

Guan Wang

CONTACT INFORMATION

Rotman School of Management
University of Toronto, 105 St. George Street,
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EDUCATION

Ph.D. Candidate in Operations Management and Statistics 2022-present
University of Toronto, Canada

M.Sc. in Biostatistics 2022
University of Toronto, Canada

Honors B.Sc. with Distinction 2019
Statistics and Actuarial Science
Mathematical Applications in Economics and Finance
University of Toronto, Canada

PUBLICATIONS AND WORKING PAPERS

- [1] Hansheng Jiang, **Guan Wang**, Jingwei Zhang, Calvin Brown. From Vacant to Vibrant: Optimizing Retail Mix with Mobility Data. *Working in Progress*
- [2] Micheal Albert, Max Biggs, Ningyuan Chen, **Guan Wang**. Post-Estimation Adjustments in Data-Driven Decision-Making with Applications in Pricing. *submitted to Management Science* <https://arxiv.org/abs/2507.20501>.
- [3] Ningyuan Chen, Setareh Farajollahzadeh, **Guan Wang**. Learning Consumer Preferences from Bundle Sales Data. *R&R Manufacturing & Service Operations Management* <https://arxiv.org/abs/2209.04942>.
- [4] Victor M Tang, Dengdeng Yu, Cory R Weissman, Brett DM Jones, **Guan Wang**, Daniel M Blumberger, Zafiris J Daskalakis, Bernard Le Foll, Daphne Voineskos1 (2021). Treatment Outcomes in Major Depressive Disorder Patients with Comorbid Alcohol Use Disorder: A STAR*D Analysis. *Journal of Affective Disorders* 339 (2023): 691-697. <https://doi.org/10.1016/j.jad.2023.07.049>.
- [5] Julie Bilocq-Lacoste, Grey Kuling, Anne Martel, Pascal N. Tyrrell, Siying Li, **Guan Wang**, Belinda Curpen (2021). Missed Breast Cancers on MRI in High-risk Patients: a Retrospective Case-control Study. *Tomography* 2022, 8, 329–340. <https://doi.org/10.3390/tomography8010027>.
- [6] Richard J. Zeifman, Dengdeng Yu, Nikhita Singhal, **Guan Wang**, Sandeep M. Nayak, Cory R. Weissman. Decreases in Suicidality Following Psychedelic Therapy: A Meta-Analysis of Individual Patient Data Across Clinical Trials. *The Journal of Clinical Psychiatry*, 83(2). <https://doi.org/10.4088/JCP.21r14057>
- [7] Paula Alcaide Leon, Sapna Rawal, Timo Krings, **Guan Wang**, Jiachen Zhu, Robert van Tuijl, Ida Anderman, Carlos Schorlemmer. Gender Differences in Diagnostic Radiology Practice: Observational Study. *Journal of the American College of Radiology*, 19(1), 90–96. <https://doi.org/10.1016/j.jacr.2021.09.034>
- [8] Blair Warren, Graham Roche-Nagle, Jiachen Zhu, **Guan Wang**, Dheeraj Rajan, Sebastian Mafeld. Community Response to Mortality Data in Paclitaxel Devices for Peripheral Vascular Disease. *Journal of Vascular Surgery*, 74(6). <https://doi.org/10.1016/j.jvs.2021.05.058>.

AWARDS/GRANTS	TD Management and Data Analytics Lab(MDAL) Grant Management Analytics Research Cluster Funding 3rd Prize Ninth Annual Canadian Statistics Student Conference (CSSC) Master's Graduate Oral Presentation Awards	Apr 2025 Apr 2024 June 2021
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CONFERENCES PRESENTATIONS	<ol style="list-style-type: none"> 1. <i>Post-Estimation Adjustments in Data-Driven Decision-Making with Applications in Pricing.</i> <ul style="list-style-type: none"> • INFORMS Annual Meeting, Atalanta, GA, 2025 • INFORMS RMP Section Conference, New York, NY 2025 2. <i>Regularized Predict-then-Optimize for Pricing with Unknown Demand Functions.</i> <ul style="list-style-type: none"> • INFORMS Annual Meeting, Seattle, WA 2025 • INFORMS MSOM Conference, Minneapolis, MN 2024 3. <i>Two-phase Study Design using Polygenic Risk Score to Estimate Regional Associations</i> <ul style="list-style-type: none"> • Statistical Society of Canada Annual Meeting (Virtual) 2022 • Ninth Annual Canadian Statistics Student Conference (Virtual) 2021
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RESEARCH/ TEACHING EXPERIENCES	<p>Teaching Assistant 2020-2025 University of Toronto, Canada.</p> <ul style="list-style-type: none"> • MBA & Master of Management Analytics (MMA) Courses <ul style="list-style-type: none"> RSM 8431: Analytics Colloquium RSM 8413: Machine Learning Analytics RSM 8414: Tools for Probabilistic Models and Prescriptive Analytics RSM 2408: Modelling and Optimization for Decision Making • Statistic & Biostatistics Courses <ul style="list-style-type: none"> STA 302: Method of Data Analysis STA 305: Design and Analysis of Experiments STA B52: Introduction to Probability STA B23: Introduction to Statistics for the Social Sciences STA C53: Applied Data Collection CHL 5526: Mathematical Foundations of Biostatistics <p>Research Assistant 2020-2021 Lunenfeld-Tanenbaum Research Institute (LTRT), Mount Sinai Hospital, Canada.</p> <p>Student Biostatistician 2020-2021 Medical Imaging Department, University of Toronto, Canada.</p>
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TECHNICAL SKILLS	<p>Programming Languages</p> <p>Python, R, SAS, STATA</p>
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