















- [3] Kim, D., Hong, S., Choi, S., & Yoon, T. (2016). Analysis of transmission route of MERS coronavirus using decision tree and Apriori algorithm. 2016 18th International Conference on Advanced Communication Technology (ICACT).
- [4] T.-H. Kim, D.-C. Park, D.-M. Woot. Jeong, and S.-Y. Min, "Multi-class classifier-based adaboost algorithm," in Proceedings of the Second Sinoforeign-interchange Conference on Intelligent Science and Intelligent Data Engineering, ser. IScIDE'11. Berlin, Heidelberg: Springer-Verlag,2012, pp. 122–127
- [5] P. Viola and M. J. Jones, "Robust real-time face detection," *Int. J.Comput. Vision*, vol. 57, no. 2, pp. 137–154, May 2004.
- [6] P. Viola and M. Jones, "Rapid object detection using a boosted cascade of simple features," in Proceedings of the 2001 IEEE Computer Society Conference on Computer Vision and Pattern Recognition. CVPR 2001,vol. 1, Dec 2001, pp. I–I.
- [7] R. Girshick, J. Donahue, T. Darrell, and J. Malik, "Rich feature hierarchies for accurate object detection and semantic segmentation," in Proceedings of the IEEE conference on computer vision and pattern recognition, 2014,pp. 580–587.
- [8] R. Girshick, "Fast r-cnn," in Proceedings of the IEEE international conference on computer vision, 2015, pp.1440–1448.
- [9] A. Krizhevsky, I. Sutskever, and G. E. Hinton, "Imagenet classification with deep convolutional neural networks," in Advances in Neural Information Processing Systems 25, F. Pereira, C. J. C. Burges, L. Bottou, and. Q. Weinberger, Eds. Curran Associates, Inc., 2012, pp. 1097–1105.
- [10] K. Simonyan and A. Zisserman, "Very deep convolutional networks for large-scale image recognition," *CoRR*, vol. abs/1409.1556, 2014.
- [11] C. Szegedy, W. Liu, Y. Jia, P. Sermanet, S. Reed, D. Anguelov, D. Erhan, V. Vanhoucke, and A. Rabinovich, "Going deeper with convolutions," 2015.
- [12] A. Jain, A. A. Awan, Q. Anthony, H. Subramoni and D. K. D. Panda, "Performance Characterization of DNN Training using TensorFlow and PyTorch on Modern Clusters," 2019 IEEE International Conference on Cluster Computing (CLUSTER), Albuquerque, NM, USA, 2019, pp. 1-11, doi: 10.1109/CLUSTER.2019.8891042.
- [13] M. Komar, P. Yakobchuk, V. Golovko, V. Dorosh and A. Sachenko, "Deep Neural Network for Image Recognition Based on the Caffe Framework," 2018 IEEE Second International Conference on Data Stream Mining & Processing (DSMP), Lviv, 2018, pp. 102-106, doi: 10.1109/DSMP.2018.8478621.
- [14] M. Komar, P. Yakobchuk, V. Golovko, V. Dorosh and A. Sachenko, "Deep Neural Network for Image Recognition Based on the Caffe Framework," 2018 IEEE Second International Conference on Data Stream Mining & Processing (DSMP), Lviv, 2018, pp. 102-106, doi: 10.1109/DSMP.2018.8478621.
- [15] A. Fawzi, H. Samulowitz, D. Turaga and P. Frossard, "Adaptive data augmentation for image classification," 2016 IEEE International Conference on Image Processing (ICIP), Phoenix, AZ, 2016, pp. 3688-3692, doi: 10.1109/ICIP.2016.7533048.
- [16] M. Ebrahim, M. Al-Ayyoub and M. A. Alsmirat, "Will Transfer Learning Enhance ImageNet Classification Accuracy Using ImageNet-Pretrained Models?," 2019 10th International Conference on Information and Communication Systems (ICICS), Irbid, Jordan, 2019, pp. 211-216, doi: 10.1109/IACS.2019.8809114.
- [17] K. Yan, S. Huang, Y. Song, W. Liu and N. Fan, "Face recognition based on convolution neural network," 2017 36th Chinese Control Conference (CCC), Dalian, 2017, pp. 4077-4081, doi: 10.23919/ChiCC.2017.8027997.
- [18] Biswas, A., Khara, S., Bhowmick, P., & Bhattacharya, B. B. (2008). Extraction of regions of interest from face images using cellular analysis. Proceedings of the 1st Bangalore Annual Compute Conference on - Compute '08. doi:10.1145/1341771.1341787
- [19] C. Z. Basha, B. Lakshmi Pravallika, D. Vineela and S. L. Prathyusha, "An Effective and Robust Cancer Detection in the Lungs with BPNN and Watershed Segmentation," 2020 International Conference for Emerging Technology (INCET), Belgaum, India, 2020, pp. 1-6, doi: 10.1109/INCET49848.2020.9154186
- [20] C. Z. Basha, M. R. K. Reddy, K. H. S. Nikhil, P. S. M. Venkatesh and A. V. Asish, "Enhanced Computer Aided Bone Fracture Detection Employing X-Ray Images by Harris Corner technique," 2020 Fourth International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2020, pp. 991-995.
- [21] M. A. Turk and A. P. Pentland, "Face recognition using eigenfaces," in Proceedings. 1991 IEEE Computer Society Conference on Computer Vision and Pattern Recognition. IEEE Comput. Sco. Press, 1991,pp.586–591.[Online]. Available: <http://dx.doi.org/10.1109/CVPR.1991.139758>
- [22] <https://github.com/X-zhangyang/Real-World-Masked-Face-Dataset>