

ZEWEI LIN

+1(513) 208-9724 linzw@mail.uc.edu \diamond zeweilin.github.io

Carl H. Lindner College of Business, University of Cincinnati

2906 Woodside Drive, Cincinnati OH 45221

EDUCATION

Ph.D. in Business Administration (Business Analytics, GPA: 4.0/4.0),

Carl H. Lindner College of Business, University of Cincinnati

04/2024 (Expected)

B.S. in Mathematical Statistics,

School of Statistics, Renmin University of China

06/2019

B.A. in Philosophy ,

School of Philosophy, Renmin University of China

06/2019

B.Ec. in Economic Statistics,

School of Statistics, Renmin University of China

06/2019

Summer Session Certificate in Biostatistics,

University of California, Berkeley

08/2017

RESEARCH

Major Working Papers:

- **Lin, Z.**, Liu, D. (2022), “Model diagnostics of discrete data regression: a unifying framework using functional residuals”, submitted to the *Journal of the American Statistical Association*.
- Liu, D., Zhu, X., Greenwell B., & **Lin, Z.** (2022), “A new goodness-of-fit measure for probit models: surrogate R^2 ”, under the second revision for the *British Journal of Mathematical and Statistical Psychology*.
- Zhu, X., **Lin, Z.**, & Liu, D. (2022), “*Surr_rsq*: an R package for evaluating goodness of fit using surrogate R^2 ”, manuscript for submission to the *R Journal*.

Research in Progress:

- “Bootstrap estimation for sparse edge-exchangeable network”, with Prof. Yichen Qin.

Research during college study:

- An online algorithm to calculate high dimensional correlation matrix for analysis of brain image data (Summer 2018, with Prof. Moo K. Chung, University of Wisconsin-Madison).
 - It solves the computer limited memory problem for $10^4 \times 10^4$ dimensional correlation matrices.
 - It is 10^3 times faster than the default function in Matlab.
 - It is adopted in *Brain Network Analysis, Cambridge University Press, Chung, M.K. (2019), Page 127*.
- Anomaly detection of China social insurance payments by provinces (Spring 2016, with Prof. Xiaojun Wang, Renmin University of China).

PRESENTATION

- “*Model diagnostics of discrete data regression: a unifying framework using functional residuals*”, student contributed poster, The Joint Statistical Meetings (JSM), Washington D.C. 08/2022
- “*Model diagnostics of discrete data regression: a unifying framework using functional residuals*”, **refereed extended abstract**, Symposium on Data Science and Statistics (SDSS), Pittsburgh, PA. 06/2022
- “*Analyzing conflicting information via multi-dimensional textual network analysis framework*”, INFORMS Annual Meeting, Virtual. 10/2020

TEACHING

Instructor (In-person & Online)

- **BANA 4085 Spreadsheet Analytics** (Undergraduate level, Eval: 8/8) Spring 2021
- **BANA 6043 Statistical Computing** (Graduate level, Eval: 7.8/8) Fall 2021
- **BANA 7046 Data Mining I** (Graduate level, Eval: 7.3/8) Spring 2022

Teaching Assistant

- BANA 2081 Business Analytics I
- BANA 2082 Business Analytics II
- BANA 4085 Spreadsheet Analytics
- BANA 4137 Descriptive Analytics and Data Visualization
- BANA 4143 Data Management for Analytics
- BANA 6043 Statistical Computing
- BANA 7052 Applied Linear Regression
- BANA 7046 Data Mining I
- BANA 7047 Data Mining II

AWARDS

- Student and Early-Career Travel Awards, Symposium on Data Science and Statistics 06/2022
- Student Poster Awards (Sponsored by Munich Re), New England Statistics Symposium 05/2022
- Honorable Mention, International Mathematical Contest of Modeling 02/2018
- *Mingde* Excellent Student Scholarship, Renmin University of China 06/2017

SKILLS

Programming Languages R, Python, SPSS, SAS, C, Matlab, Stata, and Eviews.
English (fluent); Chinese (native); Japanese (N3).