趙鴻昊

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部門/領域: 決策科學系

教育背景

2009.10 - 2014.07　**Ph.D.:** 香港城市大學，香港；系統工程與工程管理

　　　　　　　　　Master: 無

2005.09 - 2009.07　**BS:** 清華大學，北京；工業工程

工作經歷

2020.07 - 至今　　　澳門科技大學，商學院，副教授

2015.09 - 2020.06　澳門科技大學，商學院，助理教授

2013.11 - 2015.04　香港城市大學，研究助理

教學活動

數據挖掘, 大數據, 高級管理科學研究方法，等。

研究領域

數據挖掘，機器學習, 統計過程控製, 環境管理, 碳排放估計, 經融風險監控, 金融指數預測。

部分學術期刊論文

Chen, K.S., Zheng, L., **Zhao, H.H.***, Wang, Z.H. (2024). Deep Learning-Based Intelligent Diagnosis of Lumbar Diseases with Multi-Angle View of Intervertebral Disc. Mathematics, 12(13), 2062. (SCIE, IF(2023)=2.3, Q1, Ranking: 4.3%)

Luo, X.C., Liu, C.K., **Zhao, H.H.*** (2024). Modeling and Spatio-Temporal Analysis on CO_2 Emissions in the Guangdong-Hong Kong-Macao Greater Bay Area and Surrounding Cities Based on Neural Network and Autoencoder, Sustainable Cities and Society, Vol.103, 105254. (SCIE, IF(2022)=11.7, Q1, Ranking: 1.5%)

Luo, X.C., Liu, C.K., **Zhao, H.H.*** (2023). Driving factors and emission reduction scenarios analysis of CO_2 emissions in Guangdong-Hong Kong-Macao Greater Bay Area and surrounding cities based on LMDI and system dynamics, Science of the Total Environment, Vol. 870, 161966. (SCIE, IF(2021)=10.754, Q1, Ranking: 9.3%, **Highly Cited Paper**)

Zhao, H.H.*, Tang, H.J., Pang, C., Jiang, H.M. (2023). A Markov Chain Model for Approximating the Run Length Distributions of Poisson EWMA Charts under Linear Drifts, Mathematics, Vol. 10, 4786. (SCIE, IF(2021)= 2.592, Q1, Ranking: 6.3%)

Luo, X.C., **Zhao, H.H.*** (2021). Promotion Strategy of Policy against Food Waste (PAFW): The Perspective on Evolutionary Game between Local Government and Large Supermarkets, Complexity, Article Number: 6567902. (SCIE, IF(2020)=2.833, Q2, ranking: 28.7%)

Zhao, H.H.*, Luo, X.C., Ma, R., Lu, Xi. (2021). An Extended Regularized K-Means Clustering Approach for High-Dimensional Customer Segmentation with Correlated Variables, IEEE Access, 9: 48405-48412. (SCIE, IF(2019)=3.745, Q1, ranking: 22.4%)

Fu, Y., Yao, J.J., **Zhao, H.H.***, Zhao, G., Wan, Z.S. (2018). Forecast for Artificial Muscle Tremor Behavior Based on Dynamic Additional Grey Catastrophe Prediction. Applied Sciences-BASEL, 8(2): Article Number: 315. (SCIE, IF(2017)=1.689, Q3, ranking: 52.4%)

Ma, R., **Zhao, H.H.***, Zhou, L.G.. (2017). Predicting status of Chinese listed companies based on features selected by penalized regression. Journal of Systems Science and Systems Engineering, 26:475-486. (SCIE, IF(2016)=0.915, Q4, ranking: 75.3%)

Fan J.Y., Shu, L.J., **Zhao, H.H.**, Yeung H.F. (2017). Monitoring multivariate process variability via eigenvalues. Computers & Industrial Engineering, 113: 269-281. (SCIE, IF(2016)=2.623, Q1, ranking: 19.32%)

Zhao, H.H.*, Shu, L.J., and Tsui, K.-L. (2015). An Adaptive CUSUM Chart for Monitoring Poisson Rates with Increasing Population Sizes. European Journal of Industrial Engineering. 9: 692-715. (SCIE, IF(2014)=0.736, Q3, ranking: 70.93%)

Zhao, H.H.*, Shu, L.J., and Tsui, K.-L. (2015). A Window-Limited Generalized Likelihood Ratio Test for Monitoring Poisson Processes with Linear Drifts. Journal of Statistical Computation and Simulation. 85: 2975-2988. (SCIE, IF(2014)=0.635, Q3, ranking: 70.9%)

Jiang, W., Shu, L.J., **Zhao, H.H.**, and Tsui, K.-L. (2013), CUSUM Procedures for Health Care Surveillance. Quality and Reliability Engineering International, 29: 883–897. (SCIE, IF(2012)=0.680, Q3, ranking: 51.67%)

部分學術研討會論文

Zhao, H.H., Shu, L.J., Jiang, W., and Tsui, K.-L. A Comparison of Detection Probability of CUSUM Procedures under Increasing Population Sizes. Biomedical Engineering and Biotechnology (iCBEB), 2012, Macau.

科研項目

2024	Carbon Emissions Estimation and Spatio-Temporal Analysis on CO_2 Emissions and Driving Factors in the Guangdong-Hong Kong-Macao Greater Bay Area and Surrounding Cities Based on Deep Learning Autoencoder. 澳門基金會，200,000 mop。**主持。**
2020-2022	Research and Application of Cross border Logistics Traceability Management System for Goods Based on Memory Blockchain Technology (2020A0505090004). 廣東省科技廳，1,000,000 RMB。項目成員。
2019-2020	The Prediction of Repayment Behavior in P2P Lending Based on Optimized XGBoost Methods through Genetic Algorithm. FRG, 澳門科技大學基金會，30,000 mop。**主持。**

2017-2018   The Prediction of Statuses of Chinese Listed Companies Based on Data Mining Methods with Regularization Approaches. FRG, 澳門科技大學基金會，30,000 mop。**主持。**

教學成果

2023/2024   教學成果獎一等獎，"An Assurance of Learning (AoL) System at the School of Business, MUST"。

2019/2020   教學成果獎二等獎，awarded achievement "Outcome-based Trinity Supply Chain Management Course Teaching Plan"。