

MINGZE "RICO" HUANG

ABOUT

I'm doing Computational Statistics, Package Development for R and Python, Machine Learning (Classic and Deep Learning), Parallel Computing on HPC

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

Teaching Assistant for Data Science

Texas A&M University

📍 College Station, Texas

• **ECEN360/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

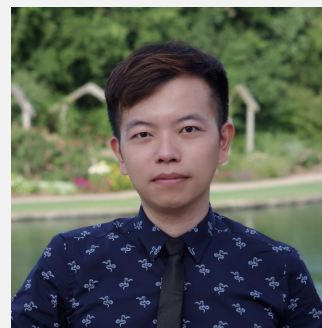
MSc. in Economics

📍 College Station, Texas

2022

Texas A&M University

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



CONTACT INFO

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website mingzehuag.github.io

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

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

twitter [@mingze_rico](#)

GoogleScholar [Mingze Huang](#)

ReserchGate [Mingze Huang](#)

SKILLS



Last updated on 2022-10-13.

2022

Texas A&M University

PhD. in Economics (Dissertation Advisor: Irina Gaynanova)
Dissertation: Essays in Statistical Machine Learning and Software
Development for 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

**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 • **The Role of Simultaneity of Venture Capitalists' Coopetition on Start-up Exit.**
Xiaolei Wang, Yan Zhong, Mingze Huang 📍 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
- 2022 - • **RSS**
Royal Statistical Society 📍 UK