Xiaohan Wang

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EDUCATION

Cornell University   Ithaca, New York

Ph.D. in Statistics   August 2021 – Present

Selected coursework: Mathematical Statistics II (Graduate Level, A).

Cornell University   Ithaca, New York

B.S. in Biometry and Statistics, Magna Cum Laude   May 2021

Selected coursework: Real Analysis (Graduate Level, A), Probability Theory I (Graduate Level, A), II (A+), Mathematical Statistics I (Graduate Level, A), Statistical Principles (Graduate Level, A), Theory of Linear Model (Graduate Level, A), Generalized Linear Models (Graduate level, A).

RESEARCH PROJECTS

Distributed System of Causality Effects Inference

Advisor: Dr. Yang Ning, Cornell University   (August 2021 – Present)

• Developed a novel inference algorithm to effectively conduct causal inference under distributed setting.
• Justified the asymptotic performance of the proposed algorithm rigorously.

Implementation of Graphical Model on Turbulence

Advisor: Dr. Qi Li, Cornell University   (January 2020 – August 2021)

• Utilized R to fit wind speed data in Gaussian Graphical Model to estimate the underlying correlation of scalars of turbulence.
• Implement the idea of Graphical Model with correlated replicates in Julia and performed data analysis on datasets sized more than 500GB.

TEACHING EXPERIENCE

Teaching Assistant, Department of Statistics and Data Science (Cornell University)

STSCI 3080 Probability Models and Inference   August 2021- Present

SKILLS

Programming

Proficient in: R, Python, Julia, SQL **Familiar with**: MATLAB, Java

Tools and Software

LaTeX, Git