

MINGZE "RICO" HUANG

ABOUT

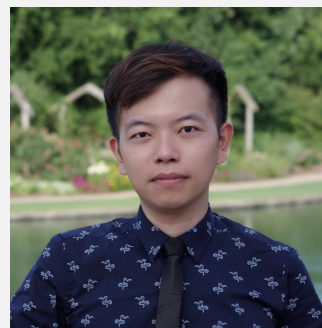
I'm doing Computational Statistics, Package Development for R and Python, Statistical Machine Learning, Parallel Computing on HPC

EXPERIENCE

- **Texas A&M University**
College Station, Texas 📍 2016 - 2022
 - 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;
 - **ECEN360/STAT315: Special Topics: Computational Data Science**
 - As **Instructor** for:
 - **ECON459: Games & Economic Behavior**
 - **ECON410: Macroeconomic Theory**
- **Eonum Inc.**
Irvine, California 📍 2022
 - As **Consultant (Data Scientist)** for Quantum Computing
 - As **Consulting Manager (Data Scientist)** for Algorithmic Trading

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

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website mingzhuang.github.io

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

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

twitter [@mingze_rico](#)

GoogleScholar [Mingze Huang](#)

ReserchGate [Mingze Huang](#)

SKILLS



Last updated on 2023-04-14.

2022

Texas A&M University

PhD. in Economics (Dissertation Advisor: Irina Gaynanova)

Dissertation: Estimation of Latent Correlations between Mixed Types of Measurements With Applications 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 v2.0.0 📄 license GPL-3 📄 R v2.0.1

📄 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

PyPI v0.2.4 📄 website up 📄 build passing 📄 codecov 81%

📄 last commit september 2022

2022

mixedCCA: Sparse Canonical Correlation Analysis for High-Dimensional Mixed Data

Grace Yoon, Mingze Huang, Irina Gaynanova 📍 College Station, Texas

CRAN 1.6.2 – 2022-09-09 📄 license GPL-3 📄 R v1.6.2



MEDIA COVERAGE

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



WORKING PAPERS

- 2021 • **latentcor is a Python Package for Aggregated Cell-type Level Data Analysis**
Mingze Huang, Christian L. Müller, 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
 last commit **january 2022**
- 2022 • **The Efficacy of COVID Government Response Policy: Application of Estimating Latent Correlations between Serially Correlated Mixed Data**
Mingze Huang, Irina Gaynanova, Christian L. Müller
 College Station, Texas
- 2022 • **PCA with Latent Correlation**
Mingze Huang, Irina Gaynanova College Station, Texas



PEER-REVIEW SERVICES

- 2021 | 2022 • **[Journal of Open Source Software](#)**
[@mingzehuang](#) Online
- 2021 | 2022 • **[PLOS One](#)**
Mingze Huang Online



FELLOWSHIP/AWARDS

- 2016 | 2022 • **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