

LANGTIAN MA

Email: langtianma.e@gmail.com

EDUCATION

University of Wisconsin - Madison

August 2024 - Present

Ph.D in Department of Statistics

Southern University of Science and Technology

August 2020 - June 2024

B.S in Statistics (Elite Program of Department of Statistics and Data Science)

GPA: 3.84/4.0 (Ranking: 2/38)

University of Toronto

September 2023 - December 2023

Exchange student at Faculty of Arts and Science.

GPA: 4.0/4.0

PUBLICATIONS AND PREPRINTS

Tianle Zhang, Langtia Ma et al. [Rethinking Human Evaluation Protocol for Text-to-Video Models: Enhancing Reliability, Reproducibility, and Practicality](#), accepted by *NeurIPS 2024*.

Yirui Huang, Langtian Ma (contributed equally) et al. [“Quantifying the hierarchical scales of scientific mobility”](#), accepted by *International Conference on Computational Social Science*.

RESEARCH EXPERIENCE

Research on Causal Inference in Machine Learning

University of Toronto

Advisor: Prof. Linbo Wang

September 2023 - December 2023

- Used structural equation model to address the distribution shift problem in machine learning.
- Tried to develop a method to learn a structural causal model utilizing the heterogeneity of the data.
- Tried to develop a method that is robust under user-specific interventions.

Research on Network Clustering

Southern University of Science and Technology

Advisor: Prof. Yuting Ye

March 2023 - June 2023

- Tried to reveal the underlying properties of the central nodes given by spectral clustering on a network.
- Tried to find some representative nodes in a network to develop an anchor-based method to cluster nodes on a network.
- Experimented with a number of metrics on networks to explore the properties of the central nodes.

Research on Mobility of Scientists

Southern University of Science and Technology

Advisor: Prof. Yifang Ma

July 2022 - December 2022

- Extracted researchers' mobility among top academic institutions from the [OpenAlex](#) database.
- Used the “container model” from [Alessandretti et al.\(2020\)](#) to formulate researchers' mobility.
- Analyzed the attractiveness of different cities and countries to researchers for their career choices.

AWARDS

Top 10 graduates of School of Science, SUSTech.	2024
Honorable Mention, Mathematical Contest in Modeling.	2023
Outstanding Academic Performances in Oxford Summer School.	2022
Second Class Scholarship of SUSTech.	2021

SKILLS

Code:Python (Practised) R (Practised) Java (Mid-level) **Editor:** LaTeX (Practised) TeXmacs (Practised)

LANGUAGE

English: Fluent, TOEFL 106 (R28, L29, S24, W25) **Chinese:** Native

EXTRA-CURRICULAR ACTIVITIES

Photography Modernism Literature Analytic Philosophy Video Editing