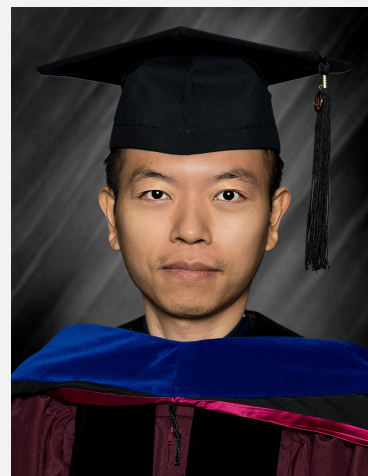# MINGZE "RICO" HUANG

☁ 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)**

Planck Capital
Newport, CA   📍 2023
• Quantum Trader

🎓 EDUCATION

2012   **Nankai University**
        BSc. and MSc. in Economics   📍 Tianjin, China

2014   **Tel Aviv University**
        Summer Institute   📍 Tel Aviv, Israel

CONTACT INFO

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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 2023-05-15.

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

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` `last friday`

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