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**

🎓 EDUCATION

2012

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

2014

Tel Aviv University
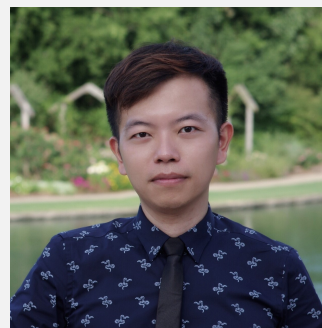Summer Institute 📍 Tel Aviv, Israel

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

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
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 **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 ● **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

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