MINGZE "RICO" HUANG

☁ ABOUT

I'm doing Computational Statistics, Package Development for R and Python, Statistical Machine 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**

2022

Consultant (Data Scientist)
Eonum Inc. 📍 Irvine, California

🎓 EDUCATION

2012

Nankai University
BSc. and MSc. in Economics 📍 Tianjin, China

2014

Tel Aviv University
Summer Institute 📍 Tel Aviv, Israel
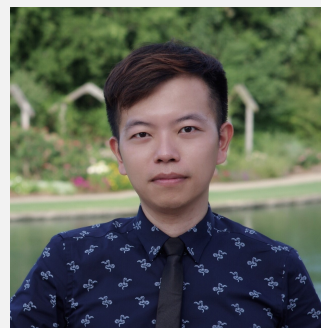
2016

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

ⓘ https://orcid.org/0000-0003-3919-1564

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website	mingzehuang.github.io
github	@mingzehuang
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

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 Rogovskyy, Scott Crawford, **Mingze Huang**.
📍 College Station, Texas

![last commit january 2022]

2022 ● **The Effecacy 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