

## Qin Fang

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OFFICE ADDRESS	Room 4090 Discipline of Business Analytics The University of Sydney H70 Abercrombie Building NSW 2006, Sydney, Australia.	<i>E-mail:</i> qin.fang@sydney.edu.au <i>WWW:</i> <a href="https://qinnnnnf.github.io/">https://qinnnnnf.github.io/</a>
ACADEMIC POSITION	<b>The University of Sydney</b> , Business School, Sydney, Australia. Lecturer (Assistant Professor) in Business Analytics, January, 2024 –  <b>London School of Economics and Political Sciences</b> , Department of Statistics, London, U.K. Research Officer, May 2022 – December 2023 <ul style="list-style-type: none"><li>• Research project: “Statistical network analysis: model selection, differential privacy, and dynamic structures” funded by the EPSRC, under the direction of Prof. Qiwei Yao.</li></ul>	
EDUCATION	<b>London School of Economics and Political Sciences</b> , Department of Statistics, London, U.K. Ph.D., Statistics, January, 2019 – April, 2022 <ul style="list-style-type: none"><li>• Thesis: High-dimensional functional data/time series analysis: finite-sample theory, adaptive functional thresholding and prediction</li><li>• Advisor: Dr. Xinghao Qiao</li></ul> <b>London School of Economics and Political Science</b> , Department of Statistics, London, U.K. M.Sc., Statistics, September, 2016 – July, 2017  <b>Central University of Finance and Economics</b> , Department of Statistics, Beijing, China B.Sc., Statistics, September, 2012 – July, 2016	
RESEARCH INTERESTS	Functional data analysis: high-dimensional functional data, partially observed functional data. Complex time series analysis: functional time series, high-dimensional time series. High-dimensional data analysis: simultaneous testing, covariance and graph estimation. Network data analysis: dynamic networks, sparse network estimation.	
PUBLICATIONS AND PREPRINTS	Chang, J., Fang, Q. <sup>1</sup> , Qiao, X. and Yao, Q. (2024). On the modelling and prediction of high-dimensional functional time series, <i>Journal of the American Statistical Association</i> , in press.  Fang, Q., Guo, S. and Qiao, X. (2024). Adaptive functional thresholding for sparse covariance function estimation in high dimensions, <i>Journal of the American Statistical Association</i> , <b>119</b> (546), 1473–1485.  Fang, Q., Guo, S. and Qiao, X. (2022). Finite sample theory for high-dimensional functional time series with applications. <i>Electronic Journal of Statistics</i> , <b>16</b> (1), 527–591.  Chang, J., Fang, Q., Kolaczyk, E. D., MacDonald, P. W. and Yao, Q. (2024). Autoregressive networks with dependent edges, submitted to <i>Journal of the Royal Statistical Society: Series B</i> .  Fang, Q., Jiang, Q. and Qiao, X. (2024). Large-scale multiple testing of cross-covariance functions with applications to functional network models, submitted to <i>Journal of the American Statistical Association</i> .	

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<sup>1</sup>The authors are alphabetically ordered.

WORKING PAPERS UNDER PREPARATION	Chen, C., Fang, Q., and Qiao, X. (2024+). High-dimensional variable clustering for partially observed functional data.
	Fang, Q., Guo, S., Hong, Y. and Qiao, X. (2024+). Robust bias-corrected empirical likelihood for nonparametric functions with an application to regression discontinuity designs.
SIMINAR PRESENTATIONS	Invited talk at the School of Economics, University of Sydney, Sydney, Australia, October 2024.
	Invited talk at the Discipline of Business Analytics, University of Sydney Business School, Sydney, Australia, February 2023.
CONFERENCE PRESENTATIONS	Invited talk at the 7th International Conference on Econometrics and Statistics (EcoSta 2024), Beijing Normal University, Beijing, China, July 2024.
	Invited talk at the Macquarie University Business School Workshop on “Recent advances in functional data analysis”, Sydney, Australia, March 2024.
	Invited talk at the Tsinghua Sanya International Workshop on “Complex time series analysis: high-dimensionality, change-points, forecasting and causality”, Sanya, China, Jan 2024.
	Invited talk at the Network Stochastic Processes and Time Series (NeST) Away Day and Annual Meeting, York, U.K., Oct 2023.
	Invited talk at the 23rd European Young Statisticians Meeting, Ljubljana, Slovenia, September 2023.
	Invited talk at the Joint Statistical Meetings (JSM), Washington D.C., USA, August 2022.
	Invited talk at the 2022 IMS Annual Meeting in Probability and Statistics, London, U.K., June 2022.
	Invited talk at the 13th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2020), London, U.K., December 2020.
TEACHING EXPERIENCE	Invited talk at the PGMO Days 2019, Paris, France, December 2019.
	<b>The University of Sydney</b> , Sydney, Australia.
	• QBUS2820 Predictive Analytics 2024S2
	• QBUS6600 Data Analytics for Business Capstone 2024S2
	<b>London School of Economics and Political Science</b> , London, U.K.
	• ST102 Elementary Statistical Theory 2022/23, 2019/20
	• ST107 Quantitative Methods (Statistics) 2021/22, 2020/21
	• ST309 Elementary Data Analytics 2023/24, 2022/23, 2021/22, 2020/21
	• ST311 Artificial Intelligence 2021/22
	• ST443 Machine Learning and Data Mining 2021/22, 2020/21, 2019/20
LSE-PKU Summer School, Beijing, China	• Big Data: Data Analytics for Business and Beyond August 2019
PROFESSIONAL SERVICES	Paper reviewers for <i>Journal of the Royal Statistical Society: Series B</i> , <i>Journal of Machine Learning Research</i> , <i>Statistica Sinica</i> , <i>Journal of Computational and Graphical Statistics</i> .
	Local organising committee for 2022 IMS Annual Meeting in Probability and Statistics

HONORS AND AWARDS	The University of Sydney Business School Emerging Scholar Research Fellow	2024
	LSE Class Teacher Awards (Highly Commended)	2022/2023, 2020/2021, 2019/2020
	LSE PhD Studentships	2019-2023
	Winton Prize for academic excellence in MSc Statistics/MSc Statistics (Financial Statistics)	2017
	First Prize in the LSE Statistics Practitioners Challenge	2017