

Yulong Wang

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Department Information

Placement Director: Mark A. Aguiar maguiar@princeton.edu (609) 258-4019
Graduate Administrator: Laura M. Hedden lhedden@princeton.edu (609) 258-4006

References

Prof. Ulrich K. Müller Department of Economics Princeton University (609) 258-4520 umueller@princeton.edu	Prof. Bo E. Honoré Department of Economics Princeton University (609) 258-4014 honore@princeton.edu	Prof. Mark W. Watson Department of Economics Princeton University (609) 258-4811 mwatson@princeton.edu
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Personal Information

Birthday: Feb. 19, 1987
Marital Status: Married
Citizenship: Chinese

Teaching and Research Fields

Econometrics, Applied Econometrics, Finance, Risk Management

Education

Sep. 2012-Jun. 2017(expected)	Ph.D., Economics, <i>Princeton University</i>
Sep. 2012-Jun. 2014	M.A., Economics, <i>Princeton University</i>
Sep. 2010-Jun. 2012	M.A., Economics, <i>University of California at Los Angeles</i>
Sep. 2006-Jun. 2010	B.A., Economics, <i>Tsinghua University, China</i>

Publications

Fixed- k Asymptotic Inference about Tail Properties. (Joint with Ulrich K. Müller.) Accepted for publication at the *Journal of the American Statistical Association*.

Job Market Paper

Inference in the Threshold Model.

Abstract: This paper studies inference about the values of the parameters in the threshold model in a generalized method of moments (GMM) framework. First, we establish that the extensively studied least squares method leads to substantially oversized tests and confidence intervals when the coefficient change is not large. Second, by re-ordering the data to recast the threshold model as a structural break problem, we construct tests that control size under a large range of empirically relevant moderate coefficient changes and are approximately efficient in a well-defined sense. Finally, we modify our approach to encompass inference problems in a variety of additional widely studied models. The accuracy of the asymptotic approximations is evaluated by Monte Carlo simulations. The empirical applicability is illustrated through two applications: (i) testing if public debt has a threshold effect on economic growth; and (ii) constructing a confidence interval for the tipping point in the segregation problem studied by Card, Mas, and Rothstein (2008).

Research Papers

Nearly Weighted Risk Minimal Unbiased Estimation. (Joint with Ulrich K. Müller.)

Abstract: We study non-standard parametric estimation problems, such as the estimation of the AR(1) coefficient close to the unit root. We develop a numerical algorithm that determines an estimator that is

nearly (mean or median) unbiased, and among all such estimators, comes close to minimizing a weighted average risk criterion. We demonstrate the usefulness of our generic approach by also applying it to estimation in a predictive regression, estimation of the degree of time variation, and long-range quantile point forecasts for an AR(1) process with coefficient close to unity.

Research Papers in Progress

Testing Structural Change in Tail Properties.

Unbiased Estimation of Value-at-Risk and Expected Shortfall. (Joint with Ulrich K. Müller.)

Teaching Experience

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| Sep. 2013-Present | Teaching Assistant, <i>Princeton University</i> , Economics Dept.
Assisted with junior level Econometrics courses |
| Sep. 2011-Dec. 2011 | Teaching Assistant, <i>University of California at Los Angeles</i> , Economics Dept.
Assisted with graduate level Econometrics courses |

Research Experience

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| Dec. 2010-Nov. 2011 | Research Assistant, <i>University of California at Los Angeles</i> , Economics Dept.
Assisted Prof. Rosa L. Matzkin |
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Honors and Awards

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|--------------|---|
| 2012-present | Graduate Fellowship, <i>Princeton University</i> , Economics Dept. |
| 2010-2012 | Graduate Fellowship, <i>University of California at Los Angeles</i> , Economics Dept. |
| 2010 | Undergraduate dissertation with honor, <i>Tsinghua University</i> , Finance Dept. |

Referee Service

Review of Economics and Statistics

Skills

- Advanced: Matlab
- Basic: Stata, Python, C++, Julia, Mathematica

Last updated: Nov. 2016