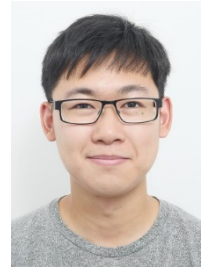


Curriculum Vitae

Jeffrey Chu

Personal Information

Address: 1009 Mingde Building, 59 Zhongguancun Street, Haidian, Beijing, 100872,
P.R. China
Date of Birth: 2nd April 1990 (34 years old)
Nationality: British
Email: jeffrey.jchu@gmail.com
Tel: +44 07910240469



Education

Bachelor BA (Hons), Economics, Upper Second Class
University of Manchester, School of Social Sciences, Manchester, UK. 09/2008 – 07/2011

Master (MA), Economics, Distinction
University of Manchester, School of Social Sciences, Manchester, UK. 09/2011 – 09/2012

PhD, Financial Mathematics
University of Manchester, School of Mathematics, Manchester, UK. 09/2014 – 01/2018

Work Experience

Research Associate 10/2017 – 06/2018
University of Manchester, School of Mathematics, Manchester, UK.
Project title: Bias reduction in the size estimation of big data

- Funded by the U.S. Army Research Laboratory and the U.S. Army Research Office under contract/grant number W911NF-12-R-0012-04.

Assistant Professor 09/2018 – 01/2020
Universidad Carlos III de Madrid, Department of Statistics, Madrid, Spain.

- Research Interests: Cryptocurrencies and Financial Technology; Statistical Modelling and Distribution Theory; Graphs and Networks.

Assistant Professor 01/2021 – Present
Renmin University of China, School of Statistics, Beijing, China.

- Research Interests: Cryptocurrencies and Financial Technology; Statistical Modelling and Distribution Theory; Graphs and Networks.

Selected Publications

- Chan, S., Chandrashekar, D., Almazloum, A., Zhang, Y., Lord, N., Osterrieder, J. and ***Chu, J.**, 2024. Stylized Facts of Metaverse Non-Fungible Tokens. *Physica A: Statistical Mechanics and its Applications*, 653, 130103. <https://doi.org/10.1016/j.physa.2024.130103>
- ***Chu, J.**, Chan, S. and Zhang, Y., 2023. An analysis of the return-volume relationship in decentralised finance (DeFi). *International Review of Economics & Finance*, 85, pp. 236-254. <https://doi.org/10.1016/j.iref.2023.01.006>
- ***Chu, J.**, Chan, S. and Zhang, Y., 2021. Bitcoin versus high-performance technology stocks in diversifying against global stock market indices. *Physica A: Statistical Mechanics and its Applications*, 580, 126161. <https://doi.org/10.1016/j.physa.2021.126161>
- ***Chu, J.**, 2021. A statistical analysis of the novel coronavirus (COVID-19) in Italy and Spain. *PLoS ONE*, 16, e0249037. <https://doi.org/10.1371/journal.pone.0249037>
- ***Chu, J.**, Zhang, Y., Chan, S. and Nadarajah, S., 2020. Bias reduction in the population size estimation of large data sets. *Computational Statistics & Data Analysis*, 145, 106914. <https://doi.org/10.1016/j.csda.2020.106914>

Selected Research Funding

- **RMB 400,000** National Natural Science Foundation of China (NSFC) 2024 Research Fund for International Young Scientists (RFIS-I) (**PI**): “Anomaly detection methods for blockchain-based networks”, (W2433186), 2025-2026.
- **CHF 25,000** Leading House Asia, ETH Zurich 2023 Applied Research Partnership Grant (**Co-PI**): “Graph-Theoretic Analysis for Consumer Credit Risk Assessment in Personal Lending” (with Osterrieder, J.), (ARP_112023_08), 2023-2024.
- **RMB 200,000** Beijing Natural Science Foundation (BJNSF) 2023 International Scientists Project (**PI**): “Research on Detecting Illicit Activity in Digital Cryptocurrency Networks”, (IS23126), 2023-2025.

Teaching Experience

Teaching Assistant, School of Mathematics, University of Manchester, Manchester, UK.	2015 – 2018
Lecturer, Department of Statistics, Universidad Carlos III de Madrid, Madrid, Spain.	2018 – 2020
Lecturer, School of Statistics, Renmin University of China, Beijing, China	2021 – Present

Invited Talks

- (**J. Chu**) “Digital Assets in War: A Double-Edged Sword”, HKUST (GZ) Workshop on Blockchain and Decentralized Finance, **Hong Kong University of Science and Technology (Guangzhou)**, Guangzhou, China, 2nd – 3rd November 2024.
- (**J. Chu**, S. Chan, and Y. Zhang) “An analysis of the return-volume relationship in decentralised finance (DeFi)”, **ICSA China Conference 2023**, Chengdu, China, 30th June – 3rd July 2023.
- (**J. Chu**) “Bias reduction in the population size estimation of large data sets”, **Renmin University of China**, School of Statistics, Beijing, China, December 14th 2021.
- (**J. Chu**) “A Statistical Analysis of Cryptocurrencies”, **Universidad Carlos III de Madrid**, Department of Statistics, Madrid, Spain, November 23rd 2018.
- (**J. Chu**) “Statistical Distribution Theory and its Applications”, **University of International Business and Economics**, Department of Statistics, Beijing, China, April 2nd 2018.
- (**J. Chu**) “Statistical methods and distribution theory with applications to finance and large data sets”, **IBM UK**, STFC Daresbury Laboratory, Daresbury, Cheshire, UK, August 22nd 2017.

Selected Conference Presentations

- (**J. Chu**) “Digital Assets in War: A Double-Edged Sword” (contributed talk). The 4th International Conference on Mathematics and Statistics (AUS-ICMS’25), American University of Sharjah, Dubai, United Arab Emirates, 20th – 22nd February 2025.
- (**J. Chu**) “Network Transitions in the Cryptocurrency Market: The Impact of Regional Conflicts” (contributed talk). The 7th International Conference on Econometrics and Statistics (EcoSta 2024), Beijing Normal University, Beijing, China, 17th – 19th July 2024.
- (**J. Chu**) “The financial impact of war on cryptocurrencies” (contributed talk). The 6th International Conference on Econometrics and Statistics (EcoSta 2023), Waseda University, Tokyo, Japan, 1st – 3rd August 2023.
- (S. Chan, Y. Zhang, **J. Chu**) “Network transitions in the cryptocurrency market: Evidence from military conflict” (contributed talk). Joint Conference on Statistics and Data Science in China (JCSDS 2023), Beijing, China, 11th – 13th July 2023.
- (**J. Chu**, S. Chan, and Y. Zhang) “An analysis of the return-volume relationship in decentralised finance (DeFi)” (contributed talk). Cryptocurrency Research Conference 2022, Durham University, Durham, UK, September 22nd – 23rd 2022.

Service and Affiliations

Invited Session Organiser

- EO068: “Statistics and data science for digital finance and tokenomics”, 7th International Conference on Econometrics and Statistics (EcoSta 2024), Beijing Normal University, Beijing, China, 17th – 19th July 2024.
- EO055: “Econometrics and statistics for the digital asset economy”, 6th International Conference on Econometrics and Statistics (EcoSta 2023), Waseda University, Tokyo, Japan, 1st – 3rd August 2023.
- 23CHI169: “Statistical Methods and Analysis for the Digital Asset Economy”, ICSA China Conference, Chengdu, China, 30th June – 3rd July 2023.

- EO059: “Econometrics and statistics in blockchain, digital currencies, and decentralised finance”, 5th International Conference on Econometrics and Statistics (EcoSta 2022), Ryukoku University, Kyoto, Japan, 4th – 6th June 2022.
- EO185: “Econometrics and statistics with applications to cryptocurrencies and the blockchain”, 4th International Conference on Econometrics and Statistics (EcoSta 2021), Hong Kong University of Science and Technology, Hong Kong, 24th – 26th June 2021.

Organising Committee

- Renmin University of China 9th International Forums on Statistics (IFS), Beijing, China, 14th – 15th July 2023.
- Bits and Blocks (Blockchain) Workshop 2021, Online, 18th December 2021.
- “Mathematics for Industry: Blockchain and Cryptocurrencies” Conference, University of Manchester, 2018.

Technical Program Committee

- 1st IEEE International Workshop on Cryptocurrency Exchanges (CryptoEx 2023), Dubai, UAE, 5th May 2023.
- 2nd IEEE International Workshop on Cryptocurrency Exchanges (IEEE CryptoEx’ 2024), Dublin, Ireland, 5th May 2023.

Guest Editor

- Special Issue “Digital Assets Never Sleep? Unpacking New Digital Tokens”, Journal of Chinese and Economic and Business Studies, 2023-2024.
- Special Issue “Smart Cities Research in Enabling Technologies and Tools”, Journal of Risk and Financial Management, 2020-2022.
- Special Issue “Blockchain and Cryptocurrencies”, Journal of Risk and Financial Management, 2019-2020.

Skills

- Experience in statistical analysis and software (R), and basic knowledge of statistical software (Stata; Eviews).
- Proficient in LaTeX for producing clear scientific reports and documents.
- Languages: English (native), Mandarin and Cantonese Chinese (conversational), and Spanish (basic).