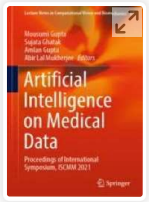

Artificial Intelligence on Medical Data pp 185–192

Effective Overview of Different ML Models Used for Prediction of COVID-19 Patients

Harinder Singh, Binay Kumar Pandey, Shaji George, Digvijay Pandey, Rohit Anand, Nidhi Sindhwani & Pankaj Dadheech

Conference paper | First Online: 24 July 2022

300 Accesses | **2** Citations

Part of the Lecture Notes in Computational Vision and Biomechanics book series (LNCVB,volume 37)

Nidhi Sindhwani

AIIT, Amity University, Noida, India

View author publications

You can also search for this author in
PubMed | Google Scholar

Abstract

The goal of this research is to see how well is a fast primary screening method for COVID-19 that relies only on cough sounds collected from 2200 clinically verified samples utilizing the laboratory molecular testing performs (1100 Covid-19 positive and 1100 Covid-19 negative). The clinical labels were applied to the results, and severity of the samples may be judged based on quantitative RT-PCR (qRT-PCR), cycle threshold, and patient lymphocyte counts. The fast spread of the COVID-19 virus poses a significant danger of serious pulmonary disease, and it also causes the most heinous harm to humanity. As a result, a quick and clear disease classification model to distinguish between normal and COVID-19 infected individuals is critical. In this article, we describe the various machine learning and other models that have been used to predict COVID-19 patients.

Keywords