

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

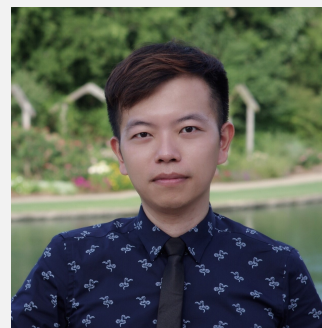
MSc. in Economics

College Station, Texas

2022

Texas A&M University

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



CONTACT INFO

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website mingzehuag.github.io

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

linkedin Mingze ("Rico") Huang

twitter [@mingze_rico](https://twitter.com/mingze_rico)

GoogleScholar [Mingze Huang](#)

ReserchGate [Mingze Huang](#)

SKILLS

 Bash  github  Ubuntu

 R  Python  C

 MySQL  Amazon AWS

 Keras  numpy  SciPy

 pandas  Plotly

 scikit-learn  TensorFlow

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