

# Zhi Wang

1255 Amsterdam Avenue  
Room 901  
New York, NY 10027

zhi.wang@columbia.edu  
<http://www.columbia.edu/~zw2393>

## EDUCATION

**Columbia University, Graduate School of Arts and Sciences** *2016 – present*

Ph.D. in Statistics                      Advisor: Jingchen Liu and Zhiliang Ying

**Peking University, School of Mathematical Sciences** *2012 – 2016*

B.S. in Mathematics and Applied Mathematics

B.E. in Economics

## PUBLICATIONS

1. Zhang, S., **Wang, Z.**, Qi, J., Liu, J., & Ying, Z. (2020+). Accurate Assessment via Process Data, submitted to *Psychometrika*. [[Preprint](#)]
2. **Wang, Z.**, Tang, X., Liu, J., & Ying, Z. (2020+). Subtask Analysis of Process Data Through a Predictive Model, submitted to *Psychometrika*. [[Preprint](#)]
3. **Wang, Z.**, Tang, X., & Liu, J. (2020+). Statistical Analysis of Multi-Relational Network Recovery, to appear in *Frontiers in Applied Mathematics and Statistics*. arXiv:2008.13056. [[Preprint](#)]
4. Tang, X., **Wang, Z.**, & Liu, J. (2020+). Adaptively Weighted Stochastic Gradient Descent Algorithm. Preprint.
5. Tang, X., Zhang, S., **Wang, Z.**, Liu, J., & Ying, Z. (2020). ProcData: An R Package for Process Data Analysis. arXiv:2006.05061. [[Preprint](#)]
6. Tang, X., **Wang, Z.**, Liu, J., & Ying, Z. (2020). An Exploratory Analysis of the Latent Structure of Process Data via Action Sequence Autoencoders. *British Journal of Mathematical and Statistical Psychology*. [[Preprint](#)] [[Journal Link](#)]
7. Tang, X., **Wang, Z.**, He, Q., Liu, J., & Ying, Z. (2020). Latent Feature Extraction for Process Data via Multidimensional Scaling. *Psychometrika*, 85(2), 378-397. [[Preprint](#)] [[Journal Link](#)]
8. Kadane, J. B., & **Wang, Z.** (2018). Sums of Possibly Associated Multivariate Indicator Functions: The Conway-Maxwell-Multinomial Distribution. *Brazilian Journal of Probability and Statistics*, 32(3), 583-596. [[PDF](#)] [[Journal Link](#)]

## AWARDS

Excellent Graduate Honor (2016)

May 4th Scholarship (2015)

Elite Students in Applied Mathematics Fellowship (2015)

Kwang-Hua Scholarship (2014)

First Prize, National Physics Competition for College Students (2013)

## **EXPERIENCE**

### **Internship**

Electronic Trading and Machine Learning Summer Associate Program, Barclays, 2020.

### **Teaching Fellow**

Stat GU4221/GR5221 Time Series Analysis (Spring & Fall 2019, Spring 2020)

Stat GU4263/GR5263 Statistical Inference and Time Series Modeling (Fall 2018)

Stat GU4265/GR5265 Stochastic Methods in Finance (Spring 2018)

Stat GU4205/GR5205 Linear Regression Models (Fall 2017)

Stat GU4204/GR5204 Statistical Inference (Spring 2017)

Stat GU4203/GR5203 Probability Theory (Fall 2016)

## **PROFESSIONAL ACTIVITIES**

### **Journal Reviewing**

British Journal of Mathematical and Statistical Psychology (2020)

Frontiers in Psychology (2019)

### **Conference Talks**

2019 International Meeting of The Psychometric Society

2019 Minghui Yu Memorial Conference

2018 Joint Statistical Meetings

2018 Minghui Yu Memorial Conference