ESTIMATE THE CROP YIELD USING DATA ANALYTICS

LITERATURE SURVEY

REFERRED JOURNALS:

AUTHOR	TITLE	CONTENT	PUBLISHED
1.B.M. Sagar, Cauvery N K	Agriculture Data Analytics in Crop Yield Estimation: A Critical Review	Agriculture is important for human survival because it serves the basic need. A well-known fact that the majority of population ($\geq$55%) in India is into agriculture. Due to variations in climatic conditions, there exist bottlenecks for increasing the crop production in India. It has become challenging task to achieve desired targets in Agri based crop yield. Factors like climate, geographical conditions, economic and	December 2018-Indonesia n Journal of Electrical Engineering and Computer

		data analytics in the agriculture domain. The present study gives insights on various data analytics methods applied to crop yield prediction. The work also signifies the important lacunae points' in the proposed area of research.	
2.Loubna Rabhi	Digital agriculture based on big data analytics: a focus on predictive irrigation for smart farming in Morocco	Due to the spead of objects connected to the internet and objects connected to each other, agriculture nowadays knows a huge volume of data exchanged called big data. Therefore, this paper discusses connected agriculture or agriculture 4.0 instead of a traditional one. As irrigation is one of the foremost challenges in agriculture, it is also moved from manual watering towards smart watering based on big data analytics where the farmer can water crops regularly and without wastage even remotely. The method used in this paper combines big data, remote sensing and data mining algorithms (neural network and	Indonesian Journal of Electrical Engineering and Computer Science

3.Jharna Majumdar	Analysis of agriculture data using data mining techniques: application of big data	In agriculture sector where farmers and agribusinesses have to make innumerable decisions every day and intricate complexities involves the various factors influencing them. An essential issue for agricultural planning intention is the accurate yield estimation for the numerous crops involved in the planning. Data mining techniques are necessary approach for accomplishing practical and effective solutions for this problem. Agriculture has been an obvious target for big data. Environmental conditions, variability in soil, input levels, combinations and commodity prices have made it all the more relevant for farmers to use	Published: 05 July 2017

		information and get help to make critical farming decisions. This paper focuses on the analysis of the agriculture data and finding optimal parameters to maximize the crop production using data mining techniques like PAM, CLARA, DBSCAN and Multiple Linear Regression. Mining the large amount of existing crop, soil and climatic data, and analysing new, non-experimental data optimizes the production and makes agriculture more resilient to climatic change.	

BOOKS REFERRED:

Dr. Anil Maheshwari- 1 July 2017	Data Analytics Made Accessible
Mohiuddin Ahmed (Editor), Al-Sakib Khan Pathan (Editor)– 30 June 2020	Data Analytics: Concepts, Techniques, and Applications Paperback
Eric Siegel -12 January 2016	Predictive Analytics: The Power to Predict Who Will Click, Buy, Lie, or Die