$Yidan \ Xu \ ({\rm she/her})$

Contact information	Department of Statistics 436 West Hall University of Michigan Ann Arbor, Michigan, MI 48109	Webpage: https://edenx.github.io Email: yidanxu@umich.edu Language: English, Mandarin		
Research interests	 Optimal Transport Causal Inference Generative Models Bayesian Nonparametrics			
Education	University of Michigan, Ann Arbor, Ph.D. Candidate, Statistics Advisors: * Xuanlong Nguyen * Yixin Wang	USA	09/2021-Present.	
	University of Washington , Seattle, U <i>M.S.</i> , <i>Statistics</i> Graduation commencement speaker, rep		09/2019 - 06/2021 9 MS graduates.	
	Imperial College London , London, U B.Sc., Mathematics with Statistics Dean's List 2019, top 5% of 200 students		09/2016 - 06/2019	
PUBLICATION	(† co-first author)			
ACCEPTED	Semenova, E. [†] , Xu , Y . [†] , Howes, A., Rashid, T., Bhatt, S., Mishra, S., & Flat S. (2022). PriorVAE: encoding spatial priors with variational autoencoders for area estimation. Journal of the Royal Society Interface, 19(191), 20220094.			
	Zhu, Q. [†] , Yang, C. [†] , Xu, Y. , Wang, H., Zhang, C.,& Han, J. (2021). Transfer ing of graph neural networks with ego-graph information maximization. Advar Neural Information Processing Systems.			
IN PROGRESS	GRESS Xu , Y . [†] , Wang, Y. & Nguyen, X. Stable causal inference with optimal transport			
	${\bf Xu,Y.^{\dagger},Wang,Y.}$ & Nguyen, X. Partial identification of causal effect in probability spaces.			
	${\bf Xu, Y.^{\dagger}, Wang, Y.}$ & Nguyen, X. A distributional approach to mixture model estimation.			
	$\mathbf{Xu}, \mathbf{Y.}^{\dagger}, $ Wang, Y. & Nguyen, X. Flow r graphical models.	matching for efficient inf	erence in structured	
TEACHING				
LAB INSTRUCTOR	STATS/DATASCI 451: Bayesian Data A	Analysis	2024 Fall, UM	
	- Undergraduate level Bayesian inference with Stan.	ce, principles and practi	ce for data analysis	

	STATS 415: Data Mining - Introductory level statistical modelling aimed for data analysis	2023 Fall, UM s.		
	STATS 551: Topics in Bayesian modeling and computation - Graduate level Bayesian modeling and computation with modeling	2022 Fall, UM ern techniques.		
	STATS 250: Introduction to Statistics and Data Analysis - Introductory statistics course for non-statistics major undergra	2022 Winter, UM aduate students.		
Awards	Mary Lister McCammon Research Fellowship - Awarded to 14 female undergraduate students in Mathematics a UK.	2019 Summer, ICL and Statistics across		
	BP Undergraduate Research Opportunities Project AwardsAwarded to students undertaking UROP project at Imperial department.	2018 Summer, ICL College, 1 in every		
SERVICE	 Chair of Student Seminar Council 2023 Winter, UM Coordinated with faculty members and Ph.D students to participate in the student seminar series. 			
	- Organized and mediated 'How to choose your advisors panel'.			
	- Hosted weekly student seminar on faculty research presentations.			
	Reviewer AISTATS 2024			
Computing skills	Programming Language Python, R, MATLAB			
	Tool & Framework JAX, NumPyro, Stan, INLA, Pytorch, TensorFlow			