

Shaoze Cui

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E-Mail: shaoze-cui@foxmail.com

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Institute of Information & Decision Technology
School of Economics and Management, E309
Dalian University of Technology
Dalian City, China, 116024

RESEARCH INTERESTS

- Healthcare analytics (predictive modeling)
- Emergency analytics (casualty prediction)
- Machine learning (ensemble learning, unbalanced data)
- Intelligent optimization algorithm (Firefly algorithm, Particle swarm optimization, etc.)
- Natural language processing & Deep learning

EDUCATION

Visiting student

2021.03 - 2022.01

National University of Singapore,
Saw Swee Hock School of Public Health,
Healthcare AI Lab
Supervisor: Mengling Feng

Ph.D. Candidates

2018.09 - present

Dalian University of Technology,
School of Economics and Management
Supervisor: Yanzhang Wang

M.S.

2016.09 - 2019.06

Dalian University of Technology,
School of Economics and Management
Supervisor: Yanzhang Wang

B.S.

2012.09 - 2016.06

China University of Geosciences,
School of Economics and Management

RESEARCH PAPERS

1. Huaxin Qiu, **Shaoze Cui*** (Joint first authors), Sutong Wang, et al. “A Clustering-based Optimization Method for the Driving Cycle Construction: A case study in Fuzhou and Putian, China”. *IEEE Transactions on Intelligent Transportation Systems*, Accept. (IF: 6.492)
2. **Shaoze Cui***, Huaxin Qiu, Sutong Wang, Yanzhang Wang. “Two-stage stacking heterogeneous ensemble learning method for gasoline octane number loss prediction”. *Applied Soft Computing*, 2021, 113: 107989. (IF: 6.725)
3. **Shaoze Cui**, Yanzhang Wang, Dujuan Wang* , et al. “A two-layer nested heterogeneous ensemble learning predictive method for COVID-19 mortality”. *Applied Soft Computing*, 2021, 113: 107946. (IF: 6.725)
4. Ning Wang, Senyao Zhao, **Shaoze Cui***, Weiguo Fan. “A hybrid ensemble learning method for the identification of gang-related arson cases”. *Knowledge-Based Systems*, 2021, 218: 106875. (IF: 8.038)
5. **Shaoze Cui**, Yanzhang Wang, Yunqiang Yin, T.C.E. Cheng, Dujuan Wang*, Mingyu Zhai. “A cluster-based intelligence ensemble learning method for classification problems”. *Information Sciences*, 2021, 560: 386-409. (IF: 6.795)
6. **Shaoze Cui**, Dujuan Wang*, Yunqiang Yin, Zhiwu Li, Yanzhang Wang. “A stacking-based ensemble learning method for earthquake casualty prediction”. *Applied soft computing*, 2021, 101: 107038. (IF: 6.725)
7. Yi Feng, **Shaoze Cui***. “A review of emergency response in disasters: Present and future perspectives”. *Natural Hazards*, 2021, 105(1): 1109-1138. (IF: 3.102)
8. Yin Zhang*, **Shaoze Cui**, Huiying Gao. “Adverse drug reaction detection on social media with deep linguistic features”. *Journal of Biomedical Informatics*, 2020, 106: 103437. (IF: 6.317)
9. **Shaoze Cui***, Senyao Zhao, and Yanzhang Wang. “Risk prediction method for readmission patients based on ADASYN-IFA-Stacking”. *Systems Engineering – Theory & Practice*, accept. (EI, CSSCI, in Chinese)
10. **Shaoze Cui**, Huaxin Qiu*, and Sutong Wang. "Research on urban talent attraction evaluation model – Example of Shenzhen city", *Science Research Management*, accept. (CSSCI, in Chinese)
11. Xianda Guo, Narisa Zhao*, and **Shaoze Cui**. "Consumer reviews sentiment analysis based on CNN-BiLSTM". *Systems Engineering – Theory & Practice*,

* Corresponding author

2020, 40 (3): 653-663. (EI, CSSCI, in Chinese)

12. Qiuyan Zhong*, Chen Li, and **Shaoze Cui**. "Task recommendation method based on the influencing factors of crowdsourcing contest participating willingness", *Systems Engineering – Theory & Practice*, 2018, 38 (11): 2954-2965. (EI, CSSCI, in Chinese)
13. **Shaoze Cui**, Dujuan Wang*, Yanzhang Wang, Pay-Wen Yu, and Yaochu Jin. "An Improved Support Vector Machine-based Diabetic Readmission Prediction", *Computer Methods and Programs in Biomedicine*, 2018, 166: 123-135.
14. **Shaoze Cui**, Dujuan Wang*, Sutong Wang, Jiangnan Xia, Yanzhang Wang, and Yaochu Jin. "Prostate Cancer Diagnosis Method Based on GMM-RBF Neural Network", *Journal of Management Science*, 2018, 31 (1): 33-47. (CSSCI, in Chinese)

Papers under review

1. Ruize Gao, **Shaoze Cui (Joint first authors)**, Weiguo Fan, et al. "Forecasting daily stock index movement integrating sentiments of multiple news providers: a deep learning approach based on ER ensemble rule". -- *Information Sciences*, **2nd round review (JCR-Q1)**
2. Ruize Gao, **Shaoze Cui* (Joint first authors)**, Yu Wang, Weiguo Fan. "An ensemble learning method combined with intelligent optimization for class-imbalanced financial distress prediction". -- *Knowledge-Based Systems*, **1st round review (JCR-Q1)**
3. **Shaoze Cui**, Yi Feng, Mengling Feng. "Unplanned readmission prediction: A systematic review and bibliometric analysis". -- *Journal of the American Medical Informatics Association*, **1st round review (JCR-Q1)**
4. **Shaoze Cui**, Dujuan Wang, Yunqiang Yin, et al. "Carbon trading price prediction method based on two-stage adaptive ensemble learning". -- *Annals of Operations Research*, **2nd round review (JCR-Q1, ABS 3*)**

HONORS AND AWARDS

- China National Scholarship, 2021
- China Scholarship Council (CSC) Scholarship, 2020
- "Huawei Cup" 17th China post-graduate mathematical contest in modeling, First prize, China, 2020
- "Huawei Cup" 16th China post-graduate mathematical contest in modeling, Second prize, China, 2019

- The 3rd Liaoning Province post-graduate mathematical contest in modeling, First prize, China, 2019

SERVICES AND ASSOCIATIONS

- Journal referee
 - Annals of Operations Research (JCR Q1, ABS 3*)
 - Sustainable Cities and Society (JCR Q1)
 - Expert Systems with Applications (JCR Q1)
 - Artificial Intelligence in Medicine (JCR Q1)
 - Computers in Biology and Medicine (JCR Q1)
 - Scientific Reports (JCR Q1)
 - PLOS ONE (JCR Q1)
 - Complex & Intelligent Systems (JCR Q2)
- Conference referee
 - The 22nd IEEE International Conference on High Performance Computing and Communications (HPCC-22)
 - The 11th International Conference on Intelligent Control and Information Processing (ICICIP 2021)
- Program committee of conference
 - 11th International Conference on Information Science and Technology (ICIST 2021)

SKILLS

- *Computer Languages:* R, Python, Matlab
- *Statistics Analysis Software:* R, SPSS
- *Business Analytics Software:* Weka
- *Special Software:* UCINet, Pajek, Gephi