Geert Mesters

General Information

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Citizenship	Dutch

Employment

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

2010/15	**PhD Econometrics**, Vrije Universiteit Amsterdam and Tinbergen Institute 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 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

2024

Mesters, G. & Zwiernik, P. (2024), "Non-Independent Component Analysis", *Forthcoming in the Annals of Statistics.*

Hoesch, L., Lee, A. & Mesters, G. (2024), "Locally Robust Inference for Non-Gaussian SVAR models", *Quantitative Economics.* vol 15, pp 523-570

Lee, A. & Mesters, G. (2024), "Locally Robust Inference for Non-Gaussian Linear Simultaneous Equations Models", *Journal of Econometrics*, vol 240-1, pp. 1050647.

2023

Barnichon, R. & Mesters, G. (2023), "A Sufficient Statistics Approach to Macro Policy Evaluation", *American Economic Review*, vol 113 (11), pp. 2809-45.

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

2024 — Barnichon, R. & Mesters, G. (2024), Evaluating Policy Institutions —150 years of US Monetary Policy—, *Revision requested at Econometrica.*

Caggese, A. & Mesters, G. (2024), "Identifying Firm-Level Financial Frictions using Theory-Informed Restrictions", *Submitted.*

2023 — Barnichon, R. & Mesters, G. (2023), "Measuring Fiscal Discipline - A Revealed Preference Approach", *Submitted.*

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

Work in Progress

2024 Barnichon, R. & Mesters, G. (2024), "Econometric Evaluation of Macro Policy – a selective review –".

Barnichon, R. & Mesters, G. (2024), "Innovations meet Narratives –improving the power-credibility trade-off in macro–".

Barnichon, R. & Mesters, G. (2024), "Impulse Response Features".

Barnichon, R. & Mesters, G. (2024), "Targeting Policy Counterfactuals".

Lee, A. & Mesters, G. (2024), "Mean Independent Component Analysis".

Mesters, G. & Petrova, K. (2024), " Maximum a Posteriori Bootstrap".

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 $*$)

2022-2026	Andre Terreri*, UPF
2021-2025	Tom Pesso*, UPF
2021-2025	Hirotaka Ito*, UPF
2019-2024	Jiaming Huang*, UPF (Bocconi, 1 year postdoc, HKUST, AP)
2018-2023	Jairo Flores*, UPF (Central Bank of Peru, returning)
2017-2022	Adam Lee*, UPF (BI Norwegian Business School, AP)
	Bjarni Einnarsson*, UPF (Central Bank Iceland, returning)
2016-2021	Lukas Hoesch, UPF (VU Amsterdam, AP)
2015-2020	Yiru Wang, UPF (University of Pittsburgh, AP)
2014-2019	Florens Odendahl, UPF (Banque de France)
2013-2018	Gergely Ganics, UPF (Bank of Spain)

Teaching

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) Econometrics I (BSE, master)
2014/17	Advanced Econometrics III (BSE, graduate)
2010/14	Advanced Time Series Econometrics (VU, graduate)

Business Mathematics (VU, undergraduate)
Statistics (VU, undergraduate)

Conferences and Seminars

2024	UCL (seminar), CREI (seminar), Princeton (seminar), Brown (seminar), BI Norwegian (seminar), RES 2024 Annual Conference (invited lecture), Norges Bank Monetary Policy Mini-Workshop (invited lecture), 55th Konstanz Seminar on Monetary Theory and Monetary Policy (invited lecture), NBER Summer Institute (Forecasting and Empirical methods), SETA (Taiwan), UCM3 (seminar, scheduled), Danmarks Nationalbank (seminar, scheduled), Bocconi (seminar, scheduled), ECB (seminar, scheduled)
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), NBER/NSF Time Series Conference (Montreal), CEMFI (seminar), Algebraic Economics (Chicago, invited), Urbana-Champagne (Trends in Macroeconometrics workshop, invited), Sixth ECB biennial conference on "Fiscal Policy and EMU Governance" (workshop, invited)
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)
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)
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

2024	**Visitor** New York FED
2023	**Visitor** San Fransisco FED
2023-	**Co-organizer** Macroeconometrics and Policy Evaluation & Microeconometrics and Policy Evaluation workshops in BSE summerforum (joint with Barbara Rossi, Katerina Petrova, Christian Brownlees and Kirill Evdokimov)
2022–	**Co-organizer**:Virtual Time Series Seminar (VTSS), https://sites.google.com/view/vtss/ (joint with Majid Al-Sadoon, Adriana Cornea-Madeira, Alessandra Luati, Michele Piffer, and Abderrahim Taamouti)
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.

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www.geertmesters.com for abstracts, papers, presentations and code.