

CONTACT INFORMATION	Email: zhang.boyuan@hotmail.com	Personal webpage: boyuan-zhang.github.io
RESEARCH FIELDS	Econometrics, Machine Learning, Applied Macroeconomics, Climate Econometrics	
CURRENT POSITION	Amazon.com, Inc. Postdoctoral Scientist	Bellevue, WA 2023 - Present
EDUCATION	University of Pennsylvania Ph.D. in Economics	Philadelphia, PA 2017 - 2023
	University of Illinois at Urbana-Champaign M.S. in Statistics	Champaign, IL 2014 - 2016
	Renmin University of China B.S. in Physics (Graduation with Honors)	Beijing, China 2010 - 2014
PUBLICATIONS	<ol style="list-style-type: none"> 1. "On the Aggregation of Probability Assessments: Regularized Mixtures of Predictive Densities for Eurozone Inflation and Real Interest Rates," <i>Journal of Econometrics</i>, forthcoming. With F. X. Diebold and M. Shin. 2. "When Will Arctic Sea Ice Disappear? Projections of Area, Extent, Thickness, and Volume," <i>Journal of Econometrics</i>, 236, 105479, 2023. With F. X. Diebold, P. Goulet Coulombe, M. Göbel, and G. Rudebusch. 3. "Optimal Combination of Arctic Sea Ice Extent Measures: A Dynamic Factor Modeling Approach," <i>International Journal of Forecasting</i>, 37, 1509-1519, 2021. With F. X. Diebold, P. Goulet Coulombe, M. Göbel, and G. Rudebusch. 4. "Measuring International Uncertainty: the Case of Korea," <i>Economics Letters</i>, 162, 22-26, 2018. With M. Shin, M. Zhong, and D. Lee. 	
WORKING PAPERS	<ol style="list-style-type: none"> 5. "Incorporating Prior Knowledge of Latent Group Structure in Panel Data Models." Working paper at arXiv:2211.16714. 6. "Bayesian Estimation of Sparsely Heterogeneous Panel Models," with H. R. Moon and F. Schorfheide. Working paper at arXiv:2310.13785. R&R, Journal of Applied Econometrics. 	
WORK IN PROGRESS	<ol style="list-style-type: none"> 7. "Estimate Nonlinear VARs using Neural Network Models," with P. Goulet Coulombe. 8. "Early Warning Indicator of Banking Crises via Factor-Augmented VAR Models." 	
PROFESSIONAL ACTIVITIES	Referee: <i>Journal of Econometrics</i> , <i>Journal of Applied Econometrics</i> , <i>International Journal of Forecasting</i> , <i>Econometric Reviews</i> , <i>Journal of the Royal Statistical Society: Series C</i> , <i>Economics and Business Letters</i>	
CONFERENCE & SEMINAR PRESENTATIONS	<p>2024: ISBA World Meeting (Scheduled)</p> <p>2023: Rutgers University–New Brunswick, SEA Annual Meeting</p> <p>2022: Young Scholars Conference on Machine Learning in Economics and Finance (Philadelphia Fed), NBER-NSF SBIES Conference (WUSTL), ES North American Summer Meeting, ES Asian Meeting, ES Australasia Meeting, IAAE Annual Conference, International Symposium of Forecasting, ASSA Annual Meeting (IAAE Invited Session)</p> <p>2021: Annual SoFiE Conference, IAAE Annual Conference, CEA Conference</p> <p>2019: 25th International Conference on Computing in Economics and Finance</p>	

TEACHING EXPERIENCE	University of Pennsylvania Recitation Instructor Econ 002: Introductory Macroeconomics	Fall 2018, Spring 2019
FELLOWSHIPS, AWARDS, AND GRANDS	University Fellowship, University of Pennsylvania Outstanding Graduate, Renmin University of China China National Scholarship, Renmin University of China	2017–2018 2014 2013
PROFESSIONAL EXPERIENCE	Economist Intern Amazon.com, Inc., Seattle, WA	May 2021 - Aug 2021
	Data Analyst Intern Anheuser-Busch InBev, Inc., Champaign, IL	May 2015 - Feb 2016
COMPUTING SKILLS	Proficiency Python, R, Matlab, and Julia; knowledge in STATA and SAS	
PERSONAL INFORMATION	Date of Birth: April 15th, 1992 Citizenship: China (F-1 Visa) Languages: Chinese (native), English (fluent).	
REFERENCE	Francis X. Diebold (Co-advisor) Department of Economics University of Pennsylvania 133 South 36th Street, Office 607 Philadelphia, PA, 19104 Phone: 215-898-1507 E-mail: fdiebold@econ.upenn.edu	Frank Schorfheide (Co-advisor) Department of Economics University of Pennsylvania 133 South 36th Street, Office 621 Philadelphia, PA, 19104 Phone: 215-898-8486 E-mail: schorf@ssc.upenn.edu
	Xu Cheng Department of Economics University of Pennsylvania 133 South 36th Street, Office 620 Philadelphia, PA, 19104 Phone: 215-898-6775 E-mail: xucheng@econ.upenn.edu	Minchul Shin Federal Reserve Bank of Philadelphia Ten Independence Mall, Philadelphia, PA, 19106 Phone: 215-574-6079 E-mail: minchul.shin@phil.frb.org