Wei Zhang

Contact Information	-	ffice: Wyman Park Building 595 -mail: wei.katie.zhang@gmail.com
Research Interests	Large Bayesian VARs, stochastic volatility models, dynamic factor models, variational inference, tree-based models.	
Education	Purdue University , West Lafayette, IN USA PhD, Economics, August 2025 Thesis: Flexible Bayesian Time-Series Models in a Data-Rich Environment	
	Humboldt University of Berlin, Berlin, Germany M.S., Econometrics, August 2017	
	University of International Business and Economics (UIBE), Beijing, China Master of Economics, International Trade, June 2017	
	Zhongnan University of Economi B.A., June 2014	cs and Law (ZUEL), Wuhan, China
Honors and Awards	Purdue University : Doctoral Student Research Fund, 2024; Summer Research Grant 2022, 2024; Federick N. Andrews Fellowship, 2019, 2020	
	UIBE : Graduate Student Scholarship	o, 2014-2016;
	ZUEL : Excellent Graduate of Class 2	2014; National Scholarship, 2013.
Working Papers	"Bayesian Dynamic Factor Model for	High-dimensional Matrix-valued Time Series" (under review)
	"Measuring Inflation Risk Using Matri (with Joshua C. C. Chan and Marta I	ix Dynamic Factors: A Granular Approach for the Euro Area" Bańbura)
	"Bayesian Model Comparison for Larg C. C. Chan and Xuewen Yu, Journa l	e Bayesian VARs after the COVID-19 Pandemic" (with Joshua l of Econometrics, <i>forthcoming</i>)
	"Asymmetric Dynamic Factor Model"	(with Joshua C. C. Chan)
ACADEMIC	Purdue University, West Lafayette	, Indiana USA
Experience	Teaching assistant	August 2019-present
	• Providing students with a deep u predictive modeling.	nderstanding of regression techniques, causal inference, and
	cash flow models, portfolio optimiz	nancial valuation and investment analysis, covering discounted vation and asset pricing theory.

• Emphasized both mechanical and intuitive understanding of statistical methods to prepare students to apply models to real-world problems and critique empirical strategies.

- Undergraduate
 - Econ 210 Principals of Economics (Spring 2020)
 - Econ 251 Microeconomics (Fall 2019)
 - Econ 340 Intermediate Microeconomics (Fall 2020)
- $\bullet \ Masters$
 - Econ 572 Econometrics (Summer 2023)
 - Econ 576 Statistical and Machine Learning (Fall 2024)
 - Econ 590 (MY1) Financial Valuation (Fall 2021)
 - Econ 590 (MY3) Investments (Fall 2021, Fall 2022)
- *Ph.D.*
 - Econ 606 Microeconomics I (Fall 2020)
 - Econ 671 Economics (Fall 2023)
 - Econ 674 Econometrics (Spring 2022, Spring 2023, Fall 2024)
 - Econ 693 Bayesian Econometrics I (Fall 2023, Fall 2024)

Research Assistant

August 2019 -present

- Conducted comprehensive literature reviews to support research in behavioral economics, industrial organization, labor economics, and macroeconomics.
- Collected, cleaned, and managed high-dimensional datasets from diverse sources, ensuring accuracy and consistency across variables and time periods.
- Performed econometric analysis using to identify empirical relationships and generate insights for academic and policy-oriented research.

Conference, Seminars and	SEA 94th Annual Meeting, Graduate Student Award, November, 2024.		
Workshops	NABE Tech Economics Conference & Industry Job Fair, October, 2024.		
	European Central Bank, DG-E Internal Seminar, August, 2024.		
	Purdue University, Department of Economics, Economics Workshop, 2022, 2021		
Refereeing	Journal of Business & Economic Statistics, Journal of Forecasting, Journal of Quantitative Economics		
PROFESSIONAL	European Central Bank, Frankfurt am Main, Germany		
Experience	Summer TraineeJuly 2024-August 2024Collaborated with leading economists on the project "Inflationary Pressure Tracking in Euro Area".Presented the paper "Bayesian Dynamic Factor Model for High-dimensional Matrix-valued TimeSeries" with its application to an inflation panel in Euro area in the internal seminar. Refined themodel to address missing data challenges and enhance inflation forecasting accuracy.		
Skills	• Statistical Softwares: R. MATLAB, Python		

• Languages: Chinese (native), English (fluent), Japanese (beginner), German (basic)