Guan Wang

CONTACT INFORMATION		
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EDUCATION

Ph.D. Student in Operations Management and Statistics   2022-present
Supervisor: Ningyuan Chen
University of Toronto, Canada

M.Sc. in Biostatistics   2019-2022
University of Toronto, Canada

Honors B.Sc. in Statistics (Distinction)   2014-2019
University of Toronto, Canada

PUBLICATIONS AND WORKING PAPERS

[1] Ningyuan Chen, Setareh Farajollahzadeh, **Guan Wang** (2021). Learning Consumer Preferences from Bundle Sales Data. *Submitted to Manufacturing & Service Operations Management* https://arxiv.org/abs/2209.04942.

[2] 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. *Accepted at Journal of Affective Disorders* https://doi.org/10.1016/j.jad.2023.07.049.

[3] 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.

[4] Richard J. Zeifman, Dengdeng Yu, Nikhita Singhal, **Guan Wang**, Sandeep M. Nayak, Cory R. Weissman (2021). 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

[5] Paula Alcaide Leon, Sapna Rawal, Timo Krings, **Guan Wang**, Jianchen Zhu, Robert van Tuijl, Ida Anderman, Carlos Schorlemmer (2020). 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

[6] Blair Warren, Graham Roche-Nagle, Jiachen Zhu, **Guan Wang**, Dheeraj Rajan, Sebastian Mafeld (2020). 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

Director's Fellowship   March, 2022
3rd Prize Ninth Annual Canadian Statistics Student Conference (CSSC) Master's Graduate Oral Presentation Awards   June, 2021

TALKS

- *Two-phase Study Design using Polygenic Risk Score to Estimate Regional Associations.* Statistical Society of Canada Annual Meeting, Ottawa. *Virtual Presentation.* June 2022

- *Two-phase Study Design using Polygenic Risk Score to Estimate Regional Associations.* 2021 Ninth Annual Canadian Statistics Student Conference (CSSC), Ottawa. *Virtual Presentation.* June 2021
- *Two-phase Study Design and Analysis of Quantitative Traits for Multi-region Targeted Genetic Sequencing.*Biostatistics Research Day, University of Toronto, Toronto, *Virtual Poster Presentation.* June 2020
- *Dealing with Non-inferiority and Bioequivalence in Mi Research.* MiDATA Program, Department of Medical Imaging, University of Toronto, Toronto, *Virtual Presentation.* June 2020

RESEARCH/ TEACHING EXPERIENCES	**Research Assistant** 2020-2021 Lunenfeld-Tanenbaum Research Institute (LTRT), Mount Sinai Hospital, Canada.

Research Assistant 2020-2021
Lunenfeld-Tanenbaum Research Institute (LTRT), Mount Sinai Hospital, Canada.

Teaching Assistant 2020-2023
University of Toronto, Canada.

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
RSM 8431: Analytics Colloquium
RSM 8413: Machine Learning Analytics
MSC 1107: Biostatistics in a Nutshell

Student Biostatistician 2020-2021
Medical Imaging Department, University of Toronto, Canada.

TECHNICAL
SKILLS

Programming Languages

Python, R, SAS, STATA

Operating Systems

Linux, Windows