ZEWEI LIN

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Carl H. Lindner College of Business, University of Cincinnati
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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

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

RESEARCH

Research Insterests:

Discrete data analysis and its applications in insurance premium and information system.

Published Papers:

- Liu, D., Zhu, X., Greenwell B., & **Lin, Z.** (2022), "A new goodness-of-fit measure for probit models: surrogate R^2", accepted by the *British Journal of Mathematical and Statistical Psychology*.

Major Working Papers:

- **Lin, Z.**, Liu, D., "Model diagnostics of discrete data regression: a unifying framework using functional residuals", submitted to the *Journal of the American Statistical Association*.
- **Lin, Z.**, Liu, D. & Li, J., "Tweedie modeling of insurance premium: breaking the box using diagnostics tools.", in preparation for *Management Science*.
- Zhu, X., **Lin, Z.**, & Liu, D., "*Surr_rsq*: an R package for evaluating goodness of fit using surrogate R^2", manuscript for submission to the *R Journal*.
- **Lin, Z.**, Liu, D. & Samuel, B.,"Joint modeling of multivariate discrete outcomes? An exploratory framework and its application for the design of information system", in progress.

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
- "*Model diagnostics of discrete data regression: a unifying framework using functional residuals*", **student award presentation**, New England Statistics Symposium (NESS), Mansfield, CT. 05/2022
- "*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: 8.0/8) 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
- **BANA 7025 Data Wrangling** (Graduate level, Eval: 7.6/8) Fall 2022
- **BANA 7046 Data Mining I** (Graduate level, Eval: TBD) Spring 2023

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

Second Reader for Capstone Essays (3 Projects)

SKILLS

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