MINGZE "RICO" HUANG

☁ ABOUT

I'm doing Computational Statistics, Package Development for R and Python, Machine Learning (Classic and Deep 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**

🎓 EDUCATION

2012

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

2014

Tel Aviv University
Summer Institute   📍 Tel Aviv, Israel
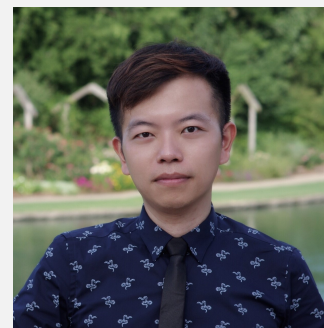
2016

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

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

email mingzehuang@gmail.com
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
Microsoft Azure | Keras
numpy | SciPy | pandas
Plotly | scikit-learn
TensorFlow
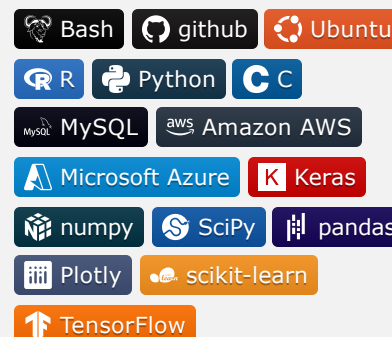
2022 ● **Texas A&M University**
PhD. in Economics (Dissertation Advisor: Irina Gaynanova)
Dissertation: Essays in Statistical Machine Learning and Software
Development for Social-Economic Research
📍 College Station, Texas

📄 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` `last wednesday`

📧 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, Christian L. Müller, Irina Gaynanova.
📍 College Station, Texas

2021 ● **The Application of Latent Correlation Estimation for Mixed Data Types in Social Science and Public Health Policy.**
Mingze Huang, 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 ● **The Role of Simultaneity of Venture Capitalists' Coopetition on Start-up Exit.**
Xiaolei Wang, Yan Zhong, Mingze Huang   📍 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

2022 - ● **RSS**
Royal Statistical Society   📍 UK