

REFERENCES

- [1] V. Chandola, A. Banerjee, and V. Kumar, “Anomaly detection,” *ACM Computing Surveys*, vol. 41, no. 3, pp. 1–58, Jul. 2009, doi: 10.1145/1541880.1541882.
- [2] C. Spence, L. C. Parra, and P. Sajda, *Detection, synthesis and compression in mammographic image analysis with a hierarchical image probability model*. 2002. doi: 10.1109/mmbia.2001.991693.
- [3] F. Belleau, M.-A. Nolin, N. Tourigny, P. Rigault, and J. Morissette, “Bio2RDF: Towards a mashup to build bioinformatics knowledge systems,” *Journal of Biomedical Informatics*, vol. 41, no. 5, pp. 706–716, Oct. 2008, doi: 10.1016/j.jbi.2008.03.004.
- [4] A. Vukotic, N. Watt, T. Abedrabbo, D. Fox, and J. Partner, *Neo4j in Action*. 2014. [Online]. Available: https://openlibrary.org/books/OL26837782M/Neo4j_in_Action
- [5] B. Shao, H. Wang, and Y. Li, *Trinity*. 2013. doi: 10.1145/2463676.2467799.
- [6] “Titan: Distributed graph database.” <http://thinkaurelius.github.io/titan> (accessed March 2, 2023).
- [7] A. G. Labouseur, J. Birnbaum, J. Olsen, Paul W., S. Spillane, J. Vijayan, J. H. Hwang, and W.-S. Han, “The G* graph database: efficiently managing large distributed dynamic graphs,” *Distributed and Parallel Databases*, vol. 33, no. 4, pp. 479–514, Mar. 2014, doi: 10.1007/s10619-014-7140-3.

- [8] M. Dayarathna and T. Suzumura, Towards Scalable Distributed Graph Database Engine for Hybrid Clouds. 2014. doi: 10.1109/datacloud.2014.9.
- [9] C. Lin *et al.*, "IBM system G Social Media Solution: Analyze multimedia content, people, and network dynamics in context," 2015 IEEE International Conference on Multimedia & Expo Workshops (ICMEW), Turin, 2015, pp. 1-4.
- [10] A. Deutsch, Y. Xu, M. Wu, and V. C. S. Lee, *Aggregation Support for Modern Graph Analytics in TigerGraph*. 2020. doi: 10.1145/3318464.3386144.
- [11] Z. Yao, P. Mark, and M. G. Rabbat, "Anomaly Detection Using Proximity Graph and PageRank Algorithm," *IEEE Transactions on Information Forensics and Security*, vol. 7, no. 4, pp. 1288–1300, Aug. 2012, doi: 10.1109/tifs.2012.2191963.
- [12] Ghosh and Reilly, *Credit card fraud detection with a neural-network*. 1994. doi: 10.1109/hicss.1994.323314.
- [13] D. Prusti, D. Das, and S. K. Rath, "Credit Card Fraud Detection Technique by Applying Graph Database Model," *Arabian Journal for Science and Engineering*, vol. 46, no. 9, pp. 1–20, May 2021, doi: 10.1007/s13369-021-05682-9.
- [14] "Impact of fraud." *Financial Crime Academy*.
<https://financialcrimeacademy.org/impact-of-fraud> (accessed April 27, 2023).
- [15] D. Wang *et al.*, *A Semi-Supervised Graph Attentive Network for Financial Fraud Detection*. 2019. doi: 10.1109/icdm.2019.00070.
- [16] L.-Y. Ho, J.-J. Wu, and P. Liu. Distributed graph database for largescale social computing. In *Cloud Computing (CLOUD)*, 2012 IEEE 5th International Conference on, pages 455 –462, june 2012.

- [17] A. Karunaratna et al., Scalable Graph Convolutional Network based Link Prediction on a Distributed Graph Database Server. 2020. doi: 10.1109/cloud49709.2020.00028.
- [18] B. Shao, H. Wang, and Y. Li, Trinity. 2013. doi: 10.1145/2463676.2467799.
- [19] A. Langville and C. Meyer, "A Note on the PageRank of Undirected Graphs," *Linear Algebra and Its Applications*, vol. 428, no. 7, pp. 1628-1634, 2008.
- [20] T. Schank and D. Wagner, "Finding, Counting and Listing All Triangles in Large Graphs, an Experimental Study," in *Lecture Notes in Computer Science*, Springer Science+Business Media, 2005, pp. 606–609. doi: 10.1007/11427186_54.
- [21] Y. Ding, S. Yan, Y. Zhang, W. Dai, and L. Dong, "Predicting the attributes of social network users using a graph-based machine learning method," *Computer Communications*, vol. 73, pp. 3–11, Jan. 2016, doi: 10.1016/j.comcom.2015.07.007.
- [22] H. Bunke, "Graph-Based Tools for Data Mining and Machine Learning," in Springer eBooks, 2007, pp. 7–19. doi: 10.1007/3-540-45065-3_2.
- [23] L. M. Page, S. Brin, R. Motwani, and T. Winograd, *The PageRank Citation Ranking: Bringing Order to the Web*, vol. 98. 1999, pp. 161–172. [Online]. Available: <http://dbpubs.stanford.edu:8090/pub/1999-66/>
- [24] M. Weber, J. Chen, T. Suzumura, *et al.* Scalable graph learning for anti-money laundering: A first look arXiv:1812.00076 , 2018, pp. 1-7.
- [25] "XGBoost" xgboost 1.7.5 documentation.
<https://xgboost.readthedocs.io/en/stable/index.html> (accessed April 20, 2023).

- [26] “NetworkX” NetworkX documentation. <https://networkx.org> (accessed April 28, 2023).
- [27] E. Lopez-Rojas, A. Elmir, and S. Axelsson, ‘Paysim : A financial mobile money simulator for fraud detection’, in 28th European Modeling and Simulation Symposium, EMSS 2016, 2016, pp. 249–255.
- [28] T. a. B. Snijders, “The degree variance: An index of graph heterogeneity,” *Social Networks*, vol. 3, no. 3, pp. 163–174, Jan. 1981, doi: 10.1016/0378-8733(81)90014-9.
- [29] T. Schank and D. Wagner, “Finding, Counting and Listing All Triangles in Large Graphs, an Experimental Study,” in *Lecture Notes in Computer Science*, Springer Science+Business Media, 2005, pp. 606–609. doi: 10.1007/11427186_54.
- [30] R. DeJordy and D. Halgin, *Introduction to Ego Network Analysis*, Boston MA, USA: Boston College Winston Center for Leadership & Ethics, 2008.
- [31] Y. Wu and L. Raschid, *ApproxRank: Estimating Rank for a Subgraph*. Institute of Electrical and Electronics Engineers, 2009. doi: 10.1109/icde.2009.108.
- [32] F. Karabiber. “Binary classification.” <https://www.learn datasci.com/glossary/binary-classification> (accessed July 4, 2023)
- [33] S. T. Bhosale, T. Patil, P. Patil. *SQLite: Light Database System*. *International Journal of Computer Science and Mobile Computing*, 2015, pp 882-885
- [34] “METIS” <https://github.com/KarypisLab/METIS> (accessed April 26, 2023).