Yu Bai

Curriculum Vitae

Department of Econometrics and Business Statistics
Monash University
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My Webpage
Github

Current Position

Sept., 2022 – present **Research fellow**, *(Level B, Step 6)*, Department of Econometrics and Business Statistics, Monash University.

Past Position

Jan., 2022 – Aug.,2022 **Research fellow**, Department of Economics, Università Bocconi.

Education

2016–2022 : **PhD in Economics & Finance**, *Università Bocconi*, Milan, Italy.
Finance track

2013–2016 : **M.A. in Economics**, *Huazhong University of Science & Technology*, Wuhan, China.

2008–2012 : **B.A. in Management**, *Shanxi University of Finance & Economics*, Taiyuan, China.

Research Interests

Econometrics; Forecasting; Applied Macroeconomics; Financial Econometrics

Working papers

Papers can be downloaded by clicking the title.

2023 Yu Bai. Optimal forecasting under parameter instability *Job Market Paper*. 2023.

2023 Yu Bai. Local GMM estimation for nonparametric time-varying coefficient moment condition models. 2023.

Publications

Papers can be downloaded by clicking the title.

2023 Yu Bai, Massimiliano Marcellino, and George Kapetanios. Mean group instrumental variable estimation of time-varying large heterogeneous panels with endogenous regressors. *Econometrics and Statistics,* forthcoming. Elsevier, 2023.

2022 Yu Bai, Andrea Carriero, Todd E Clark, and Massimiliano Marcellino. Macroeconomic forecasting in a multi-country context. *Journal of Applied Econometrics*, volume 37, pages 1230–1255. Wiley Online Library, 2022.

2018 Yu Bai, Shaofu Zhou, and Zhaoyuan Fan. A Monte Carlo comparison of GMM and QMLE estimators for short dynamic panel data models with spatial errors. *Journal of Statistical Computation and Simulation*, volume 88, pages 376–409. Taylor & Francis, 2018.

Working in Progress

202x Yu Bai, Yufeng Mao, and Bin Peng. Forecasting with hierarchical factor augmented regression models. 202x.

Research Grant

Sept.,2020 – Aug.,2022 **MIUR, "Hi-Di NET**, *Econometric Analysis of High Dimensional Models with Network Structures in Macroeconomics and Finance*.

Advisor: **Massimiliano Marcellino**, Professor of Econometrics, Department of Economics, Università Bocconi.

Research Experience

Spring,2019 **Research Assistant**, *Università Bocconi*.
Provide and check existing Matlab code for large dimensional macroeconomic forecasting models.

Fall,2019 **Research Assistant**, *Università Bocconi*.
Provide Matlab code to estimate proxy VAR models.

Advisor: **Massimiliano Marcellino**, Professor of Econometrics, Department of Economics, Università Bocconi.

Teaching Experiences

Spring, 2020,2021,2022 **Econometrics III**, *PhD level*, Università Bocconi, Instructor.

Fall, 2023 **Financial Econometrics**, *Undergraduate level*, Monash University, Teaching assistant.

Spring, 2019,2020,2021,2022 **Econometrics**, *Postgraduate level*, Università Bocconi, Teaching assistant.

Spring, 2014,2015 **Time Series Analysis**, *Undergraduate level*, Huazhong University of Science & Technology, Teaching assistant.

Professional Services

Referee for: Journal of Time Series Econometrics, Journal of Forecasting

Conference Presentations

2023

Aug.7-10 2023 Econometric Society Australasian Meeting, Sydney.

July 7-8 SETA 2023, Singapore.

June 27-30 2023 IAAE Annual Conference, Oslo.

2022

Nov.7-8 7th Continuing Education in Macroeconometrics workshop, Melbourne.

Dec.1-2 he TSF2022 Symposium, Sydney.

2021 (Virtual)

Dec.18-20 CMStatistics 2021, London.

June 22-25 2021 IAAE Annual Conference, Rotterdam.

June 18 Dongbei University of Finance and Economics, Dalian.

June 10-13 2021 North American Summer Meeting of the Econometric Society, Montréal.

2020

Nov.6 Capital University of Economics and Business, Beijing. (Virtual)

Aug.17-21 The Econometric Society World Congress, Milan. (Virtual)
Jan.30 University of Strathclyde, Glasgow.

2019

June 14-16 2019 Asian Meeting of the Econometric Society, Xiamen.
July 4-5 25th International Panel Data Conference, Vilnius.

Fellowships & Awards

2016 –2020 Bocconi PhD Fellowship.

References

Massimiliano Marcellino (PhD advisor)
Professor of Econometrics
Department of Economics
Università Bocconi
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Bin Peng (Postdoc manager)
Associate Professor
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Professor of Economics
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Natalia Bailey (Teaching reference)
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