

References

- [1] A. F. Ihsan and W. Astuti, "Deep learning based anomaly detection on natural gas pipeline operational data," in *2022 2nd International Conference on Intelligent Cybernetics Technology & Applications (ICICyTA)*, IEEE, Dec. 2022, pp. 228–233. doi: 10.1109/ICICyTA57421.2022.10037988.
- [2] S. Lin, R. Clark, R. Birke, S. Schonborn, N. Trigoni, and S. Roberts, "Anomaly detection for time series using VAE-LSTM hybrid model," in *ICASSP 2020 - 2020 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, IEEE, May 2020, pp. 4322–4326. doi: 10.1109/ICASSP40776.2020.9053558.
- [3] S. Schmidl, P. Wenig, and T. Papenbrock, "Anomaly detection in time series: a comprehensive evaluation," in *Proceedings of the VLDB Endowment, VLDB Endowment, 2022*, pp. 1779–1797. doi: 10.14778/3538598.3538602.
- [4] F. Kadri, F. Harrou, S. Chaabane, Y. Sun, and C. Tahon, "Seasonal ARMA-based SPC charts for anomaly detection: application to emergency department systems," *Neurocomputing*, vol. 173, pp. 2102–2114, Jan. 2016, doi: 10.1016/j.neucom.2015.10.009.
- [5] H. Zare Moayed and M. A. Masnadi-Shirazi, "Arima model for network traffic prediction and anomaly detection," in *2008 International Symposium on Information Technology*, IEEE, 2008, pp. 1–6. doi: 10.1109/ITSIM.2008.4631947.
- [6] Y. Jin, C. Qiu, L. Sun, X. Peng, and J. Zhou, "Anomaly detection in time series via robust PCA," in *2017 2nd IEEE International Conference on Intelligent Transportation Engineering (ICITE)*, IEEE, Sep. 2017, pp. 352–355. doi: 10.1109/ICITE.2017.8056937.
- [7] T. Yairi, Y. Kato, and K. Hori, "Fault detection by mining association rules from house-keeping data," *St-Hubert*, 2001.
- [8] S. Ramaswamy, R. Rastogi, and K. Shim, "Efficient algorithms for mining outliers from large data sets," in *Proceedings of the 2000 ACM SIGMOD international conference on Management of data*, New York, NY, USA: ACM, May 2000, pp. 427–438. doi: 10.1145/342009.335437.
- [9] N. Chen, H. Tu, X. Duan, L. Hu, and C. Guo, "Semisupervised anomaly detection of multivariate time series based on a variational autoencoder," *Applied Intelligence*, Jul. 2022, doi: 10.1007/s10489-022-03829-1.
- [10] S. Chauhan and L. Vig, "Anomaly detection in ECG time signals via deep long short-term memory networks," in *2015 IEEE International Conference on Data Science and Advanced Analytics (DSAA)*, IEEE, Oct. 2015, pp. 1–7. doi: 10.1109/DSAA.2015.7344872.
- [11] H. Song, Z. Jiang, A. Men, and B. Yang, "A hybrid semi-supervised anomaly detection model for high-dimensional data," *Comput Intell Neurosci*, vol. 2017, pp. 1–9, 2017, doi: 10.1155/2017/8501683.
- [12] Z. Niu, K. Yu, and X. Wu, "LSTM-based VAE-GAN for time-series anomaly detection," *Sensors*, vol. 20, no. 13, p. 3738, Jul. 2020, doi: 10.3390/s20133738.
- [13] S.-H. Noh, "Analysis of gradient vanishing of RNNs and performance comparison," *Information*, vol. 12, no. 11, p. 442, Oct. 2021, doi: 10.3390/info12110442.
- [14] O. I. Provotar, Y. M. Linder and M. M. Veres, "Unsupervised anomaly detection in time series using LSTM-based autoencoders," *2019 IEEE International Conference on Advanced Trends in Information Theory (ATIT)*, Kyiv, Ukraine, 2019, pp. 513-517, doi: 10.1109/ATIT49449.2019.9030505.
- [15] J. Schneible and A. Lu, "Anomaly detection on the edge," *MILCOM 2017 - 2017 IEEE Military Communications Conference (MILCOM)*, Baltimore, MD, USA, 2017, pp. 678-682, doi: 10.1109/MILCOM.2017.8170817.