

MINGZE (RICO) HUANG

ABOUT

I'm doing Computational Statistics, Package Development for R, Python and Julia, Machine Learning (Classic and Deep Learning), Parallel Computing on HPRC, Bioinformatics, Crypto Mining

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

Intern Data Scientist

Enom, Inc.

Newport Beach, California

2022

Teaching Assistant for Data Science

Texas A&M University

College Station, Texas

• **ECEN489/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

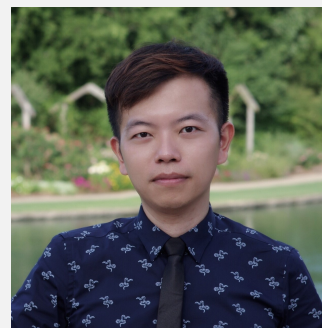
MSc. in Economics

College Station, Texas

2022

Texas A&M University

MSc. in Statistics (Advisor: Irina Gaynanova) College Station, Texas



CONTACT INFO

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website mingzhuang.github.io

github [@mingzhuang](https://github.com/mingzhuang)

linkedin [Mingze \(Rico\) Huang](#)

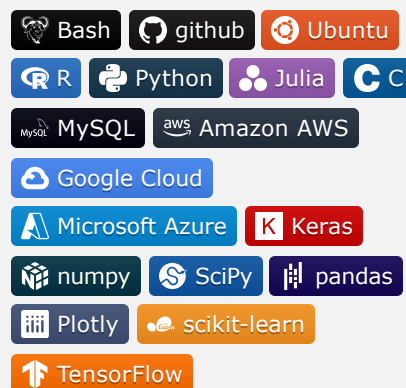
twitter [@mingze_rico](#)

GoogleScholar [Mingze Huang](#)

ReserchGate [Mingze Huang](#)

Kaggle [Mingze \(Rico\) Huang](#)

SKILLS



Last updated on 2022-01-20.

2022



Texas A&M University

PhD. in Economics (Dissertation Advisor: Irina Gaynanova)
Dissertation: Essays in the Use of Statistical Machine Learning 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 1.2.0 - 2021-10-31 license GPL-3

DOI 10.5281/zenodo.5517823 R v1.2.0

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

TestPyPI v0.1.3 website up build passing

codecov 81% last commit january

2022




**latentcor: A Julia Package for estimating latent correlation
of mixed data types**

Mingze Huang, Irina Gaynanova

📍 College Station, Texas






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, Johannes Ostner, Christian L. Müller, Irina Gaynanova.
 College Station, Texas
- 2021 • **The Application of Canonical Correlation Analysis 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 Rogovsky, Scott Crawford, **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