

# MINGZE (RICO) HUANG

## ABOUT

I'm doing Computational Statistics, Package Development for R, Python and Julia, Machine Learning (Classic and Deep Learning), Parallel Computing on HPRC, Bioinformatics, Crypto Mining

## EXPERIENCE

2016  
|  
2022

### Teaching Economics

Texas A&M University

College Station, Texas

• As **Teaching Assistant** for:

• ECMT460/660: Mathematical Economics;  
• ECMT674: Economic Forecasting;  
• ECON675: Capstone for Financial Economics / Financial Econometrics;  
• ECON330: Economic Development;

• ECON612: Money, Banking and Financial Market;  
• ECON203: Principle of Economics;  
• ECON611: Foundation of Macroeconomic Theory;  
• ECMT461: Economic Data Analysis;

• As **Instructor** for:

• **ECON459: Games & Economic Behavior**

• **ECON410: Macroeconomic Theory**

2022

### Intern Data Scientist

Enom, Inc.

Newport Beach, California

2022

### Teaching Assistant for Data Science

Texas A&M University

College Station, Texas

• **ECEN489/STAT315: Special Topics: Computational Data Science**

## EDUCATION

2012

### Nankai University

BSc. and MSc. in Economics

Tianjin, China

2014

### Tel Aviv University

Summer Institute

Tel Aviv, Israel

2016

### Texas A&M University

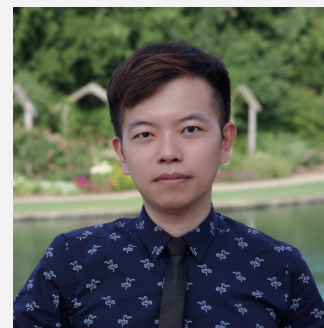
MSc. in Economics

College Station, Texas

2022

### Texas A&M University

MSc. in Statistics (Advisor: Irina Gaynanova) College Station, Texas



## CONTACT INFO

**id** <https://orcid.org/0000-0003-3919-1564>

**email** [mingzhuang@gmail.com](mailto:mingzhuang@gmail.com)

**website** [mingzhuang.github.io](https://mingzhuang.github.io)

**github** [@mingzhuang](https://github.com/mingzhuang)

**linkedin** [Mingze \(Rico\) Huang](#)

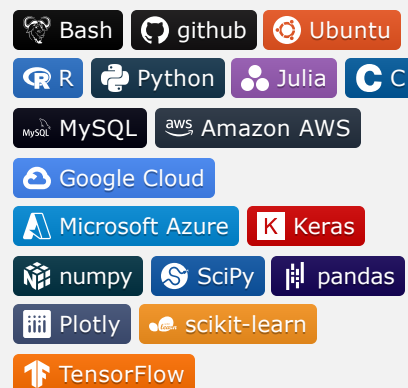
**twitter** [@mingze\\_rico](#)

**GoogleScholar** [Mingze Huang](#)

**ReserchGate** [Mingze Huang](#)

**Kaggle** [Mingze \(Rico\) Huang](#)

## SKILLS



Last updated on 2022-01-20.

2022

## Texas A&M University

PhD. in Economics (Dissertation Advisor: Irina Gaynanova)

Dissertation: Essays in The Application of Computational Statistics and Machine Learning in Social-Economic Research

📍 College Station, Texas



## PEER-REVIEW PUBLICATIONS

2021

**latentcor: An R Package for estimating latent correlations from mixed data types** *Journal of Open Source Software*, **6(65), 3634**

Mingze Huang, Christian L. Müller, Irina Gaynanova

📍 College Station, Texas

JOSS 10.21105/joss.03634 arXiv 2108.09180



## SOFTWARE

2020

**acpc: An R Package with Shiny App for Area Classification based on Census Data**

Mingze Huang

📍 College Station, Texas

 R v1.0.0

2021

**latentcor: An R Package for estimating latent correlations from mixed data types**

Mingze Huang, Grace Yoon, Christian L. Müller, Irina Gaynanova

📍 College Station, Texas

CRAN 1.2.0 - 2021-10-31  license GPL-3

DOI 10.5281/zenodo.5517823  R v1.2.0

 license GPL-3.0 website up

 supplementary material september 2021

2021

**latentcor: A Python Package for estimating latent correlations from mixed data types**

Mingze Huang, Christian L. Müller, Irina Gaynanova

📍 College Station, Texas

TestPyPI v0.1.3 website up build passing

 codecov 81%  last commit january

2022

**latentcor: A Julia Package for estimating latent correlation of mixed data types**

Mingze Huang, Irina Gaynanova

📍 College Station, Texas



## MEDIA COVERAGE

- 2021 • **latentcor: An R Package for estimating latent correlations from mixed data types.**  
[Computers](#) NEWSBREAK



## WORKING PAPERS

- 2021 • **latentcor is a Package for Aggregated Cell-type Level Data Analysis**  
**Mingze Huang**, Johannes Ostner, Christian L. Müller, Irina Gaynanova.  
 College Station, Texas
- 2021 • **The Application of Canonical Correlation Analysis for Mixed Data Types in Social Science and Public Health Policy.**  
**Mingze Huang**, Irina Gaynanova. College Station, Texas
- 2022 • **Genetic background affects mouse responses to the Lyme disease pathogen.**  
Artem Rogovsky, Scott Crawford, **Mingze Huang**.  
 College Station, Texas



## PEER-REVIEW SERVICES

- 2021 • **[Journal of Open Source Software](#)**  
@mingzehuang Online
- 2021 • **[PLOS One](#)**  
Mingze Huang Online



## FELLOWSHIP/AWARDS

- 2016 • **Texas A&M University**  
PhD Teaching/Research Assistantship, Dissertation Fellowship,  
International Texas Public Education Grant  
 College Station, Texas



## PROFESSIONAL ASSOCIATIONS

- 2021 - • **ASA**  
American Statistical Association USA
- 2022 - • **IEEE**  
Institute of Electrical and Electronics Engineers USA
- 2022 - • **RSS**  
Royal Statistical Society UK