Faculty Name:

Kaizheng Wang

Faculty Email:

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Lab:

Wang Lab

Project Title:

Statistical learning in a changing environment: adaptation to non-stationarity

Description:

This project aims to develop methods for statistical learning in an evolving environment with unknown dynamics. The student and the mentor will (1) develop flexible inferential tools for adapting to temporal distribution shifts; (2) collect and clean real-world data to test the proposed methods; (3) conduct a mathematical analysis to establish theoretical guarantees; (4) write a paper to summarize the results. The student needs to (1) have past experience demonstrating independent research capabilities; (2) have taken advanced courses and conducted research on statistics, machine learning, optimization and real analysis; (3) be proficient in Python and LaTeX.

Location of Research:

Hybrid (both Remote and On Site)

# of hrs/week:

20

Department/Program:

Industrial Engineering & Operations Research

Eligibility:

BS, Third Year, BS, Fourth Year

To apply, please contact:

Kaizheng Wang

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