References

Adadi, A., & Berrada, M. (2018). Peeking Inside the Black-Box: A Survey on Explainable Artificial Intelligence (XAI). *IEEE Access*, *6*(52), 138–160. https://doi.org/10.1109/access.2018.2870052

Anowar, F., & Sadaoui, S. (2020). Incremental Neural-Network Learning for Big Fraud Data. *2020 IEEE International Conference on Systems, Man, and Cybernetics (SMC)*, *1*(1), 1–4. https://doi.org/10.1109/smc42975.2020.9283136

Batageri, A., & Kumar, S. (2021). Credit card fraud detection using artificial neural network. *Global Transitions Proceedings*, *2*(1), 35–41. https://doi.org/10.1016/j.gltp.2021.01.006

Dal Pozzolo, A., Caelen, O., Le Borgne, Y.-A., Waterschoot, S., & Bontempi, G. (2014). Learned lessons in credit card fraud detection from a practitioner perspective. *Expert Systems with Applications*, *41*(10), 4915–4928. https://doi.org/10.1016/j.eswa.2014.02.026

ElShawi, R., Sherif, Y., Al‐Mallah, M., & Sakr, S. (2020). Interpretability in healthcare: A comparative study of local machine learning interpretability techniques. *Computational Intelligence*, *37*(4), 1633–1650. https://doi.org/10.1111/coin.12410

Guidotti, R., Monreale, A., Giannotti, F., Pedreschi, D., Ruggieri, S., & Turini, F. (2019). Factual and counterfactual explanations for black box decision making. *IEEE Intelligent Systems*, *34*(6), 14–23. https://doi.org/10.1109/mis.2019.2957223

Lundberg, S. M., & Lee, S.-I. (2017). A Unified Approach to Interpreting Model Predictions. In *Advances in Neural Information Processing Systems 30 (NIPS 2017)* (Vol. 30). essay, NeurIPS Proceedings.

Priscilla, C. V., & Prabha, D. P. (2020). Influence of optimizing xgboost to handle class imbalance in credit card fraud detection. *2020 Third International Conference on Smart Systems and Inventive Technology (ICSSIT)*, 1309–1315. https://doi.org/10.1109/icssit48917.2020.9214206

Psychoula, I., Gutmann, A., Mainali, P., Lee, S. H., Dunphy, P., & Petitcolas, F. (2021). Explainable Machine Learning for Fraud Detection. *Computer*, *54*(10), 49–59. https://doi.org/10.1109/mc.2021.3081249

Ribeiro, M. T., Singh, S., & Guestrin, C. (2016). "why should I trust you?" Explaining the Predictions of Any Classifier. *Proceedings of the 22nd ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*, 1135–1144. https://doi.org/10.1145/2939672.2939778

Sharma, A., & Bathla, N. (2020). *Review on Credit Card Fraud Detection and Classification by Machine Learning and Data Mining Approaches*, *6*(4), 687–692. Retrieved from https://www.semanticscholar.org/paper/Review-on-credit-card-fraud-detection-and-by-and-Sharma-Bathla/b6c839cadb4c6281a934a8788fec93d5482e6af4.

Sharma, P., & Priyanka, S. (2020). Credit card fraud detection using Deep Learning based on neural network and auto encoder. *International Journal of Engineering and Advanced Technology*, *9*(5), 1140–1143. https://doi.org/10.35940/ijeat.e9934.069520

Sinanc, D., Demirezen, U., & Sağıroğlu, Ş. (2021). Explainable Credit Card Fraud Detection with Image Conversion. *ADCAIJ: Advances in Distributed Computing and Artificial Intelligence Journal*, *10*(1), 63–76. https://doi.org/10.14201/adcaij20211016376 A new explainable artificial intelligence approach is ... presented. In this way, feature relationships that have a dominant effect on fraud detection are revealed.

Vilone, G., & Longo, L. (2021). A quantitative evaluation of global, rule-based explanations of Post-Hoc, model agnostic methods. *Frontiers in Artificial Intelligence*, *4*. https://doi.org/10.3389/frai.2021.717899

Vilone, G., & Longo, L. (2021). Classification of explainable artificial intelligence methods through their output formats. *Machine Learning and Knowledge Extraction*, *3*(3), 615–661. https://doi.org/10.3390/make3030032

Vilone, G., & Longo, L. (2021). Notions of explainability and evaluation approaches for Explainable Artificial Intelligence. *Information Fusion*, *76*, 89–106. https://doi.org/10.1016/j.inffus.2021.05.009