

Computing and Technology

Sayenju, S., Aygun, R., Boardman, J., Don, D. P. R., Zhang, Y., Franks, B., ... & Modgil, G. (2022). Quantification and Mitigation of Directional Pairwise Class Confusion Bias in a Chatbot Intent Classification Model. *International Journal of Semantic Computing*, 1-24. [Link](#)

Sayenju, S., Aygun, R., Boardman, J., Don, D. P. R., Zhang, Y., Franks, B., ... & Modgil, G. (2022). Directional Pairwise Class Confusion Bias and Its Mitigation. In 2022 IEEE 16th International Conference on Semantic Computing (ICSC) (pp. 67-74). IEEE. [Link](#)

Kota, J.S. & Karakaya, M. (2022) Improving Off-angle Iris Recognition using Iris Quadrant Masking. *SoutheastCon 2022*, pp. 619-625, doi: 10.1109/SoutheastCon48659.2022.9764073. [Link](#)

Zhou, Y., Han, M., He, J., Liu, L., Xu, X., & Gau, X., (2020). Abnormal Activity Detection in Edge Computing: A Transfer Learning Approach. *2020 International Conference on Computing, Networking and Communications (ICNC)*. [Link](#)

Liu, L., Han, M., Zhou, Y., Parizi, R.M., Korayem, M. (2020). Blockchain-Based Certification for Education, Employment, and Skill with Incentive Mechanism. In: Choo, KK., Dehghantanha, A., Parizi, R. (eds) *Blockchain Cybersecurity, Trust and Privacy. Advances in Information Security*, vol 79. Springer, Cham. [Link](#)

Liu, L., Priestley, J.L., Zhou, Y., Ray, H.E., Han, M., (2019). A2Text-Net: A Novel Deep Neural Network for Sarcasm Detection. *2019 IEEE First International Conference on Cognitive Machine Intelligence (CogMI)*. [Link](#)

Zhou, Y., Han, M., Liu, L., He, J., Gao, X., (2019). The Adversarial Attacks Threats on Computer Vision: A Survey. *2019 IEEE 16th International Conference on Mobile Ad Hoc and Sensor Systems Workshops (MASSW)*. [Link](#)

Masum, M., & Shahriar, H. (2019). Droid-NNet: Deep Learning Neural Network for Android Malware Detection. *Proceedings of IEEE Big Data 2019*.

Kosaraju, S., Masum, M., Tsaku, N., Patel, P., Bayramoglu, T., Modgil, G., & Kang, M. (2019). DoT-Net: Document Layout Classification Using Texture-based CNN. *Proceedings of the 2019 International Conference on Document Analysis and Recognition (ICDAR)*.

Zhang, L. (2019). Improving Logistic Regression on Imbalanced Data by A Novel Penalized Log-Likelihood Function. *Proceedings of the 2019 INFORMS Annual Meeting*.

Rudd, J. (2019). Normalization Strategies and Development for Improved NCAA Basketball Tournament Predictions. *In Proceedings of the 2019 INFORMS Annual Meeting*

Computing and Technology

Liu, L., Han M., Zhou Y., & Parizi, R. (2019). E2C-Chain: A Two-Stage Incentive Education and Employment Certification Blockchain. *Proceedings of 2019 IEEE International Conference on Blockchain*. [Link](#)

Zhang, L., Ray, H., Priestley, J., & Tan, S. (2019). A Descriptive Study of Variable Discretization and Cost-Sensitive Logistic Regression on Imbalanced Credit Data. *Journal of Applied Statistics*, 1-14. Article. DOI: 10.1080/02664763.2019.1643829. [Link](#)

Wang, Y. & Ni, X. (2019). Predicting Class-Imbalanced Business Risk Using Resampling, Regularization, and Model Ensembling Algorithms. *International Journal of Managing Information Technology*, 2019, 11(1), pp. 1-15. [Link](#)

Liu, L., & Han, M. (2019). Privacy and Security Issues in the 5G-enabled Internet of Things. *Chapter in 5G-Enabled Internet of Things*. CRC Press. [Link](#)

Kim, Y., Park, J., Hao, J., Mallavarapu, T., & Kang, M. (2019). Hi-LASSO: High-Dimensional LASSO. *IEEE Access Vol. 7*. [Link](#)

Zhang, L., (2019). A Novel Penalized Log-likelihood Function for Class Imbalance Problem. Three Minutes Thesis Competition, Kennesaw State University. [Link to video](#)

Le, L., & Xie, Y. (2019). Deep Embedding Kernel. *Neurocomputing (pp. 292-302), Elsevier., Volume 339, ISSN 0925-2312*. [Link](#)

Wang, Y., & Ni, X. (2019). Developing and Improving Risk Models Using Machine-Learning Based Algorithms. *Proceeding of the 2019 ACM Southeast Conference*, pp. 281-282, 2019. [Link](#)

Xie, Y., & Le, L. (2019). Dual Deep Learning Architecture for Machine Learning System. *U.S. Patent Application Number 16/141,152* [Link](#)

Zhang, L., Priestley, J., DeMaio, J., & Ni, X. (2019). A Product Affinity Customer Segmentation Framework. *KSU Digital Commons*. [Link](#)

Wang, Y., & Ni, X. (2019). A Xgboost Risk Model via Feature Selection and Bayesian Hyperparameter Optimization. *International Journal of Database Management Systems*, 2019, 11(1), pp. 1-17. [Link](#)

Wang, Y., Ni, X., & Priestley, J. (2019). Improving Risk Modeling Via Feature Selection, Hyperparameter Adjusting, and Model Ensembling. *Global Journal of Economics and Finance*, 2019, 3(1), pp. 30-47. [Link](#)

Computing and Technology

Zhang, L., Ray, H., Tan, S. (2018). A Descriptive Study of Variable Discretization and Cost-Sensitive Logistic Regression on Imbalanced Credit Data. *Journal of Applied Statistics*. DOI: 10.1080/02664763.2019.1643829 [Link](#)

Joshi, A.P., Han, M., & Wang, Y. (2018). A Survey on Security and Privacy Issues of Blockchain Technology. *Mathematical Foundations of Computing* 1(2), pp. 212-147. DOI: 10.3934/mfc.2018007 [Link](#)

Wang, Y., Ni, X., & Stone, B. (2018). A Two-stage Hybrid Model by Using Artificial Neural Networks as Feature Construction Algorithms. *International Journal of Data Mining & Knowledge Management Process (IJDKP)*. [Link](#)

Shah, L., Hao, J., Rodriguez, C.A., Fallin, R., Linenberger-Cortes, K., Ray, H.E., & Rushton, G.T. (2018). An Analysis of Praxis® Physics Subject Assessment Examinees and Performance: Who Are Our Prospective Physics Teachers? *Physical Review Physics Education Research*. [Link](#)

Wang, Y., Ni, X., & Stone, B. (2018). An Automatic Interaction Detection Hybrid Model for Bankcard Response Classification, *Proceedings of the 5th International Conference on Systems and Informatics (ICSAI)* [Link](#)

Masum, M., Kosaraju, S., Bayramoglu, T., Modgil, G., & Kang, M. (2018). Automatic Knowledge Extraction from OCR documents Using Hierarchical Document Analysis. *Proceedings of the 2018 Conference on Research in Adaptive and Convergent Systems*. [Link](#)

Mandalapu, S., Wang, Y., Ni, X. (2018). Building Neural Network Model in Base SAS® (From Scratch). *SAS Conference Proceedings: Southeast SAS Users Group 2018 (SESUG)*. [Link](#)

Zhang, L., Priestley, J., Ni, X. (2018). Comparison of Bankruptcy Prediction Models with Public Records and Firmographics. *Proceedings of the International Conference on Data Mining & Knowledge Management Process*. DOI: 10.5121/csit.2018.80309. [Link](#)

Zhou, Y., Han, M., Liu, L., He, J., Wang, Y. (2018). Deep Learning Approach for Cyberattack Detection. *Proceedings of 2018 IEEE Conference on Computer Communications Workshops*. [Link](#)

Xie, Y., Le, L., Zhou, Y., & Raghavan, V.V. (2018). Deep Learning for Natural Language Processing. *Handbook of Statistics, Vol. 38 Elsevier*. [Link](#)

Le, L., Xie, Y., & Raghavan, V.V. (2018). Deep Similarity-Enhanced K Nearest Neighbors. *Proceedings of 2018 IEEE International Conference on Big Data*. [Link](#)

Computing and Technology

Han, M., Miao, D., Wang, J., & Liu, L. (2018). Defend the Clique-based Attack for Data Privacy. *International Conference on Combinatorial Optimization and Applications*, pp. 262-280. [Link](#)

Gadidov B. & Priestley J. L. (2018). Does Yelp Matter? Analyzing (and Guide to Using) Ratings for a Quick Serve Restaurant Chain. In *Srinivasan S. (Eds.), Studies in Big Data: Vol. 26. Guide to Big Data Applications (pp. 503-522)*. [Link](#)

Henshaw A., Staples, L., & DeMaio, J. (2018). Graph Visualization for PROC OPTGRAPH. *SAS Conference Proceedings: Southeast SAS Users Group 2018 (SESUG)*. [Link](#)

Zhou, Y., Han, M., Liu, L. Wang, Y., Liang, Y., & Tian, L. (2018). Improving IoT Services in Smart-Home Using Blockchain Smart Contract. In *Proceedings of the 2018 IEEE International Conference on Internet of Things*. [Link](#)

Zhang, L., Priestley, J., & Ni, X. (2018). Influence of the Event Rate on Discrimination Abilities of Bankruptcy Prediction Models. *International Journal of Database Management Systems*. [Link](#)

Vanderheyden, B., & Xie, Y. (2018). Ordinal Hyperplane Loss. In *Proceedings of the 2018 IEEE International Conference on Big Data*. [Link](#)

Le, L., and Xie, Y. (2018). Recurrent Embedding Kernel for Predicting Stock Daily Direction. In *Proceedings of the 2018 IEEE/ACM 5th International Conference on Big Data Computing Applications and Technologies*. [Link](#)

Shah, L., Hao, J., Schneider, J., Fallin, R., Linenberger-Cortes, K., Ray, H.E., & Rushton, G.T. (2018). Repairing Leaks in the Chemistry Teacher Pipeline: A Longitudinal Analysis of Praxis® Chemistry Subject Assessment Examinees and Scores. *Journal of Chemical Education*. [Link](#)

Liu, L., Han, M., Wang, Y., Zhou, Y. (2018), Understanding Data Breach: A Visualization Aspect. *International Conference on Wireless Algorithms, Systems, and Applications*, pp. 883-892. [Link](#)

Rudd, J. M., & Priestley, J. L. (2017). A Comparison of Decision Tree with Logistic Regression Model for Prediction of Worst Non-Financial Payment Status in Commercial Credit. *KSU Digital Commons*. [Link](#)

Zhang, L., Xie, Y., & Liu, G. (2017). A Sentiment-Change-Driven Event Discovery System. *Proceedings of the 2017 International Conference on Web Intelligence*. DOI: 10.1145/3106426.3109038. [Link](#)

Y. Xie, L. Le, J. Hao. (2017). Unsupervised Deep Kernel for High Dimensional Data. *Proceedings of 2017 International Joint Conference on Neural Networks*. [Link](#)

Computing and Technology

Le, L. & Priestley, J. (2017). Using the OPTGRAPH Procedure: Transformation of Transactional Data into Graph for Cluster Analysis. *In Proceedings of the 2017 SAS Global Forum*. [Link](#)

Xie, Y., Pooja, C., & Le, L. (2017). Visualization of High Dimensional Data in a Three-Dimensional Space. *In Proceedings of the 3rd IEEE/ACM International Conference on Big Data Computing, Applications and Technologies*. [Link](#)

Le, L., Hao, J., Xie, Y., & Priestley, J. (2016). Deep Kernel: Learning the Kernel Function from Data Using Deep Neural Network. *In Proceedings of the 3rd IEEE/ACM International Conference on Big Data Computing, Applications and Technologies*. DOI:10.1145/3006299.3006312. [Link](#)

Hao, J., & Godbole, A. (2016). Distribution of the Maximum and Minimum of a Random Number of Bounded Random Variables. *Open Journal of Statistics, 2016, 6, 274-285*. DOI: 10.4236/ojs.2016.62023. [Link](#)

Vanderheyden, B., & Priestley, J. (2016). Logistic Ensemble Models. *In Proceedings of the 30th Annual Conference of the International Academy of Business Disciplines*. [Link](#)

Godbole, A., & Hao, J. (2016). Telescoping Sums, Permutations, and First Occurrence Distributions. *The Mathematical Scientist, 2016, 41(2), 75-83*. [Link](#)