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YI LIU

Email: y1724@duke.edu

Technical Skills: R, SAS, \LaTeX , SQL

Department of Biostatistics and Bioinformatics

Duke University School of Medicine, Durham NC 27705

EDUCATION

Master of Biostatistics, Duke University, U.S.

May 2022

- Thesis: *Overlap, Inverse Probability, and Matching Weights: What Are We Weighting For?*
Advisor: Dr. Roland Matsouaka
- Courses: Applied Empirical Processes, Missing Data Analysis, Advanced Inferential Techniques & Theory, Statistical Inference, Survival Analysis, Analysis of Longitudinal Data, Phase II Clinical Trials, Biostatistics Core Sequence (Theory I&II, Application I&II, Practices I&II), R, SAS

B.S., Mathematics and Applied Mathematics, Southeast University, China

June 2020

PUBLICATION

1. Matsouaka RA, **Liu Y**, and Zhou Y. Overlap weights: what are we weighting for? In progress: *Statistics in Medicine*.
2. Matsouaka RA, **Liu Y**, and Zhou Y. Variance estimation for the average treatment effects on the treated and on the controls. Submitted: *Statistical Methods in Medical Research*.