Crop Yield Prediction Using Machine Learning

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Abstract: *Agriculture is that the pillar of the Indian economy and over 50% of India's population are keen about agriculture for his or her survival. Variations in weather, climate, and other such environmental conditions became a serious risk for the healthy existence of agriculture. Machine learning (ML) plays a big role because it has decision support tool for Crop Yield Prediction (CYP) including supporting decisions on what crops to grow and what to try to to during the season of the crops. the current research deals with a scientific review that extracts and synthesize the features used for CYP and furthermore, there are a spread of methods that were developed to research crop yield prediction using computing techniques. Many studies were recommended for agriculture development and also the goal was to form an accurate and efficient model for crop classification like crop yield estimation supported the weather, crop disease, classification of crops supported the growing phase etc., This paper explores various ML techniques utilized within the field of crop yield estimation and provided an in depth analysis in terms of accuracy using the techniques.*

Keywords: Agriculture, Artificial Neural Network, Convolution Neural Network, Crop yield prediction, Machine learning method

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