

MINGZE "RICO" HUANG

ABOUT

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

EXPERIENCE

- **Bohai Property 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;
 - 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. (Contract)**
Remote 2022 - 2023
 - As **Consultant (Data Scientist)**: Stock market data analysis and event study using R and Python.
- **Freelance Statistician**
Remote 2023
 - Help Ophelia Riego Health Fund, LLC. build R and Python packages for automatic high-frequency trading analysis to significantly reduce the workload of analysts.

EDUCATION

2012

- **Nankai University**
BSc. and MSc. in Economics Tianjin, China




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

 Bash  github  Ubuntu
 R  Python  C
 MySQL  Amazon AWS
 Keras  numpy  SciPy
 pandas  Plotly
 scikit-learn  TensorFlow

Last updated on 2023-07-17.

- 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 (Statistical Data Science) 📍 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 may


2022

- **mixedCCA: Sparse Canonical Correlation Analysis for High-Dimensional Mixed Data**
Grace Yoon, **Mingze Huang**, Irina Gaynanova  College Station, Texas
 1.6.2 – 2022-09-09  license   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