IMPROVED AIR POLLUTION FORECASTING WITH HYBRID MACHINE LEARNING ALGORITHMS

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80_Recommendation

The proposed models are designed for achieving effective performance for forecasting air pollutant data. Some relevant features are missed during the selection process due to the presence of numerous air data on environment. Thus, future work may be developed with advanced feature selection techniques to attain an enhanced result. When the number of features from dataset is varied, it failed to achieve better performance of classification. It leads higher time to classify data for efficient performance prediction. A future enhancement will focus on overcoming the proposed limitations with minimum performance forecasting time by classifying data. In addition, future work may be extended to provide better results of air pollutant data classification with reduced memory consumption at an early stage of development. Then in future, Product based implementation can be carried out by using sensors. More significantly, the predicted data can be stored in cloud server and the status of air pollution index can be updated, and using IoT technologies, the predicted data can be sent to the user's dashboard and an alert message can pop out when the air pollution threshold limit exceeds.