Taining Wang

Contact Information

International School of Economics and Management
Capital University of Economics and Business
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Education

West Virginia University, WV, USA

Ph.D. in Economics — 2014-2019

Ohio University, Athens, USA

Bachelor in Economics and Math — 2009-2014

Scholarships, Honors and Awards

West Virginia University

Best Doctoral Student Award	Dept. of Economics	2018
Graduate Assistantship	Dept. of Economics	2014-2019
Graduate Tuition Scholarship	Dept. of Economics	2014-2019

Ohio University

Summa Cum Laude student	College of Arts and Science	2014
Sportsman Rest-Matthews Scholarship	College of Arts and Science	2012-2013
Dean's Scholarship	Dept. of Economics	2011-2013
Phi Beta Kappa Distinguished Student	College of Arts and Science	2014

Employment History

Capital University of Economics and Business

Associated Professor — 2022 to present

Assistant Professor — 2019 to 2022

West Virginia University

Instructor — 2016 – 2018
Department of Economics, West Virginia University

Economics Tutoring — 2014 – 2016
Business and Learning Resources Center, College of Business and Economics

Graduate Teaching Assistantship — 2014 – 2019
Department of Economics, West Virginia University

Areas of Interests

Primary Research Interest: Nonparametric and semiparametric model estimation and inference, Nonparametric stochastic frontier analysis

Secondary Research Interest: International macroeconomics, Chinese Economy

Teaching: Econometrics, Statistics, Macroeconomics, Microeconomics, and Mathematical Economics

Journal Publications

1. Wang Q., Wu X., Wang T., Kumbhakar S., Luo S., 2025. A Semiparametric Bayesian Estimator of Copula Density. **Journal of Econometrics**.
2. Wang Z., Suo Y., Wang T., Kumnbhakar S. 2025. Are operationally efficient firms greener? Evidence from a semiparametric stochastic frontier model with interactive fixed effect. **Empirical Economics**.
3. Wang T., Sun K., Kumnbhakar S. 2025. A New Semiparametric Stochastic Frontier Model: Addressing Inefficiency and Model Flexibility using Panel Data. **Empirical Economics**.
4. Huang Y., Wang T., Kumnbhakar S., 2025. Spillovers on the Mean and Tails: A Semiparametric Dynamic Panel Modeling Approach. **Macroeconomics Dynamics**.
5. Tian J., Wang T., Yao F., 2024. Debt and Total Factor Productivity Growth in Chinese Industrial Firms: Evidence from Nonparametric Panel Threshold Regression. **Mathematics**.
6. Huang Y., Liao W., Wang T., 2024. Does US financial uncertainty spill over through the (asymmetric) international credit channel? The role of market expectations. **Journal of International Money and Finance**.
7. Wang T., Yao, F., Kumbhakar S., 2024. A flexible stochastic frontier model with panel data. **Journal of Applied Econometrics**.
8. Wang T., Henderson D.J., 2023. A semiparametric constant elasticity of substitution stochastic frontier model for panel data. **Advances in Econometrics: Essays in Honor of Subal Kumbhakar**.
9. Wang T., Zhang X.Q., Tian J.J., 2022. A consistent variable and model structure selection. **Econometrics and Statistics**, 2022.
10. Wang T., Henderson D.J., 2022. Estimation of a varying coefficient, fixed-effects Cobb-Douglas production function in levels. **Economic Letters**.
11. Tian J., Wang T., Hall J., 2021. The Effect of Exports on Labor Share: A Semiparametric Approach Using Chinese Manufacturing Panel Data. **The World Economy**.
12. Yao F., Wang T., 2020. A nonparametric test of significant variables in gradients. **Econometric Theory**.
13. Wang T., Tian J., Yao F., 2020. Does high leverage ratio influence Chinese firm performance? A semiparametric stochastic frontier approach with zero-inefficiency. **Empirical Economics**.
14. Wang T., Tian J., 2018. Recasting the trade impact on labor share: A fixed effect semiparametric estimation study, **Empirical Economics**.
15. Yao F., Wang T., Tian J., Kumbhakar S., 2018. Estimation of a smooth coefficient zero-inefficiency panel stochastic frontier model: a semiparametric approach. **Economic Letters**.

Book Review

1. Eric A. Hanushek and Ldger Woessmann. 2015. *The Knowledge Capital of Nations: Education and the Economics of Growth*. MIT Press: Cambridge, MA, USA. *The Review of Regional Studies*, 2015, 45: 285-293.

Journal Submissions

1. "Operational Efficiency and Stock Performance: New Evidence from a Semiparametric Panel Model" (with Zhao Wang, Feng Yao, Subal Kumbhakar).
2. "Recasting Investment Efficiency in China: A Semiparametric Stochastic Efficient Investment Model with Panel Data" (with Zhao Wang, Feng Yao, Subal. Kumbhakar), R&R at *Journal of Royal Statistical Society: Series A*.
3. "Understanding Real Estate Matches through a Semiparametric Panel Matching Model" (with Feng Yao, Nowak Adam).

Papers in Progress

1. "Estimating distribution-free semiparametric stochastic frontier with panel data and endogeneity" (with Subal Kumbhakar).
2. "A new class estimator for nonparametric SUR model with different smoothing variables: Application in productivity analysis" (with Feng Yao, Subal Kumbhakar).
3. "Estimation of partially linear varying trending coefficient Model with mixed panel data and cross sectional dependence" (with D.J. Henderson and A. Soboron).
4. "US monetary uncertainty and credit growth: Evidence from a semiparametric skewed panel model (with Yu-Fan Huang).
5. "A smooth coefficient fixed effect model based on local within transformation: Estimation and Inference" (with Feng Yao, Jun Cai).
6. "A fixed effect stochastic frontier model with semiparametric frontier and error distribution" (with Feng Yao).
7. "Is Tobin's Q nonlinear? Evidence from a smooth coefficient model with fixed effects and measurement error" (with Zhao Wang, Yuanlu Suo).
8. "Semiparametric varying coefficient model with selection bias and fixed effects" (with Soboron A., Henderson D.J., Rodriguez-Poo).

Referee

Econometric Review, *Journal of Multivariate Analysis*, *Economic Inquiry*, *Empirical Economics*, *Journal of Productivity Analysis*, *Macroeconomic Dynamics*, *Contemporary Economic Policy*, *Economic Modeling*, *Economics Letter*, *Applied Economics Letter*, *Journal of the Aisa Pacific Economy*

Instructor with Full Responsibility

Capital University of Economics and Business	*Semester*	*Class Type*	*Capacity*
Advanced Econometrics	Fall 2025	Regular	14
Advanced Econometrics	Fall 2024	Regular	14
Advanced Econometrics	Fall 2023	Regular	9
Advanced Econometrics	Fall 2022	Regular	10
Econometrics in Frontier	Fall 2021	Regular	19
Applied Multivariate Statistics Analysis	Fall 2020	Regular	51
Advanced Econometrics	Fall 2019	Regular	17

West Virginia University	*Semester*	*Class Type*	*Capacity*
Econ 302 Intermediate Macroeconomics	Fall 2018	Regular	65
BUSA 201 The Survey of Economics	Summer II 2018	Online	65
Econ 202 Principles of Macroeconomics	Fall 2017	Regular	300
Econ 202 Principles of Macroeconomics	Summer I 2017	Online	65
Econ 202 Principles of Macroeconomics	Summer II 2017	Online	65
Econ 302 Intermediate Macroeconomics	Spring 2017	Regular	60
Econ 201 Principles of Microeconomics	Summer I 2016	Regular	30

Graduate Teaching Assistant

West Virginia University		
Econ 725 Econometrics I	Spring 2018	Doctoral
Econ 725 Econometrics I	Spring 2016	Doctoral
Econ 721 Mathematical Economics	Fall 2016	Doctoral
Econ 721 Mathematical Economics	Fall 2015	Doctoral
Econ 225 Business Statistics	Spring 2015	Undergraduate
Econ 201 Principles of Microeconomics	Fall 2014	Undergraduate

Presentations and Seminars

"The Balassa-Samuelson Effect Revisited: A Nonparametric Estimation Approach", Contributed Session, Southern Economic Association, Washington D.C., Nov, 2016

"A consistent gradient-based nonparametric test for regression structures", Contributed Session, Southern Economic Association, Tampa, Florida, Nov, 2017

"A consistent gradient-based nonparametric test for regression structures", Contributed Session, The Asian Meeting of the Econometric Society, China Meeting of the Econometric Society, The Chinese University of Hong Kong, The University of Wuhan, June, 2017.

"A consistent gradient-based nonparametric test for regression structures" Invited Session, International Conference on Econometrics and Statistics, The City University of Hong Kong, June, 2018.

"A fixed effect additive stochastic frontier model with interactions and distribution free inefficiency", Eastern Economic Association, New York City, March, 2019.

"A fixed effect additive stochastic frontier model with interactions and distribution free inefficiency", International Conference on Econometrics and Statistics, Taiwan, June, 2019.

"Debt and Total Factor Productivity Growth in Chinese Industrial Firms: Evidence from Nonparametric Panel Threshold Regression", The 5th Econometric Workshop, Dongbei University of Economics and Finance, June, 2021.

"A flexible stochastic frontier model with panel data", International Conference on Econometrics and Statistics, June, 2021.

"Recasting Investment Efficiency in China: A Semiparametric Stochastic Efficient Investment Model with Panel Data", CFE-CMStatistics, U.K, Dec, 2022.

"Nonparametric Inefficiency Estimation under Semiparametric Stochastic Frontier Panel Model", Ecostat, Tokyo, 2023.

"Understanding Real Estate Matches through a Semiparametric Panel Matching Model", Ecostat, Beijing, 2024.

"Nonparametric Inefficiency Estimation under Semiparametric Stochastic Frontier Panel Model", Seattle, 2024.

Professional Affiliations

American Economic Association, Southern Economic Association

Programming Skills

R, High Performance Computing, R markdown, GAUSS, & LaTeX

Languages

English (Proficient) & Chinese (Native)

References

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