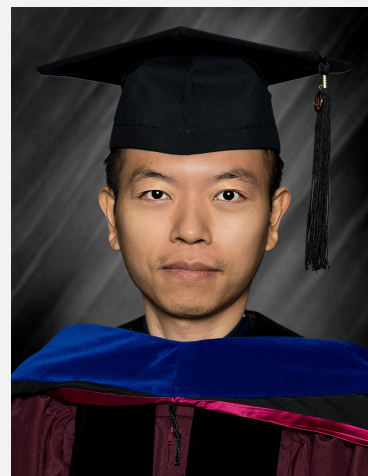# MINGZE "RICO" HUANG

☁ ABOUT

I'm doing Computational Statistics, 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.
Irvine, California   📍 2022
- • **Consultant (Data Scientist)**
- • **Consulting Manager (Data Scientist)**

🎓 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

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

Last updated on 2023-06-06.

2022 **Texas A&M University**
MSc. in Statistics (Advisor: Irina Gaynanova) 📍 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` `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
`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