

# YI LIU

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**Technical Skills:** R, SAS,  $\text{\LaTeX}$ , SQL

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## 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*
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*

**January, 2022**