References

- [1] B. K. Josh Kamps, "To the moon: defining and detecting cryptocurrency pump-and-dumps," *Crime Science*, pp. 1-18, 2018.
- [2] T. B. M. V. Naftali Cohen, "Trading via Image Classification," 2019.
- [3] A. Rosic, "What is Cryptocurrency? [Everything You Need To Know!]," BlockGeeks, [Online]. Available: https://blockgeeks.com/guides/what-is-cryptocurrency/.
- [4] L. V. G. S. P. A. Pankaj Malhotra, "Long Short Term Memory Networks for Anomaly Detection in Time Series," in 23rd European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning, ESANN, Bruges, Belgium, 2015.
- [5] Z. W. T. Oates, "Encoding Time Series as Images for Visual Inspection and Classification Using Tiled Convolutional Neural Networks," in 29th AAAI Conference on Artificial Intelligence, 2015.
- [6] S. A.-E.-H. F. M. Mehrnoosh Mirtaheri, *Identifying and Analyzing Cryptocurrency Manipulations in Social Media*, IEEE, 2021.
- [7] L. C. W. S. Hadi Mansourifar, *Hybrid Cryptocurrency Pump and Dump Detection*, Texas: arXiv.org, 2020.
- [8] P. T. a. S. T. Teema Leangarun, "Stock Price Manipulation Detection Based on Mathematical Models," *International Journal of Trade, Economics and Finance*, Vols. Vol. 7, No. 3, June 2016.
- [9] B. L. Jiahua Xu, "The Anatomy of a Cryptocurrency Pump-and-Dump Scheme," in *28th USENIX Security Symposium*, Santa Clara, CA, USA, 2019.
- [10] M. Zaki, D. Diaz and B. Theodoulidis, "Financial Market Service Architectures: A "Pump and Dump" Case Study," in *2012 Annual SRII Global Conference*, San Jose, CA, USA, 2012.
- [11] D. S. B. W. Tao Li, Cryptocurrency Pump-and-Dump Schemes, SSRN, 2018 Oct.
- [12] L. C. W. S. Hadi Mansourifar, "Hybrid Cryptocurrency Pump and Dump Detection," *Computer Science Artificial Intelligence Cornell University*, 2020.
- [13] F. V. a. T. Hagemann, "Cryptocurrency Pump and Dump Schemes: Quantification and Detection," in *IEEE*, 2019., Beijing, China, 2019.
- [14] A. M. F. S. J. S. Massimo La Morgia, "Pump and Dumps in the Bitcoin Era: Real Time Detection of Cryptocurrency Market Manipulations," in *ieeexplore.ieee.org*, 2020.

- [15] F. Z. W. M. Ruinan Zhang, "Sequential Behavioral Data Processing Using Deep Learning and the Markov Transition Field in Online Fraud Detection," in KDD, 2018, London, UK, 2018.
- [16] Y. G. a. J. D. Nima Hatami, "Classification of Time-Series Images Using Deep Convolutional Neural Networks," in *ICMV 2017*, France, 2017.
- [17] Z.-X. C. a. C.-Y. Y. Chao-Lung Yang, "Sensor Classification Using Convolutional Neural Network by Encoding Multivariate Time Series as Two-Dimensional Colored Images," *Advances in Intelligent Single/Multiple Sensing Systems and Applications*, p. 15, 2019.
- [18] Y.-C. T. Jun-Hao Chen, "ENCODING CANDLESTICKS AS IMAGES FOR PATTERN CLASSIFICATION USING CONVOLUTIONAL NEURAL NETWORKS," in *Financial Innovation, Springer*, 2020.
- [19] P. C. a. J. B. Stan Salvador, "Learning States and Rules for Time Series Anomaly Detection," in *FLAIRS conference*, 2004.
- [20] F. Victor and T. Hagemann, "Cryptocurrency Pump and Dump Schemes: Quantification and Detection," in *IEEE*, Beijing, China, 2019.
- [21] P. S. Foundation, "pyts," pyts, 2021. [Online]. Available: https://pypi.org/project/pyts/.
- [22] Binance, "python-binance," Binancae, 2017. [Online]. Available: https://python-binance.readthedocs.io/en/latest/overview.html.
- [23] D. F. Silva, V. M. D. Souza and G. E. Batista, "Time Series Classification Using Compression Distance of Recurrence Plots," in *2013 IEEE 13th International Conference on Data Mining*, Dallas, TX, USA, 2013.
- [24] K. W. B. L. O. H. W. P. K. N. V. Chawla, "SMOTE Synthetic Minority Oversampling Technique," *Journal of Artificial Intelligence Research*, vol. Volume 16, 2002.
- [25] A. Z. K. Simonyan, "Very Deep Convolutional Networks for Large-Scale Image Recognition," *ICLR 2015*, 2015.
- [26] Y. G. a. J. D. Nima Hatami, "Classification of Time-Series Images Using Deep Convolutional Neural Networks," in *Tenth International Conference on Machine Vision*, Vienna, Austria, 2017.
- [27] X. Z. S. R. J. S. Kaiming He, "Deep Residual Learning for Image Recognition," in *The IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2016, 2016.
- [28] M. C. R. M. T. J. K. Norbert Marwan*, "Recurrence plots for the analysis of complex systems," in *Nonlinear Dynamics Group, Institute of Physics, University of Potsdam, Germany*, 2006.