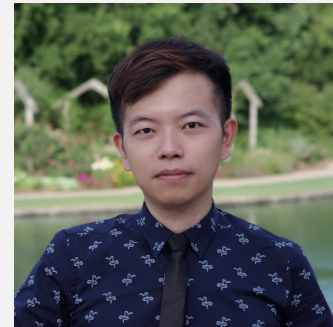# MINGZE (RICO) HUANG

☁ ABOUT

I'm doing Computational Statistics, Package Development for R, Python and Julia, Machine Learning (Classic and Deep Learning), Parallel Computing on HPRC, Bioinformatics, Crypto Mining

💻 EXPERIENCE

2016-2022

Teaching Assistant
Texas A&M University   📍 College Station, Texas

- 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;
- **ECEN489/STAT315: Special Topics: Computational Data Science**

2020-2022

Instructor
Texas A&M University   📍 College Station, Texas

- ECON459: Games & Economic Behavior
- ECON410: Macroeconomic Theory

2022-

Data Scientist
Eonum, Inc.   📍 Newport Beach, California

- Data processing and algorithm development using Python

🎓 EDUCATION

2010

Nankai University
Bs. (Risk Management and Insurance)   📍 Tianjin, China

2012

Nankai University
Ms. in Economics   📍 Tianjin, China

2014

Tel Aviv University
Summer Institute   📍 Tel Aviv, Israel

2016

Texas A&M University
Ms. in Economics   📍 College Station, Texas

2022

Texas A&M University
Ms. in Statistics (Advisor: Irina Gaynanova)   📍 College Station, Texas

CONTACT INFO

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- github @mingzehuang
- email mingzehuang@gmail.com
- linkedin Mingze (Rico) Huang
- GoogleScholar Mingze Huang
- ReserchGate Mingze Huang
- Kaggle Mingze (Rico) Huang
- Coursera Mingze (Rico) Huang

SKILLS

English proficient | Bash | Ubuntu | R | Python | Julia | C | MySQL | Amazon AWS | Google Cloud | Microsoft Azure | Intel® Edge AI

2022   **Texas A&M University**
PhD. in Economics (Dissertation Advisor: Irina Gaynanova)
📍 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` `1.2.0 – 2021-10-31` `license GPL-3`
`DOI` `10.5281/zenodo.5517823` `R` `v1.2.0`
`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

`TestPyPI` `v0.1.3` `website` `up` `build` `passing`
`codecov` `81%` `last commit` `january`

2022   **latentcor: A Julia Package for estimating latent correlation of mixed data types**
Mingze Huang, Irina Gaynanova
📍 College Station, Texas

📰 MEDIA COVERAGE

2021   **latentcor: An R Package for estimating latent correlations from mixed data types.**
Computers
📍 NEWSBREAK

✎ WORKING PAPERS

2021 • **latentcor is a Package for Aggregated Cell-type Level Data Analysis**
Mingze Huang, Johannes Ostner, Christian L. Müller, Irina Gaynanova.

📍 College Station, Texas

2021 • **The Application of Canonical Correlation Analysis for Mixed Data Types in Social Science and Public Health Policy.**
Mingze Huang, Irina Gaynanova. 📍 College Station, Texas

2022 • **The Inter-sex and Inter-line/strain Differences on Infection of Lyme Disease.**
Artem Rogovskyy, Scott Crawford, **Mingze Huang**.

📍 College Station, Texas

ACADEMIC SERVICES

2021 • **Peer-reviewer for *Journal of Open Source Software***
@mingzehuang 📍 Online

2021 • **Peer-reviewer for *PLOS One***
Mingze Huang 📍 Online

🏅 FELLOWSHIP/AWARDS

2016 • **Texas A&M University**
| PhD Teaching/Research Assistantship, Dissertation Fellowship,
2022 International Texas Public Education Grant

📍 College Station, Texas