

Detection of Forest Fire Areas using Machine Learning

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Abstract: Forest fire is the major environmental issue. It causes the economical and ecological damages and also it can affect the human's life. In today's technology man-made major disasters are multiplying exponentially. One of the major dangers is the wildfire. In this work, detecting the forest fire area by comparing various machine learning techniques such as Support Vector Machine, Regression, Decision Trees, K-Nearest Neighbour etc. has been done is accomplished. In the proposed modules, dividing the data set to achieve a high accuracy is important. It represents how regression works best for detection the forest fires. Here Detecting in order to take quick action before the fire damages and spreads over a vast region.

Keywords: SVM, regression, decision trees, KNN, Random Forest etc.

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