Haowei Tang

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Citizenship: Canadian
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Research Fields

Macroeconometrics, Causal Inference, Monetary Policy and Banking

Education

2017-2022	Ph.D. Economics (with the Senate Medal nomination) - **Carleton University** *Supervisor: Lynda Khalaf*
2016-2017	M.A. Economics - **University of Ottawa**
2011-2015	B.Math. (Honours) Actuarial Science/Finance Option - **University of Waterloo**

Conference Participation

September 23-24, 2022	NBER-NSF Time Series Conference *Poster Session*
July 6-8, 2022	Australasia Meeting of the Econometric Society
June 21-24, 2022	Annual Conference of the International Association for Applied Econometrics
June 17-19, 2022	28th International Conference Computing in Economics and Finance
June 6-7, 2022	17th CIREQ Ph.D. Students' Conference - Econometrics I session
March 4-6, 2022	The Rimini Centre for Economic Analysis (RCEA)
June 3-5, 2021	Canadian Economics Association Meetings
March 9-10, 2020	Emerging Perspectives FPA Graduate Conference *Poster Session*

Academic Work Experience

Winter 2021	Research Assistant	Professor Lynda Khalaf
Fall 2020	Research Assistant	Professor Louis-Philippe Beland
Summer 2020	Research Assistant	Professor Hashmat Khan
Winter 2020	Teaching Assistant	ECON2210: Intro Statistics for Economics
Fall 2019	Teaching Assistant	ECON5027: Econometrics I
Fall 2019	Teaching Assistant	ECON4706: Econometrics I
Summer 2019	Teaching Assistant	ECON2220: Intro to Econometrics
Summer 2019	Teaching Assistant	ECON2210: Intro Statistics for Economics
Fall 2018	Teaching Assistant	ECON1001: Intro to Microeconomics

Professional Work Experience

2018 - Present	Canada Revenue Agency, 320 Queen St, Ottawa, ON K1R 5A3 *Compliance Analyst (Part-time student)*

- Applied state-of-the-art method with Difference-in-Differences framework to evaluate the effects of audit on compliance behaviour;

- Assisted in studying COVID-19 economic impacts on the Canadian economy. My work mainly involved time series data cleaning, such as seasonality adjustment and calendarization;

- Built predictive models, using supervised machine learning methods such as Neural Nets, to forecast non-compliance activities ;

- Performed clustering analysis with unsupervised machine learning methods, such as DB-SCAN and K-means, to study the common characteristics of non-compliance activities;

- Assisted in evaluating and exploring data to identify interesting attributes related to non-compliance.

Awards and Grants

2020-2022	Ontario Graduate Scholarship ($15,000)
2017	Carleton University Economics Departmental Scholarship ($33,000)
2017	Carleton University Economics Department Entrance Scholarship ($3,000)

External Courses

2021	Difference-in-Differences *Statistical Horizons*
	Instructor: Pedro H. C. Sant'Anna
2021	Matching and Weighting for Causal Inference Using R *Statistical Horizons*
	Instructor: Stephen Vaisey

Programming Skills

Working knowledge:	R, STATA, SAS, Matlab, Python, Neo4j