# References 20–43

20. Li, Z., Fang, R., Fang, J., He, S. and Liu, T. 2018. Functional implications of Rab27 GTPases in Cancer. Cell Communication and Signaling 16(1). DOI: https://doi.org/10.1186/s12964-018-0255-9

21. Lu, C.W. et al. 2011. Overexpression of pyruvate dehydrogenase kinase 3 increases drug resistance and early recurrence in colon cancer. American Journal of Pathology 179(3). DOI: https://doi.org/10.1016/j.ajpath.2011.05.050

22. McKinney, W. 2011. pandas: a Foundational Python Library for Data Analysis and Statistics. Python for High Performance and Scientific Computing.

23. Mitra, R.S. et al. 2008. Rap1GAP promotes invasion via induction of matrix metalloproteinase 9 secretion, which is associated with poor survival in low N-stage squamous cell carcinoma. Cancer Research 68(10). DOI: https://doi.org/10.1158/0008-5472.CAN-07-2755

24. Neumüller, O., Hoffmeister, M., Babica, J., Prelle, C., Gegenbauer, K. and Smolenski, A.P. 2009. Synaptotagmin-like protein 1 interacts with the GTPase-activating protein Rap1GAP2 and regulates dense granule secretion in platelets. Blood 114(7). DOI: https://doi.org/10.1182/blood-2008-05-155234

25. Pan, T., Zhao, J., Wu, W. and Yang, J. 2020. Learning imbalanced datasets based on SMOTE and Gaussian distribution. Information Sciences 512. DOI: https://doi.org/10.1016/j.ins.2019.10.048

26. Peterson, H., Kolberg, L., Raudvere, U., Kuzmin, I. and Vilo, J. 2020. gprofiler2 -- an R package for gene list functional enrichment analysis and namespace conversion toolset g: Profiler. F1000Research 9. DOI: https://doi.org/10.12688/f1000research.24956.2

27. Price, L.S., Hajdo-Milasinovic, A., Zhao, J., Zwartkruis, F.J.T., Collard, J.G. and Bos, J.L. 2004. Rap1 regulates E-cadherin-mediated cell-cell adhesion. Journal of Biological Chemistry 279(34). DOI: https://doi.org/10.1074/jbc.M404917200

28. Rampášek, L., Hidru, D., Smirnov, P., Haibe-Kains, B. and Goldenberg, A. 2019. Dr.VAE: Improving drug response prediction via modeling of drug perturbation effects. Bioinformatics 35(19). DOI: https://doi.org/10.1093/bioinformatics/btz158

29. Ri, J.H. and Kim, H. 2020. G-mean based extreme learning machine for imbalance learning. Digital Signal Processing: A Review Journal 98. DOI: https://doi.org/10.1016/j.dsp.2019.102637

30. Sabbatini, G. and Manganaro, L. 2023. On potential limitations of differential expression analysis with non-linear machine learning models. EMBnet.journal 28. DOI: https://doi.org/10.14806/ej.28.0.1035

31. Sinaga, K.P. and Yang, M.S. 2020. Unsupervised K-means clustering algorithm. IEEE Access 8. DOI: https://doi.org/10.1109/ACCESS.2020.2988796

32. Stekhoven, D.J. and Bühlmann, P. 2012. Missforest-Non-parametric missing value imputation for mixed-type data. Bioinformatics 28(1). DOI: https://doi.org/10.1093/bioinformatics/btr597

33. Sun, N. and Zhao, X. 2022. Therapeutic Implications of FABP4 in Cancer: An Emerging Target to Tackle Cancer. Frontiers in Pharmacology 13. DOI: https://doi.org/10.3389/fphar.2022.948610

34. Sundararajan, M., Taly, A. and Yan, Q. 2017. Axiomatic attribution for deep networks. In: 34th International Conference on Machine Learning, ICML 2017.

35. Tian, Y., Fan, B. and Wu, F. 2017. L2-Net: Deep learning of discriminative patch descriptor in Euclidean space. In: Proceedings - 30th IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2017. DOI: https://doi.org/10.1109/CVPR.2017.649

36. Tolstikhin, I. et al. 2021. MLP-Mixer: An all-MLP Architecture for Vision. In: Advances in Neural Information Processing Systems.

37. Wang, Y., Xiao, Z. and Cao, G. 2022. A convolutional neural network method based on Adam optimizer with power-exponential learning rate for bearing fault diagnosis. Journal of Vibroengineering 24(4). DOI: https://doi.org/10.21595/jve.2022.22271

38. Waskom, M. 2021. seaborn: statistical data visualization. Journal of Open Source Software 6(60). DOI: https://doi.org/10.21105/joss.03021

39. Way, G.P., Zietz, M., Rubinetti, V., Himmelstein, D.S. and Greene, C.S. 2020. Compressing gene expression data using multiple latent space dimensionalities learns complementary biological representations. Genome Biology 21(1). DOI: https://doi.org/10.1186/s13059-020-02021-3

40. Wazery, Y.M., Saleh, M.E. and Ali, A.A. 2023. An optimized hybrid deep learning model based on word embeddings and statistical features for extractive summarization. Journal of King Saud University - Computer and Information Sciences 35(7). DOI: https://doi.org/10.1016/j.jksuci.2023.101614

41. Wolf, F.A., Angerer, P. and Theis, F.J. 2018. SCANPY: Large-scale single-cell gene expression data analysis. Genome Biology 19(1). DOI: https://doi.org/10.1186/s13059-017-1382-0

42. Zhang, Y.L., Wang, R.C., Cheng, K., Ring, B.Z. and Su, L. 2017. Roles of Rap1 signaling in tumor cell migration and invasion. Cancer Biology and Medicine 14(1). DOI: https://doi.org/10.20892/j.issn.2095-3941.2016.0086

43. Zhang, Z. et al. 2006. Rap1GAP inhibits tumor growth in oropharyngeal squamous cell carcinoma. American Journal of Pathology 168(2). DOI: https://doi.org/10.2353/ajpath.2006.050132