

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	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: International Symposium of Forecasting</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