

Facheng Yu

Contact	Mobile: (206) 677-6512 Email: fachengyu@uw.edu Website: https://fachengyu.github.io/
Education	<div><div>University of Washington - Seattle, USASep. 2023 - Present M.S. in Statistics; GPA 4.0 Coursework: Statistical Inference, Statistical Learning, Advanced Probability, Special Topic in Advanced Biostatistics</div><div>Wuhan University - Wuhan, ChinaSep. 2019 - Jun. 2023 B.S. in Mathematics; GPA 3.84 Thesis: Concentration Inequalities with Applications Coursework: Stochastic Process, Probability, Real Analysis, Functional Analysis, Mathematical Analysis, Differential Equations, Advanced Algebra</div></div>
Preprint	Data integration using covariate summaries from external sources. Facheng Yu , Yuqian Zhang. Available at arXiv:2411.15691 .
Research Experience	<div><div>Graduate Research AssistantJun. 2024 - Present University of Washington - Seattle, USA Advisor: Zaid Harchaoui, Alex Luedtke</div><div>Undergraduate Research AssistantApr. 2023 - Present Renmin University of China - Beijing, China Advisor: Yuqian Zhang Project: Data Integration Using Covariate Summaries from External Sources</div><div>Undergraduate Research AssistantApr. 2021 - Oct. 2022 Wuhan University - Wuhan, China Advisor: Weixing Zhang, Yidong Lou Project: Research on Improved GNSS-PWV Three Factor Threshold Rainfall Forecasting Method <i>Accepted by Geomatics and Information Science of Wuhan University</i></div></div>
Activities	<div><div>Genome Sciences HackathonSep. 2023 Noble Lab, University of Washington - Seattle, USA Advisor: Gang Li, William Stafford Noble Project: Matching Cells between Single-Cell Hi-C and Single-Cell RNA-Sequencing Datasets</div><div>Online Reading GroupAug. - Dec. 2022 University of North Carolina at Chapel Hill - Chapel Hill, USA Advisor: Guanting Chen Project: Blackwell's Approachability and Online Learning</div></div>

	Online Summer School Jul. - Aug. 2021 University of Cambridge - Cambridge, UK Advisor: Pietro Liò Project: Video Summarization with Flexible Multi-Agent Reinforcement Learning
	Online Winter School Jan. - Feb. 2021 University of Cambridge - Cambridge, UK Instructor: Guillaume Hennequin Course: Balanced Network Models of Cortical Circuits
	Online Summer School Jun. - Aug. 2020 Yau Mathematical Sciences Center, Tsinghua University - Beijing, China Instructor: Xiaoming Zhang Course: Examples and Exercises of Big Data Analysis
Talk	Data integration using covariate summaries from external sources <ul style="list-style-type: none"> • UW Causal Reading Group, Dec. 2024.
Teaching	Teaching Assistant - University of Washington <ul style="list-style-type: none"> • STAT 499: Undergraduate Research, Winter 2024.
Services	Volunteer for American Causal Inference Conference, May 2024. Grader of STAT 396: Finite Markov Chains and Monte-Carlo Methods, Spring 2024. Mentor of American Statistical Association DataFest, Mar. 2024.
Awards	Third Prize in Asia and Pacific Mathematical Contest in Modeling, 2022. Third Prize in the Chinese Mathematics Competition, 2020, 2021. Excellent Student Scholarship, Wuhan University, 2020, 2021, 2022.
Skills	Programming: R, Python, C++ Language: English (fluent), Chinese (native)