

## Contact Information

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## Education

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Ph.D. in Business Administration, Graduate Institute of Business Administration, Fu Jen Catholic University, 2024  
M.S. in Department of Statistics and Information Science, Fu Jen Catholic University, 2019

## Work Experience

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Fu Jen Catholic University

**Assistant Professor**, Bachelor's Program in Business Administration (Aug. 2024 – Jul.2025)  
**Post-doctoral Research Fellow**, AI Development Center (Apr. 2024 – Jun.2025)  
**Data Analyst**, AI Development Center (Mar. 2022 – Mar. 2024)  
**Teaching Assistant**, Department of Business Administration – Statistics (Sep. 2021 – Jun. 2023)  
**Editorial Assistant**, *Journal of Data Science* (Dec. 2017 – Jun. 2019)

Shih Chien University

**Assistant Professor**, Department of Finance (Aug. 2024 – Jul.2025)  
**Assistant Professor**, Department of Finance (Aug. 2022 – Jul.2024)

Taipei Medical University

**Data Analyst**, Big Data Center (Sep. 2021 – Feb. 2022)

## Journal Papers

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1. Ming-Hsien Tsai, Mingchih Chen, Yen-Chun Huang, **Wei-Shan Chang**, Kai-Yuan Hsiao, Hung-Hsiang Liou, Yu-Wei Fang (2025). Benefits of Sodium-Glucose Cotransporter-2 Inhibitors with Renin-Angiotensin System Blockers in Type-2 Diabetes: A Cohort Analysis. (**SCIE, MEDICINE, RESEARCH & EXPERIMENTAL, IF=2.1, Rank=117/195(Q3), 2024 JCR**)
2. Ji-ping Wang, Rong Li, **Wei-Shan Chang**, Kai-Yuan Hsiao, Ben-Chang Shia, And Shuangge Ma (2024) Heterogeneous network analysis of disease clinical treatment measures via mining electronic medical record data. *Annals of Applied Statistics*. (Accepted) (**SCIE, Statistics & Probability, IF=1.3, Rank=65/168(Q2), 2023 JCR**)
3. Kai-Yuan Hsiao, Hsin-Pao Chen, Kun-Ming Rau, Kuang-Wen Liu, Ben-Chang Shia, **Wei-Shan Chang**, Hao-Yun Liang, Meng-Che Hsieh, Association between sidedness and survival among chemotherapy refractory metastatic colorectal cancer patients treated with trifluridine/tipiracil or

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regorafenib, *The Oncologist*, 2024, oyae235 (**SCI, Oncology, IF=4.8, Rank=70/322(Q1), 2023 JCR**).

4. Ting-Yu Huang, Shi-Chen Ou, Wei-Te Huang, Yu-Chuan Lin, Hao-Hsiu Hung, Chin-Wei Chang, Kai-Yuan Hsiao, Yi-Wei Kao, Chien-Hua Wu, **Wei-Shan Chang**, Ben-Chang Shia, Sheng-Teng Huang (2024). Validation of the constitution in Chinese medicine questionnaires with the newly developed blood-vacuity category: a rare Taiwanese case study. *Advances in Traditional Medicine*, 1-9.
5. Pao-Chun Lin, **Wei-Shan Chang**, Kai-Yuan Hsiao, Hon-Man Liu, Ben-Chang Shia, Ming-Chih Chen, Po-Yu Hsieh, Tseng-Wei Lai, Feng-Huei Lin, Che-Cheng Chang (2024). Development of a Machine Learning Algorithm to Correlate Lumbar Disc Height on X-rays with Disc Bulging or Herniation. *Diagnostics*, 14(2), 134. (**SCIE, Medicine, IF=3.0, Rank=59/329(Q1), 2023 JCR**)
6. Wen-Teng Lee<sup>1</sup>, Yu-Wei Fang, **Wei-Shan Chang**, Kai-Yuan Hsiao, Ben-Chang Shia, Mingchih Chen, Ming-Hsien Tsai (2023). Data-driven, two-stage machine learning algorithm-based prediction scheme for assessing 1-year and 3-year mortality risk in chronic hemodialysis patients. *Scientific Reports*. (**SCI, Multidisciplinary Sciences, IF=4.6, Rank=22/73(Q2), 2022 JCR**)
7. Pei-Shih Weng, Yu-Jen Hsiao, Kai-Yuan Hsiao, **Wei-Shan Chang** (2023). Cost of health problems caused by stock market volatility: An empirical study in Taiwan. *Finance Research Letters*, 57, 104206. (**SSCI, FINANCE, IF=10.4, Rank=1/111(Q1), 2022 JCR**)

## Oral Presentations

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1. 30th ISSAT International conference on Reliability and Quality Design (Hawaii, USA): **The Impact of Chinese Herbal Medicine on Survival Outcomes and Clinical Associations in Lung Cancer Patients Receiving Targeted Therapy: A Nationwide Population-Based Study** 2025, Aug
2. The Fifth International Workshop on Statistical Analysis of Multi-Outcome Data (Salzburg, Austria): **Few-shot learning of Tabular Medical Records with Large Language Models** 2024, July
3. 28th ISSAT International conference on Reliability and Quality Design (San Francisco, USA): **Recommendation System Based on LLM and Collaborative Filtering** 2023, July
4. 2021 International Conference on Fintech, Medical Informatics and Data Analytics in Management and Innovation (Virtual): **Stroke Risk in Patients Undergoing Hemodialysis Receiving Home Care or Nursing Home Care: Analysis Using Gradient Boosting** 2021, June

## Honors & Awards

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### Fellowships

NSC Travel Grant for attending 30th ISSAT 2025.

NSC Travel Grant for attending 28th ISSAT 2023.