Boyuan Wang
Canadian Permanant Resident

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Economist

Experienced researcher with a strong track record in high-impact analysis. Proven expertise in economic modelling, policy evaluation, causal inference, and statistical analysis to support evidence-based decision-making. Skilled in managing large datasets and performing advanced data analysis and visualization. Known for conceptual thinking, research management, and producing actionable insights. Adept at fostering collaboration in dynamic environments, with a strong commitment to continuous learning and growth.

Technical Skills

- Data Analysis & Database Tools: SQL, Python, R, Stata
- Data Visualization: Tableau, Power BI, Excel, QGIS
- Statistical Analysis & Simulation: MATLAB
- Word Processing & Reporting: LaTeX, MS Office

Research Experience

Economic Researcher   Dec 2019 – Dec 2021
Simon Fraser University   *Burnaby, Canada*
- Conducted empirical research on marriage dissolution in Japan, examining how limited knowledge of a partner's Burakumin identity affects the likelihood of divorce
- Generated a detailed population density map using QGIS
- Simulated a model to demonstrate the underlying mechanism in MATLAB
- Performed comprehensive statistical and visual analyses in Stata

Economic Researcher   Apr 2022 – Sep 2023
Simon Fraser University   *Burnaby, Canada*
- Investigated the relationship between pharmaceutical company campaign contributions and US state lawmakers' roll call votes on COVID vaccine mandates
- Performed web scraping and data wrangling in R to gather and process data on state legislators from various databases
- Conducted empirical analysis using Stata

Economic Researcher   Apr 2023 – Nov 2023
Simon Fraser University   *Burnaby, Canada*
- Examined the mechanism behind the conscription wage premium in South Korea
- Performed statistical and visual analysis utilizing both Stata and R

Research Analyst   May 2020 – Aug 2020
SFU Economics Department   *Burnaby, Canada*
- Examined academic integrity in online courses
- Identified quizzes, assignments, and exams where cheating may have occurred
- Regularly presented findings to the manager, graduate chair, and department chair
- Summarized findings into actionable reports with recommendations to prevent future cheating

Education

Simon Fraser University	Sep 2017 – Oct 2024
PhD, Economics	*Burnaby, Canada*
Simon Fraser University	Sep 2016 – Oct 2017
MA, Economics	*Burnaby, Canada*
University of Windsor	Sep 2012 – Jun 2016
Bcomm, Business and Economics	*Windsor, Canada*

Teaching Experience

Instructor — May 2021 – Aug 2021
Simon Fraser University — *Burnaby, Canada*

- Taught Principles of Macroeconomics (via Zoom)
- Organized and presented course materials, designed quizzes and exams to assess student performance
- Encouraged students to analyze real-world problems using economic theories with examples and exam questions
- Coordinated with teaching assistants and evaluated staff performance
- Conducted surveys to assess student understanding and satisfaction with course delivery

Teaching Assistant — Sep 2016 – Aug 2024
Simon Fraser University — *Burnaby, Canada*

- Led tutorial discussions and held problem-solving sessions for undergraduate students in Economics
- Held Economics Technical Workshops to help students with econometrics, Excel, Stata, and R

Working Papers

- "The Heterogeneous Effects of Uncertainty on Divorces", 2021
- "Did Big Pharma Influence the Adoption of COVID Vaccine Mandates?", 2023
- "Conscription: Extensive or Intensive Margin?", 2023

Awards, Certificates & Languages

- **Awards:** Graduate Fellowship (5 times), Special Entrance Graduate Scholarship, P.A Della Valle Undergraduate Award in Economics, Board of Governors Medal-Business, Ben Matthews Prize in Business Administration
- **Certificates:** SFU Big Data Fellowships–Machine Learning and Artificial Intelligence Essentials, TCPS 2: CORE-2022
- **Languages:** English (Fluent), Mandarin (Fluent)

Volunteer Experience

Policy Research Staff — Sep 2024 – Oct 2024
BC Provincial Election — *Burnaby, Canada*

- Consulted on policy development and conducted literature reviews to provide evidence-based support for various policies
- Performed door-to-door and phone interviews to assess voter preferences