), "A Sufficient Statistics Approach to Macro Policy Evaluation", *Conditionally accepted at the American Economic Review.*

Barnichon, R. & Mesters, G. (2022), "Reconciling Fiscal Ceilings with Macro Stabilization", *Submitted.*

Lee, A. & Mesters, G. (2022), Robust Inference for Non-Gaussian Linear Simultaneous Equations Models, *Revision requested at Journal of Econometrics.*

Hoesch, L., Lee, A. & Mesters, G. (2022), " Robust Inference for Non-Gaussian SVAR models", *Revision requested at Quantitative Economics.*

2018 — Mesters, G., Schwaab, B. & Koopman, S.J. (2018), "Nonlinear Dynamic Factor Models with Interacting Level and Volatility", *Revising.*

## Work in Progress

2023 | Barnichon, R. & Mesters, G. (2022), "Inference on Policy Paths".

## Awards & Grants

2021 | **Grant**: ERC Starting Grant, awarded by the European Research Council (ERC) for the project: "Econometrics for Macroeconomic Policy Evaluation"

2020 | **Grant**: Ramón y Cajal Fellowship, awarded by the Spanish Ministry of Economy, Industry and Competitiveness.

2018 | **Grant**: VENI research grant, awarded by The Netherlands Organisation for Scientific Research (NWO)

2017 | **Award**: Arnold Zellner Thesis Award for the thesis: "Essays on Nonlinear Panel Time Series Models", granted by the Business and Economic Statistics section of the American Statistical Association

**Honorable mention (second place)**: Christian Huygens 2017 Science Award granted in the area of mathematics, actuarial sciences and econometrics

**Grant**: Juan de la Cierva - Formacion, awarded by the Spanish Ministry of Economy, Industry and Competitiveness.

2016 | **Grant**: Ayudas Fundacion BBVA a Equipos de Investigacion Científica 2016 (joint with Barbara Rossi, Madjid Al Sadoon and Christian Brownlees)

2014 | **Grant**: Marie Curie CoFund Grant

## PhD Supervision (first placement in brackets, main advisor indicated by ∗)

2021-2025 | Hirotaka Ito*, UPF

2019-2024 | Jiaming Huang*, UPF

2018-2023 | Jairo Flores*, UPF (Central Bank of Peru, returning)

2017-2022 | Adam Lee*, UPF (BI Norwegian Business School)

Bjarni Einnarsson*, UPF (Central Bank Iceland, returning)

2016-2021 | Lukas Hoesch, UPF (VU Amsterdam)

2015-2020 | Yiru Wang, UPF (University of Pittsburgh)

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| 2014-2019 | Florens Odendahl, UPF (Banque de France) |
| 2013-2018 | Gergely Ganics, UPF (Bank of Spain) |

## Teaching

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|---|---|
| 2023 | POLICYMETRICS (CREI summer school) |
| 2021 | Statistical Modeling and Inference (BSE, Master in Data Science) |
| 2019/20 | Empirical Methods for Macroeconomics (Summer school at Universidad de los Andes, Bogota, Colombia) |
| | Econometrics II (UPF, undergraduate) |
| 2016/- | Quantitative and Statistical Methods I (BSE, master) |
| 2014/- | Advanced Econometrics I (BSE, PhD)<br>Econometrics I (BSE, master) |
| 2014/17 | Advanced Econometrics III (BSE, graduate) |
| 2010/14 | Advanced Time Series Econometrics (VU, graduate)<br>Business Mathematics (VU, undergraduate)<br>Statistics (VU, undergraduate) |

## Conferences and Seminars

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|---|---|
| 2023 | Tenth Italian Congress of Econometrics and Empirical Economics (Cagliari, Italy), Workshop Macroeconomic Risks and Policies (Alicante, Spain), NBER Summer Institute workshop on Monetary Economics (Boston, US, scheduled) , Algebraic Economics (Chicago, scheduled), CEMFI (seminar, scheduled) |
| 2022 | IAAE 2022 Annual Conference (London, UK), NBER Summer Institute workshop on Forecasting & Empirical Methods (Boston, US), Bologna (seminar, Italy), European Central Bank (seminar, Germany) |
| 2021 | CFE (London, UK), Georgetown (seminar, US), IAAE 2021 annual conference (online), EC2 conference (online) |
| 2020 | Melbourne Online Series of Econometric Seminars, NBER Summer Institute workshop on Monetary Economics, Durham University (seminar, UK) |

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| 2019 | EC2 conference (Oxford), St. Louis Fed Econometrics Workshop (St Louis), Workshop on panel data (Amsterdam), Workshop in Time Series Econometrics (Zaragoza), IAAE 2019 Annual Conference (Nisocia, Cyprus) |
| 2018 | Tinbergen Institute (seminar, Amsterdam), Workshop Empirical Monetary Economics (Ofce, Paris), CEPR: Low Inflation and Wage Dynamics: Implications for Monetary Policy and Financial Stability (Rome, Italy), San Fransisco FED (seminar), Texas A&M (seminar, College Station), Dutch Central Bank (seminar, Amsterdam), NBER Summer Institute workshop on Forecasting & Empirical Methods (Boston, US), 2nd Lancaster Macroeconomic and Financial Time Series Analysis workshop (Lancaster, UK), 26th Symposium of the Society of Nonlinear Dynamics and Econometrics (Tokyo, Japan), Bayes Comp 2018 (Barcelona, Spain), Koc University (seminar, Istanbul), Workshop in Time Series Econometrics (Zaragoza) |
| 2017 | 25th Symposium of the Society of Nonlinear Dynamics and Econometrics (Paris, France), 10th Annual SoFie Conference (NYU, New York), First Catalan Economic Society Conference (Barcelona, Spain), 3rd International Workshop on Financial Markets and Nonlinear Dynamics (Paris), The 13th International Symposium on Econometric Theory and Applications (SETA 2017, Beijing), IAAE 2016 Annual Conference (Sapporo, Japan), Workshop on Time Series Analysis in Macro and Finance (Barcelona GSE Summer Forum), 2017 International Panel Data Conference (Thessaloniki, Greece), Dutch Central Bank (seminar, Amsterdam), National Bank of Serbia (seminar, Belgrade) |
| 2016 | Workshop on Time Series Analysis in Macro and Finance (Barcelona GSE Summer Forum), IAAE 2016 Annual Conference (Milan, Italy), Risk Measures Conference (Orleans, France), 10th International Conference on Computational and Financial Econometrics (Sevilla, Spain), SAEe 2016 (Bilbao, Spain), EC2 2016 (Toulouse, France) |
| 2015 | European Society of Criminology meeting 2015 (Porto), Workshop on Time Series Analysis in Macro and Finance (Barcelona GSE Summer Forum), The 11th International Symposium on Econometric Theory and Applications (SETA 2015, Tokyo), Workshop on High-Dimensional Time Series in Macroeconomics and Finance (Vienna), Workshop in Time Series Econometrics (Zaragoza), Third Lisbon Research Workshop on Economics, Statistics and Econometrics of Education, 6th Italian Congress of Econometrics and Empirical Economics (Salerno) |
| 2014 | Workshop on Forecasting Techniques (European Central Bank, Frankfurt), RES job market meeting (UCL, London), University of Saint Andrews (seminar), University of Bonn (seminar), Monash University (seminar), Universitat Pompeu Fabra (seminar), University of Manchester (seminar), Glasgow University (seminar) |

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| 2013 | NBER-NSF time series conference (Federal Reserve Board, Washington), Workshop on Non-Standard Monetary Policy (European Central Bank, Germany), European Central Bank (Financial Research seminar series), VU University (Econometrics and Operational Research seminars) |
| 2012 | EEA-ESEM (Malaga, Spain), NBER-NSF time series conference (College Station, United States), CFE-ERCIM (Oviedo, Spain), University of Alicante (Economics seminar), NESG meeting (Groningen, The Netherlands), Tinbergen Institute (PhD seminar series), Annual Conference of the European Society of Criminology (Bilbao, Spain), Workshop on Education, Employment and Crime (Amsterdam, The Netherlands), Conference in honor of Andrew Harvey's 65th year (Oxford-Man Institute, Oxford, United Kingdom) |

## Other Professional Activities

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| 2019 | **Co-organizer**: Galatina Summer Meetings, Econometrics program (joint with Christian Brownlees) |
| 2018 | **Visitor** San Fransisco FED |
| 2017 | **Visitor**: European Central Bank, Financial Research Division. |
| | **Co-organizer**: BayesComp conference Barcelona (joint with Omiros Papaspiliopoulos, Robert Castelo, Vicenc Gómez, Theo Kypraios, David Rossell and Piotr Zwiernik) |
| 2015/18 | **Co-organizer**: Workshop Time Series in Macro Economics and Finance, Barcelona GSE Summerforum (joint with Majid Al Sadoon, Christian Brownlees and Barbara Rossi) |
| 2013 | **Internship**: European Central Bank, Financial Research Division. |
| 2011/12 | **Econometric Game** participant and second place in 2011. |

**Last updated: June 7, 2023**
**www.geertmesters.com for abstracts, papers, presentations and code.**