



Chapter

MML Classification Techniques for the Pathogen Based on Pnuemonia-nCOVID-19 and the Detection of Closely Related Lung Diseases Using Efficacious Learning Algorithms

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The main purpose of this topic is to provide an excellent classification method for predicting the disease based on the key aspect of the disease. Here, we used a multiclass variable database for the prediction; also the methods, random forest and linear SVC, are used for the classification. Furthermore, based on the confusion matrix, we can know the outcome of the prediction model. In this, all the results are discussed using the confusion matrix. Infectious diseases such as nCOVID-19 cause serious damage to the human body's immune system. It recently emerged from China and affects neighbors' country and flu-like symptoms initially manifest in 89.9%. The disease spreads faster than SARS-CoV and MERS-CoV, and soon, the disease begins to spread from one person to another, with high fever (101.4 F), inhalation or dyspnea, sore throat, sneezing and coughing. In India, as of January 31, 2020, the number of cases was one, and on March 28, 2020, the outrage began to rise to 909. In addition, COVID is also caused by pneumonia-related illnesses. So far, such epidemics have been studied and diagnosed by reverse transcriptase polymerase chain reaction (RT-PCR) and serology laboratory testing. Chest X-ray or computed tomography helps identify damaged and white cells in the affected body, identifying pathogens, and the presence of abundant metagenomic sequence in RNA is a major clinical challenge. Since the vaccine has not yet been announced, the current treatment is supplemental care. In this study, we compared machine learning classification methods such as NN, SVM, MLP, RF and KNN, which are widely used in the healthcare sector to diagnose disease by X-ray. Doctors often prescribe chest radiography to diagnose and/or predict infections, since we have read numerous articles on coronavirus. Furthermore, in the clinical perspective, machine learning plays a vital role in solving the problem of prognosis and, thanks to treatment monitoring, there are effective mechanisms. In the presence of airborne diseases, we need an effective tool such as machine learning to investigate this, because nCOVID is...

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