

# Yeasung Jeong

Assistant Professor  
Information Systems and Business Analytics  
School of Business  
University at Albany, SUNY  
1400 Washington Avenue  
Albany, NY 12222

Updated: September 8, 2023  
(518) 956-8352  
yjeong5@albany.edu

---

**EDUCATION**      **Ph.D.** in Information Systems, Auburn University      2019 - 2023

Dissertation: “*Three-essays on Learning Algorithms in Business Studies*”

Job Market Paper: (Essay 1) “CIO Turnover and its Consequences for Competitors: Causal Inference for Count Outcomes in a Panel Data Setting”  
Advisor: Dr. Kang-Bok Lee

**B.A.** in Global Economics\*, Sungkyunkwan University\*\*, South Korea      2015

\*Requires the top 0.5% of College Scholastic Ability Test (CSAT) in South Korea

\*\*Ranked 18th in Asia and 122nd in the world by Times ranking;

<https://www.timeshighereducation.com/world-university-rankings/sungkyunkwan-university-skku#ranking-dataset/589595>

**FIELDS**      Business Analytics, Information Systems, Operations Management,  
Management Science, Operations Research, Healthcare Analytics

**PUBLICATIONS**      3. “Product Differentiation in IT Industries: The Interplay of M&A and In-house Innovation”

(with Kangkang Qi, Sumin Han, Pouya Rahmati, Anjana Susarla, and Vallabh Sambamurthy)

*Journal of the Association for Information Systems*, 24(4), 1102-1131

2023

– Category A<sup>+</sup> of the ABDC rankings; Australian Business Deans Council

2. “Outliers in Financial Time Series Data: Outliers, Margin Debt, and Economic Recession”

(with Kang-Bok Lee, Sunghoon Joo, Yeo-Song Yoon, Sumin Han, and Hyeoncheol Baik)

*Machine Learning with Applications*, 100420

December 2022

1. “COVID-19, flattening the curve, and Benfords law”

(with Kang-Bok Lee and Sumin Han)

*Physica A: Statistical Mechanics and its Applications*, 559(1), 125090

December 2020

– “A” level journal in Mathematical Physics; [https://www.austms.org.au/Rankings/0105\\_AustMS\\_final\\_ranked.html](https://www.austms.org.au/Rankings/0105_AustMS_final_ranked.html)

– Ranked 20/227 (top 9%) in Category: Mathematics and Ranked 86/397 (top 27%) in Category: Physics and Astronomy; <https://www.scopus.com/sourceid/29115>

– Most downloaded paper in 2020

**R&R**      4. “Do Green Badges Always Glitter? An Empirical Investigation of U.S. Hospitals”

(with Sumin Han, Kang-Bok Lee, and Joonhwan In)

1st round revision, *Business Strategy and the Environment*

– Category A of the ABDC rankings; Australian Business Deans Council

3. “Achieving Reliable Hospital Performance Mindfully: A Sentiment Analysis Approach”  
(with Daniel Chen and Kangkang Qi)  
Reject and Resubmit, *Production and Operations Management*
  - Category A<sup>+</sup> of the ABDC rankings; Australian Business Deans Council
  
2. “Difference-in-Differences and Matching Methods in the Operations and Supply Chain Management Research”  
(with Kang-Bok Lee, Sumin Han, Sunghoon Joo, and Kangkang Qi)  
Reject and Resubmit, *Journal of Operations Management*
  - Category A<sup>+</sup> of the ABDC rankings; Australian Business Deans Council
  
1. (Essay 2) “A Systematic Approach for Learning Imbalanced Data”  
(with Young Woong Park, Sumin Han, and Kang-Bok Lee)  
1st round revision-submitted, *Machine Learning*
  - Ranked 32/1,120 (top 2.8%) in Category: Artificial Intelligence; <https://www.scimagojr.com/journalrank.php?category=1702&year=2015>

- UNDER REVIEW**
4. “Imbalanced Class Matching for Policy Analysis: An Application of Opportunity Zones”  
(with Kangbok Lee, Sumin Han, Junyoung Park, Joonhwan In, and Yeo-song Yoon)  
Under Review, *Sociological Methods and Research*
  3. “Difference-in-Differences with Matching Methods in Leadership Studies: A Review and Practical Guide”  
(with Sumin Han, Sunghoon Joo, Junyoung Park, and Kangkang Qi)  
Under Review, *Leadership Quarterly*
  2. “Difference-in-Differences, Time-variant Unobserved Systematic Differences, and Panel Data with Short Time Periods”  
(with Kang-Bok Lee, Sumin Han, Sunghoon Joo, and Kangkang Qi)  
Under Review, *Political Analysis*
  1. “Reducing Model Dependency and Relaxing Fixed Sample Size with the Observation Weights Matching Method”  
(with Kang-Bok Lee, Sumin Han, Hyeoncheol Baik, and Young Woong Park)  
Under Review, *Journal on Computing*

**WORKS IN PROGRESS**

- (Essay 1) “CIO Turnover and its Consequences for Competitors”  
(with Kang-Bok Lee, Sumin Han, Junyoung Park, and Young Woong Park)  
90% completed, Target: *Information Systems Research*
- “Coarsened Exact Matching as an alternative to Propensity Score Matching in Management Study: Propensity Score Tautology and Multivariate Imbalance”  
(with Kang-Bok Lee, Yeo-Song Yoon, Sumin Han, David Paradise, and Joonghee Lee)  
90% completed, Target: *Leadership Quarterly*
- “Causal Inference for Count Outcomes in a Panel Data Setting”  
(with Kang-Bok Lee, Sumin Han, Junyoung Park, and Young Woong Park)  
90% completed, Target: *Journal of the American Statistical Association*
- “Coarsened Robust and Inclusive Matching”  
(with Young Woong Park and Kang-Bok Lee)  
90% completed, Target: *Management Science*
- (Essay 3) “Learning Unknown Uncertainty using Observed Data: The Disappearance of Conspicuous Consumption during the Pandemic”  
(with Kang-Bok Lee, Sumin Han, and Young Woong Park)  
85% completed, Target: *Management Science*

“Forecasting Using Supervised Principal Components: Application to Bank Loan Losses”  
(with Sunghoon Joo, Hyeoncheol Baik, Sumin Han, and Kang-Bok Lee)  
80% completed, Target: *European Journal of Operational Research*

“Tech Similarity, Product Similarity, and M&A value creation”  
(with Sumin Han, Sunghoon Joo, Kang-Bok Lee, Kangkang Qi, and Yeo-Song Yoon)  
15% completed

“Buying IT to help with Product? Empirical Investigation of the Role of Acquired IT  
Portfolio on Product Differentiation”  
(with Kangkang Qi, Yeo-Song Yoon, Sumin Han, and Kang-Bok Lee)  
15% completed

“MIDAS-Imbalanced Learning”  
(with Kang-Bok Lee, Russell Lee Zaretski, and Min Gu)

**AWARDS** Outstanding Ph.D. Student Award (\$1,500), Auburn University 2023

**CONFERENCE PAPERS** **AMCIS 2023** 2023  
“CIO Turnover and its Consequences for Competitors”  
(with Kang-Bok Lee, Sumin Han, Junyoung Park, and Young Woong Park)  
Panama City, Panama

**INFORMS Annual Meeting** 2021  
“A Simple Panel Data Method under Different Data Generating Process”  
(with Kang-Bok Lee, Sumin Han, and Joonhwan In)  
Anaheim, CA

**TEACHING EXPERIENCE** *Databases and Business Intelligence* Fall 2023

- Course material: Murach’s MySQL, 3rd edition, Joel Murach, Database Systems: Introduction to Databases and Data Warehouses, 2nd edition, Nenad jukic, Susan Vrbsky, Svetloza Nestorov, Abhishek Sharma
- Programming Language: MySQL, MongoDB

*Foundations of Data Management and Business Analytics for Managers* Fall 2023

- Course material: Business Analytics, 2nd edition, Sanjiv Jaggia, Alison Kelly, Kevin Lertwachara, Leida Chen
- Programming Language: Alteryx Designer

*Principles of Predictive Modeling* Spring 2022

- Course material: Data Analysis for Business, Economics, and Policy, Gábor Békés & Gábor Kézdi, 2021, Cambridge
- Programming Language: Python, R

*Business Analytics II* Fall 2021, Fall 2022, Spring 2023

- Course material: Business Statistics and Analytics in Practice, Ninth Edition, Bowerman et al., 2019, McGraw Hill.
- Programming Language: R, JMP

**SKILLS** Computer: R(fluent), Stata(fluent), Python(fluent), SQL(fluent), Alteryx(fluent)