

# MINGZE (RICO) HUANG

## INTEREST

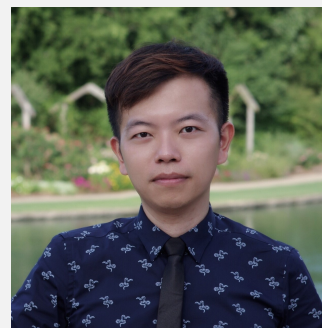
Computational Statistics, Machine Learning (Classic and Deep Learning), Parallel Computing (High Performance Computing), Fintech, Algorithmic Trading, Artificial Intelligence (Automation Programming for Drone/Robot)

## EDUCATION

- 2010 • **Nankai University**  
Bs. (Risk Management and Insurance) • Tianjin, China
- 2010 • **Nankai University**  
Ms. in Economics • Tianjin, China
- 2014 • **Tel Aviv University**  
Summer Institute • Tel Aviv, Israel
- 2016 • **Texas A&M University**  
Ms. in Economics • College Station, Texas
- 2022 • **Texas A&M University**  
Ms. in Statistics (Advisor: Irina Gaynanova) • College Station, Texas
- 2022 • **Texas A&M University**  
PhD. in Economics • College Station, Texas

## PEER-REVIEW PUBLICATIONS

- 2021 • **latentcor: An R Package for estimating latent correlations from mixed data types**  
**Mingze Huang**, Christian L. Müller, Irina Gaynanova • College Station, Texas
  - **Journal of Open Source Software** (Under Review): <https://joss.theoj.org/papers/4a6c419d1fb73148cbf13881b97c5ba9>
  - doi: *pending*
  - arXiv: <https://arxiv.org/abs/2108.09180>
  - NEWSBREAK: <https://www.newsbreak.com/news/2348863335897/latentcor-an-r-package-for-estimating-latent-correlations-from-mixed-data-types>



## CONTACT INFO

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 [mingzehuag@gmail.com](mailto:mingzehuag@gmail.com)

 <https://github.com/mingzehuag/latentcor>

 <https://mingzehuag.github.io/>

 <https://www.linkedin.com/in/mingze-rico-huang-a7986b21a/>

For more information, please contact me via email.

## LANGUAGE




English, Taiwanese,  
Chinese (Mandarin)

## SKILLS


Bash (Unix Shell), Linux (Ubuntu), SQL, NoSQL, R, Python, Julia, C, C++, Intel DevCloud (Intel® Edge AI), AWS

*Last updated on 2021-09-17.*

## SOFTWARE

- 2020 • **acpc: An R Package with Shiny App for Area Classification based on Census Data**  
**Mingze Huang**  College Station, Texas
- CRAN: *pending*
  - Github Repository: <https://github.com/mingzehuag/acpc>
  - Documentation Website: *pending*
- 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: <https://CRAN.R-project.org/package=latentcor>
  - GitHub Repository: <https://github.com/mingzehuag/latentcor>
  - Documentation Website: <https://mingzehuag.github.io/latentcor/>
  - Supplementary Material: [https://github.com/mingzehuag/latentcor\\_evaluation](https://github.com/mingzehuag/latentcor_evaluation)
- 2021 • **latentcor: A Python Package for estimating latent correlations from mixed data types**  
**Mingze Huang, Christian L. Müller, Irina Gaynanova**  College Station, Texas
- GitHub Repository: [https://github.com/mingzehuag/latentcor\\_py](https://github.com/mingzehuag/latentcor_py)

## WORKING PAPERS

- 2019 • **Shadow banking, information asymmetry and ring-fencing policy.**  
**Mingze Huang**  College Station, Texas

## FELLOWSHIP/AWARDS

- 2006-2012 • **Nankai University**  
Undergraduate/Graduate Scholarship  Tianjin, China
- 2016 | 2022 • **Texas A&M University**  
PhD Teaching/Research Assistantship, Dissertation Fellowship,  
International Texas Public Education Grant  College Station, Texas



## WORKING EXPERIENCE

2016-  
2019

### Teaching Assistant

Texas A&M University

📍 College Station, Texas

- 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 (Honor Capstone Project);
- ECON611: Foundation of Macroeconomic Theory;

2020

### Instructor of ECON459-501: Games & Economic Behavior

Texas A&M University

📍 College Station, Texas

- [Teaching Evaluation](#): 4.33 / 5  
(Course Average for All Sessions: 4.16 / 5)
- Course Page: <https://mingzhehuang.github.io/game.html>

2021

### Instructor of ECON410: Macroeconomic Theory

Texas A&M University

📍 College Station, Texas

- [Teaching Evaluation](#): 5 / 5
- Course Page: [https://mingzhehuang.github.io/ECON410\\_Macroeconomic\\_Theory/](https://mingzhehuang.github.io/ECON410_Macroeconomic_Theory/)
- Github Repository: [https://github.com/mingzhehuang/ECON410\\_Macroeconomic\\_Theory](https://github.com/mingzhehuang/ECON410_Macroeconomic_Theory)

2021

### Teaching Assistant

Texas A&M University

📍 College Station, Texas

ECMT461: Economic Data Analysis