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Title: A comprehensive review on Chest Disease detection using Chest X-rays

In this Paper [1] (Deep Convolutional Networks for Chest Diseases Detection), Authors used Convolutional Neural networks (CNN) to various chest diseases with enhanced accuracy and detailed precision among CADs (Computer Aided Diagnosis). Chest Diseases like pneumonia, edema, infiltration is very dangerous and needed correct detection and treatment at early stages to cure it. Along with CNN, Back propagation neural networks (BPNN) and competitive neural network (CpNN) are used for the classification of Chest X-Ray diseases. The Input provided was Chest X-Ray datasets which contained thousands of X-Rays of variable sizes, that were obtained to train the neural networks. The neural networks were trained and tested with a large number of iterations. It was seen that input size of image of 32×32 pixels showed comparatively best performance that yielded a very good recognition rate. The results proved that CNN was more efficient at recognising and classifying the disease with an outstanding accuracy of up to 92.4%. the excellence of CNN is attributed to it’s Deep structure that uses extraction of features at different levels which outperformed BPNN, CpNN and became capable better at generalisation.