# Review of: "Application of Ensemble Learning in CXR Classification for Enhancing COVID-19 Diagnosis"

Chetan Nimba Aher[1]

1 AISSMS-All India Shri Shivaji Memorial Society

Potential competing interests: No potential competing interests to declare.

This article discusses the application of ensemble learning in the classification of chest X-ray (CXR) images for enhancing COVID-19 diagnosis.

1. The significance of radiology and computer-aided diagnosis (CAD) in detecting respiratory illnesses like COVID-19. It emphasizes the need for precise and automated methods to aid radiologists in diagnosing diseases from CXR images efficiently.
2. Need to provide more details on the preprocessing steps applied to the CXR images. This could include normalization, augmentation techniques, and addressing class imbalance if present. Clear documentation of preprocessing steps ensures reproducibility and helps readers understand the data preparation process better.
3. How the ensemble learning approach was configured, such as the specific ensemble method used (e.g., majority voting, stacking), and the number and types of base classifiers included in the ensemble. Experimenting with different ensemble configurations could potentially further improve classification accuracy.
4. Validate the proposed ensemble learning model on an external dataset to assess its performance and generalizability further. External validation helps verify the model's robustness across different datasets and ensures that it's not overfitting to the training data.