

RUIYANG WU

School of Global Public Health, New York University
708 Broadway 7th Floor New York NY 10003 United States
(520) 312-0382 ruiyang.wu@nyu.edu
https://ywwry66.github.io/personal_page

EDUCATION

University of Arizona , Tucson, AZ	Aug 2016-Aug 2022
Ph.D. in Mathematics	
Advisor: Ning Hao	
University of Arizona , Tucson, AZ	Aug 2020-Dec 2020
M.S. in Statistics and Data Science	
Advisor: Ning Hao	
Peking University , Beijing, China	Sept 2012-Jul 2016
B.S. in Mathematics and Applied Mathematics	

EMPLOYMENT

New York University , New York, NY	Jun 2022-Present
Postdoctoral Associate in Biostatistics	
Advisor: Yang Feng	

RESEARCH INTERESTS

High-dimensional statistics, machine learning

PUBLICATIONS

Published

Ruiyang Wu and Ning Hao (2022). Quadratic Discriminant Analysis by Projection. *Journal of Multivariate Analysis*, 190, 104987.

In Progress

Ruiyang Wu and Ning Hao (2021+). Dimension Reduction for Quadratic Discriminant Analysis via Supervised Principal Component Analysis.

Ruiyang Wu, Ning Hao, Yue S. Niu and Han Xiao (2021+). Omnibus tests for multiple change-point models.

Software

- **QDAP**: Quadratic Discriminant Analysis by Projection. Available on [GitHub](#).
- **QDAPCA**: Dimension Reduction for Quadratic Discriminant Analysis via Supervised Principal

Component Analysis. Available on [GitHub](#).

TEACHING

Instructor at University of Arizona

- Math 112, College Algebra Spring 2022
- Math 112, College Algebra Fall 2021
- Real Analysis Qualifying Exam Review Sessions Summer 2020

Teaching Assistant at University of Arizona

- Math 107, Exploring and Understanding Data Fall 2017 & Spring 2018
- Math 112, College Algebra Spring 2017
- Math 310, Applied Linear Algebra Fall 2016

PRESENTATIONS

- “Quadratic Discriminant Analysis by Projection”, TRIPODS 2nd Southwest Summer Conference, Oracle, AZ, May 2019
- “Quadratic Discriminant Analysis by Projection”, ICSA 2018 Applied Statistics Symposium, New Brunswick, NJ, Jun 2018

AWARDS

- Galileo Circle Scholarship¹, University of Arizona Apr 2021
- Data Science Academy Fellowship, University of Arizona Nov 2020
- Galileo Circle Scholarship, University of Arizona Apr 2019

SKILLS

- Computer Programming: C, R, MATLAB, Emacs Lisp
- Languages: Mandarin, English
- Interests: violin, chess, painting

¹ The Galileo Circle awards scholarships to exceptional undergraduate and graduate students at College of Science.