

REFERENCES

- [1] H. Sung, J. Ferlay, R. L. Siegel, M. Laversanne, I. Soerjomataram, A. Jemal, and F. Bray, "Global cancer statistics 2020: Globocan estimates of incidence and mortality worldwide for 36 cancers in 185 countries," *CA: A Cancer Journal for Clinicians*, vol. 71, no. 3, pp. 209–249, Feb. 2021, doi: 10.3322/caac.21660.
- [2] A. Adiwijaya, "Deteksi kanker berdasarkan klasifikasi microarray data," *JURNAL MEDIA INFORMATIKA BUDIDARMA*, vol. 2, no. 4, p. 181, Oct. 2018, doi: 10.30865/mib.v2i4.1043.
- [3] H. S. Basavegowda and G. Dagneu, "Deep learning approach for microarray cancer data classification," *CAAI Transactions on Intelligence Technology*, vol. 5, no. 1, pp. 22–33, Jan. 2020, doi: 10.1049/trit.2019.0028.
- [4] A. Adiwijaya, U. N. Wisesty, E. Lisnawati, A. Aditsania, and D. S. Kusumo, "Dimensionality reduction using principal component analysis for cancer detection based on microarray data classification," *Journal of Computer Science*, vol. 14, no. 11, pp. 1521–1530, Nov. 2018, doi: 10.3844/jcssp.2018.1521.1530.
- [5] M. F. Kabir, T. Chen, and S. A. Ludwig, "A performance analysis of dimensionality reduction algorithms in machine learning models for cancer prediction," *Healthcare Analytics*, vol. 3, p. 100125, Nov. 2023, doi: 10.1016/j.health.2022.100125.
- [6] N. Priya and R. Rajeswari, "Advancing skin cancer prediction: A deep dive into hybrid PCA-Autoencoder," *International Journal of Intelligent Systems and Applications in Engineering*, vol. 12, pp. 442–449, Dec. 2023.
- [7] J. Li and H. Liu, "Kent ridge biomedical data set repository," 2002. [Online]. Available: <http://datam.i2r.a-star.edu.sg/datasets/krbd/>
- [8] C. Fan, M. Chen, X. Wang, J. Wang, and B. Huang, "A review on data preprocessing techniques toward efficient and reliable knowledge discovery from building operational data," *Frontiers in Energy Research*, vol. 9, Mar. 2021, doi: 10.3389/fenrg.2021.652801.
- [9] T. X. Hui, S. Kasim, M. F. Md Fudzee, Z. Abdullah, R. Hassan, and A. Erianda, "A microarray data pre-processing method for cancer classification," *JOIV: International Journal on Informatics Visualization*, vol. 6, no. 4, p. 784, Dec. 2022, doi: 10.30630/joiv.6.4.1523.
- [10] S. M. Foltz, C. S. Greene, and J. N. Taroni, "Cross-platform normalization enables machine learning model training on microarray and RNA-seq data simultaneously," *Communications Biology*, vol. 6, no. 1, Feb. 2023, doi: 10.1038/s42003-023-04588-6.
- [11] P. J. Muhammad Ali, "Investigating the impact of min-max data normalization on the regression performance of k-nearest neighbor with different similarity measurements," *ARO-THE SCIENTIFIC JOURNAL OF KOYA UNIVERSITY*, vol. 10, no. 1, pp. 85–91, Jun. 2022, doi: 10.14500/aro.10955.
- [12] R. LaRose and B. Coyle, "Robust data encodings for quantum classifiers," *Physical Review A*, vol. 102, no. 3, Sep. 2020, doi: 10.1103/physreva.102.032420.
- [13] M. Greenacre, P. J. F. Groenen, T. Hastie, A. I. D'Enza, A. Markos, and E. Tuzhilina, "Principal component analysis," *Nature Reviews Methods Primers*, vol. 2, no. 1, Dec. 2022, doi: 10.1038/s43586-022-00184-w.
- [14] D. Kartini, R. A. Badali, M. Muliadi, D. T. Nugrahadi, F. Indriani, and S. W. Saputro, "Dimensionality reduction using principal component analysis and feature selection using genetic algorithm with support vector machine for microarray data classification," *Indonesian Journal of Electronics, Electromedical Engineering, and Medical Informatics*, vol. 7, no. 1, pp. 154–166, Feb. 2025, doi: 10.35882/mr7x9713.
- [15] Q. Meng, D. Catchpoole, D. Skillicom, and P. J. Kennedy, "Relational autoencoder for feature extraction," in *2017 International Joint Conference on Neural Networks (IJCNN)*, IEEE, May 2017, pp. 364–371, doi: 10.1109/ijcnn.2017.7965877.
- [16] X. Jiang, J. Gao, X. Hong, and Z. Cai, "Gaussian Processes Autoencoder for Dimensionality Reduction," Springer International Publishing, 2014, pp. 62–73, doi: 10.1007/978-3-319-06605-9_6.
- [17] E. Solovyeva and A. Abdullah, "Dual autoencoder network with separable convolutional layers for denoising and deblurring images," *Journal of Imaging*, vol. 8, no. 9, p. 250, Sep. 2022, doi: 10.3390/jimaging8090250.
- [18] W. Astuti and A. Adiwijaya, "Support vector machine and principal component analysis for microarray data classification," *Journal of Physics: Conference Series*, vol. 971, p. 012003, Mar. 2018, doi: 10.1088/1742-6596/971/1/012003.
- [19] A. Khoirunnisa, A. Adiwijaya, and D. Adytia, "Implementation of CRNN method for lung cancer detection based on microarray data," *JOIV: International Journal on Informatics Visualization*, vol. 7, no. 2, p. 600, Jul. 2023, doi: 10.30630/joiv.7.2.1339.
- [20] S. Sucharita, B. Sahu, and T. Swarnkar, "An Empirical Analysis of PCA-SVM Model for Cancer Microarray Data Classification," Springer Singapore, 2021, pp. 495–504, doi: 10.1007/978-981-16-0695-3_47.