## Tao Ma

CONTACT INFORMATION		edin.com/in/tao-ma-93642013a obaobaochifan.github.io		
EDUCATION	Ph.D. Candidate in Statistics (Data Science Group)		21 – Jan 2026 London	
			6 – Aug 2018 New York	
	Hong Kong Baptist University (HKBU) Bachelor of Science in Statistics and Operations R GPA 3.87/4.00 (Rank 1/61 in the Math Departme	esearch (Science Elite Program)	2 – Aug 2016 Hong Kong	
Relevant Coursework	Reinforcement Learning, Game Theory, Stochastic Analysis, Survival Analysis, Nonparametric Statistics, Time Series, Categorical Data, Numerical Methods, Linear Programming, Topology, Differential Equations, Real/Complex/Functional Analysis, Information Theory, Mathematical Foundations of Computing, Natural Language Processing with Deep Learning			
Publications and Preprints	Ma, T., Yang, X., & Szabó, Z. (2024). To Switch or not to Switch? Balanced Policy Switching in Offline Reinforcement Learning. arXiv preprint arXiv:2407.01837.   Ma, T., & Yang, X. (2024). A Framework for Policy Evaluation Enhancement by Diffusion Models. Tiny Papers ICLR. (Invite to present)			
	Ma, T., Zhu, J., Cai, H., Qi, Z., Chen, Y., Shi, C., & Laber, E. B. (2023+). Sequential Knockoffs or Variable Selection in Reinforcement Learning. arXiv preprint arXiv:2303.14281. (SEEK)			
SELECTED	• LSE Class Teacher Award		2022 - 2023	
ACHIEVEMENTS	• LSE PhD Studentship (the highest honor for	graduate students)	2021 - 2025	
	• Best Teaching Assistant Award (HKUST)		2019 - 2020	
	• HKSAR Government Scholarship (the highes	t honor for undergraduates in HK)	2013 - 2016	
	$\bullet$ Outstanding Student Award (7/4134, by The	e Baptist Convention of HK)	2015 - 2016	
	• Scholastic Award		2015 - 2016	
	• APEC Scholarship (by Asia Pacific Economic	c Cooperation)	2014 - 2016	
	$\bullet$ Best Debater prize at The World Mandarin l	Debating Championship, HK	2015 - 2016	
	$\bullet$ Summer Undergraduate Research Fellowship		2014 - 2015	
	$\bullet$ Mr. Li Men Jan Prize in Mathematics		2014 - 2015	
	• Department of Mathematics Outstanding Ac	ademic Performance Award	2013 - 2014	
	• Sir Tseng Chi Lu Scholarship		2013 - 2014	
	• President's Honour Roll		2012 - 2016	

 ${\rm Skills}$ 

Python, R, SAS, MATLAB, LATEX, HTML, CSS, JavaScript, Bash, PyTorch, Jupyter Notebook, VS Code, Linux, Git, Google Cloud Platform, local high-performance computing management

Academic Service	International Conference on AI and Statistics (AISTATS) Reviewer (main track submissions)	Sep 2024 – Jan 2025		
	International Conference on Learning Representations (ICLR) Reviewer (main track submissions)	Sep 2024 – Jan 2025		
	Neural Information Processing Systems (NeurIPS) Reviewer (main track submissions)	Jun 2024 – Sep 2024		
	London School of Economics and Political Science  Committee member  • Department Review Representative	London 2024		
	• Department Teaching Committee	2023 – Present		
	• Department Moving Plan Committee	2023 - Present		
Academic Experience	London School of Economics and Political Science Class Teacher	Sep 2021 – Present London		
	• Undergraduate courses:			
	♦ ST101 Programming for Data Science (Python) Sep 2022 – Present Numpy, Pandas, testing, object-oriented programming, functional programming			
	<ul> <li>ST107 Quantitative Methods</li> <li>Introductory statistics for students in social science</li> </ul>	Jan 2022 – May 2022		
	♦ ST102/109/110 Elementary Statistical Theory One-year rigorous course in probability and statistics	Sep 2022 – Present		
	• Graduate courses:			
	<ul> <li>ST445 Managing &amp; Visualizing Data (Python)</li> <li>Pandas, BeautifulSoup, Sklearn, Jupyter Notebook</li> </ul>	Sep 2021 – Dec 2021		
	Hong Kong University of Science and Technology Research Assistant	Oct 2018 – Nov 2019 Hong Kong		
	• Mathematical physics, partial differential equations and signal processing of robots.			
	New York University	Sep 2017 – Dec 2017		
	Recitation Leader New York  • MATH-UA 211 Mathematics for Economics: calculus with economic theory.			
Industrial Experience	Bank of China Internship – Corporate Banking and Financial Institute	Dec 2014 – Jan 2015 Hong Kong		
Other Professional	University Mandarin Debate Team President, coach	Sep 2012 – Aug 2016 Hong Kong		
EXPERIENCE	• Organized weekly training sessions, managed administrative tasks, participated in international competitions and gave 3-round interviews to around 100 applicants each year.			
	Professional Swimming Individual Medley (200 meters), Breaststroke (100 meters), Butterfly Stro	2004 – 2009 ske (100 meters) Beijing		
Languages	Mandarin (native), English (fluent), Cantonese (fluent)			
Interests	Basketball, calligraphy and music			

GAMES Poker, Mahjong, Pokémon, Mario, Kirby, Dragon Ball, NBA 2K, Asphalt, FIFA, Horizon 4, Zelda, GTA 5 and a lot of others