

MINGZE "RICO" HUANG

ABOUT

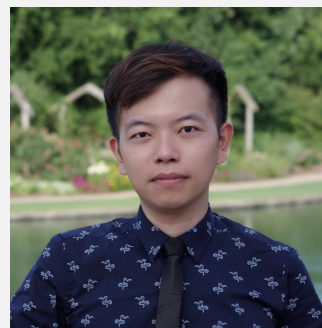
I'm doing Computational Statistics, Package Development for R and Python, Statistical Machine Learning, Parallel Computing on HPC

EXPERIENCE

- **Bohai Insurance Co. Ltd**
Tianjin, China 2012 - 2014
 - Data Analyst
- **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;
 - As **Instructor** for:
 - [ECON459: Games & Economic Behavior](#)
 - [ECON410: Macroeconomic Theory](#)
 - ECON203: Principle of Economics;
 - ECON611: Foundation of Macroeconomic Theory;
 - ECMT461: Economic Data Analysis;
 - **ECEN360/STAT315: Special Topics: Computational Data Science**
- **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



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 2023-05-02.

2022 • **Texas A&M University**
MSc. in Statistics (Advisor: Irina Gaynanova) 📍 College Station, Texas

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 R 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 R 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