

# TAO WANG

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## GRADUATE STUDIES

Ph.D., Economics, University of California, Riverside  
M.A., Economics, Virginia Tech, Blacksburg

*Expected completion June 2022*  
*December 2016*

## RESEARCH AREAS

Primary: Econometrics, Semi and Nonparametric Statistics, Machine Learning  
Secondary: Macroeconomics, Applied Econometrics, Big Data Analysis

## PUBLICATIONS

“Discussion of ‘Modeling the COVID-19 Infection Trajectory: A Piecewise Linear Quantile Trend Model’”, *Journal of the Royal Statistical Society Series A*, forthcoming.

“Modal Regression for Fixed Effects Panel Data” (with Ullah, A. and Yao, W.), *Empirical Economics*, 2021, 60, 261-308.

“A Machine Learning Strategy for Autism Screening in Toddlers” (with Achenie, L. E. K., Scarpa, A., Factor, R. S., Robins, D. L., and McCrickard, S.), *Journal of Development & Behavioral Pediatrics*, 2019, 40 (5), 369-376.

## WORKING PAPERS

“Endogeneity in Modal Regression” [Job Market Paper]

“Semiparametric Partially Linear Varying Coefficient Modal Regression” (with Ullah, A. and Yao, W.), *Revise and Resubmit at Journal of Econometrics*

“Nonlinear Modal Regression for Dependent Data with Application for Predicting COVID-19” (with Ullah, A. and Yao, W.), *Minor Revision at Journal of the Royal Statistical Society Series A*

## AWARDS AND HONORS

Dissertation Year Program Fellowship, UC Riverside	2021
Financial Support Grants to Young Scholars, Asian Meeting of the Econometric Society	2021
ISI World Statistics Congress Student Funding	2021
Conference Travel Grant, GSA, UC Riverside	2020-2021
Conference Travel Grant, Department of Economics, UC Riverside	2020-2021
Dean’s Distinguished Fellowship, UC Riverside	2017-2022

## CONFERENCE AND SEMINAR PRESENTATIONS

*Scheduled talks denoted with \*. All conferences in a virtual format.*

**2022:** American Economic Association Annual Meeting (Poster Session)\*

**2021:** CFE-CMStatistics\* (*Invited*), World Congress of Spatial Econometrics Association, ISI World Statistics Congress, International Association for Applied Econometrics Annual Conference,

Bernoulli-IMS World Congress in Probability and Statistics, WEAI Annual Conference, Africa Meeting of the Econometric Society, Asian Meeting of the Econometric Society, Latin American Meeting of the Econometric Society\*, Joint Statistical Meetings, Royal Statistical Society International Conference, RCEA Time Series Workshop, RCEA Money, Macro & Finance Conference, Bristol Econometric Study Group, NBER-NSF Time Series Conference (Poster Session)\*, UCR Econometrics Seminar

**2020:** Econometric Society World Congress

## TEACHING EXPERIENCE

### Instructor-UC Riverside

Graduate Mini-Statistics (*Eval: Mean 4/5 & 4.78/5, Median 4.5/5 & 5/5*) Summer 2020, 2021

Managerial Economics (*Eval: Mean 4.75/5 & 4.67/5, Median 5/5 & 5/5*) Summer 2019, 2021

Intermediate Macroeconomic Theory (*Eval: Mean 4.5/5, Median 4.5/5*) Summer 2021

### Teaching Assistant-UC Riverside

2018-Present

Econometric Methods I & II (*graduate*), Statistics for Economics, Intermediate Macroeconomics I & II, Managerial Economics, Introductory Econometrics I

### Teaching Assistant-Virginia Tech

2015-2016

Antitrust and Regulation, Econometric Methods, Principle of Microeconomics/Macroeconomics

## PROFESSIONAL SERVICES

**Conference:** Session Chair (Econometric Methods)-WEAI 96th Annual Conference

Session Chair (Rational Behavior)-11th RCEA Money-Macro-Finance Conference

Session Chair (Simultaneous Equations)-2021 Latin American Meeting of the ES

**Department:** “Technology Facilitator” and “Student Ambassador” (Summer 2020)

**Referee for:** *Journal of Quantitative Economics* ( $\times 2$ ), *Journal of Business Cycle Research*, *Australian & New Zealand Journal of Statistics*, *Statistical Methods & Applications*, *China Agricultural Economic Review* ( $\times 2$ )

## SKILLS AND PERSONAL

**Software:** Matlab, R, Python, Stata, SAS, Dynare, SQL, ArcGIS, L<sup>A</sup>T<sub>E</sub>X

**Language:** English (fluent), Mandarin (native)

## REFERENCES

Aman Ullah (Co-Supervisor)  
Distinguished Professor of Economics  
UC Riverside  
Tel: +1 (951) 827-1591  
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Weixin Yao (Co-Supervisor)  
Professor of Statistics  
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