

Rui Nie

Ph.D. Candidate at University of Michigan, Ann Arbor, MI, USA
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RESEARCH INTERESTS

Analysis of wearable device data; functional data analysis and representation learning; statistical learning and deep neural network methods; measurement error modeling and inference.

EDUCATION

University of Michigan, Ann Arbor, MI, USA Aug 2023 —
Ph.D. in Biostatistics
University of Michigan, Ann Arbor, MI, USA Aug 2020 — Apr 2023
Bachelor of Science in Honors Mathematics and Honors Statistics

PUBLICATIONS AND THESIS

- Zhang, L., Purkayastha, S., Lev-Tov, H., **Nie, R.**, Kirsner, R., Spino, C., & Song, P. X. (2025). *Determinants of enrolment rate in 397 clinical trials for healing diabetic foot ulcers: a systematic review*. *BMJ open*, 15(7), e095512.
- Wang, P., Feng, H., Du, X., **Nie, R.**, Lin, Y., Ma, C., & Zhang, L. (2023). *EEG-Based Evaluation of Aesthetic Experience Using BiLSTM Network*. *International Journal of Human-Computer Interaction*, 1-14.
- **Nie, R.** & Tewari, A. (2023). *Exploring machine olfaction* [Unpublished bachelor's honors thesis]. University of Michigan.

AWARDS AND HONORS

Outstanding Achievement in Mathematics Award, University of Michigan Apr, 2023
Outstanding Undergraduate Major Award by Statistics Department, University of Michigan Apr, 2023
Keeler Merit Scholarship by Mathematics Department, University of Michigan June, 2022

PRESENTATIONS

Poster Presenter - Joint Statistical Meetings 2025 for *Contributed Session: Nonparametric Statistics*. Aug 2025

TEACHING & INSTRUCTION

Student Instructor - Big Data Summer Institute 2024, University of Michigan July 2024

ACADEMIC SERVICE

Research Volunteer - OLSHA STATCOM project, University of Michigan 2023-2024
Curriculum Committee Member - Biostatistics Department, University of Michigan 2023-2024
DEI School-wide Student Representative - Biostatistics Department, University of Michigan 2023-2024
Leadership Board Member - Michigan Institute for Data Science (MIDAS) 2022-2023
Grader - Math 525, University of Michigan Fall 2021

VOLUNTEER EXPERIENCE

Student Volunteer - U-M Annual Data Science & AI Summit 2023 Nov 2023