Yuanyuan Wang

yuanyuanw2@student.unimelb.edu.au

(+61) 416169035

Biography

I am a PhD student at the School of Mathematics and Statistics, the University of Melbourne, supervised by Dr. Mingming Gong and co-supervised by Dr. Wei Huang, Dr. Xi Geng and Dr. Biwei Huang. My research mainly focuses on causal reasoning for dynamic models described by Ordinary/Stochastic Differential Equations.

Education Background

- **Ph.D. student** - **School of Mathematics and Statistics**   2021.08 – Ongoing
  The University of Melbourne, Melbourne, Australia

- **Master and Graduate Diploma in Data Science**   2019.02 - 2021.07
  The University of Melbourne, Melbourne, Australia.

- **Master of Engineering (Software Engineering - Internet Marketing)**   2012.09 - 2015.01
  Beihang University, Beijing, China.

- **Bachelor of Science (Mathematics and Applied Mathematics)**   2008.09 - 2012.06
  Shandong Normal University, Shandong, China.

Publications

- Generator Identification for Linear SDEs with Additive and Multiplicative Noise
  Y. Wang, X. Geng, W. Huang, B. Huang, M. Gong
  Neural Information Processing Systems (NeurIPS 2023)

- Identifiability and Asymptotics in Learning Homogeneous Linear ODE Systems from Discrete Observations
  Y. Wang, W. Huang, M. Gong, X. Geng, T. Liu, K. Zhang, D. Tao
  Under review

Honors and Awards

- Research Training Program Scholarship, the University of Melbourne, 2021-2025
- Dean's Honours List – Faculty of Science, the University of Melbourne, 2021

Academic Service

- Conference and Journal Reviewer: NeurIPS, AISTATS, IEEE TNNLS, ECAI, ACML, JVCI, TKDD etc.

Tutoring Role

- MAST90072 - Data and Decision Making, the University of Melbourne

Work Experiences and Internships

- **Baidu, Beijing, China**   2015.12 - 2017.09
  Data Analyst - *Awarded 'The Star of the Quarter' for outstanding performance in Baidu.*
  - Analysing user data and transaction data for Baidu's online shopping department;
  - Acquiring data from primary and secondary data resources and maintaining the database;
  - Identifying and interpreting trends or patterns in complex data sets, and generating data analysis reports;
  - Analysing and comparing data through "A/B testing" to optimise promotional strategies.

- **XCAR, Beijing, China**   2015.06 - 2015.12
  Junior Product Manager

- Designing website prototype, generating process/user flows and PRDs (product requirement documents);
- Liaising with UI/UX designers, Web Developers, and QA Testers to promote projects;
- Successfully delivered a UGC (user generate content) project within the timeframe.

- **Baidu, Beijing, China**   2014.08 - 2015.04
  Product Assistant Intern - *Awarded 'The Best Intern' in Baidu.*
    - Utilising data analysis and internet marketing skills to attract users to our website;
    - Successfully increased the number of daily UV (unique visitors) of our website from less than 100,000 to more than 500,000.

- **Microsoft MSN, Beijing, China**   2013.05 - 2013.10
  Product Assistant Intern
    - Optimizing clients' SEM accounts by data analysis and giving them data-driven suggestions to improve their SEM accounts performance at cn.bing.com;
    - Educating and keeping clients in the loop on Microsoft Bing Search Engine's strategies and tactics.