IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
Volume 2, Issue 7, May 2022
Impact Factor: 6.252

Crop Yield Prediction Based on Weather

Darphale P. G., Jadhav K. N., Shaikh K. L., Prof. Bansude V. U.
Department of Electronics & Telecommunication
S. B. Patil College of Engineering, Indapur, India

Abstract: *The agriculture sector is a one of the most important industries in the Indian economy which means the huge employer. Countries 90% of the Peoples depends on the agriculture for their livelihood. In India 60.43% of the total agriculture land is used for cultivation according to the World bank collection. India's worldwide rank 2 in farms output. The prediction will help the farmers to decide Which crop will grow to get the maximum yield by considering the factors like rainfall climate weather temperature soil.[9].*

Keywords: Crop yield prediction, weather prediction, fertilizer prediction, Agriculture, System Architecture.

REFERENCES

[1] https://towardsdatascience.com/machine-learning-basics-part-1-a36d38c7916
[2] https://healthcare.ai/machine-learning-versus-statistics-use/
[3] https://medium.com/fintechexplained/machine-learning-algorithm- comparisonf14ce372b855
[4] https://dataaspirant.com/2017/05/22/random-forest-algorithm-machine-learing/
[5] https://scikit- learn.org/stable/modules/generated/sklearn.ensemble.RandomForestClassifier.html
[6]https://openweathermap.org/api/one-call-api?gclid=CjwKCAjwt-L2BRA_EiwAacX32SzjPujH29VetWiBl-xcyG9Dw17xto02vSwkxdTFeIR18tr5GF- 8vxoC2kQAvD_BwE
[7] https://ukdiss.com/examples/rainfall-prediction-machine-learning.php
[8] https://iopscience.iop.org/article/10.1088/1748-9326/aae159
[9] https://en.wikipedia.org/wiki/Agriculture_in_India
[10] https://www.agricultureinformation.com/forums/threads/agriculture-in-india.101537/
[11] https://en.wikipedia.org/wiki/Farmers%27_suicides_in_India
[12] https://towardsdatascience.com/machine-learning-an-introduction-23b84d51e6d0
[13] Groundnut Crop Yield Prediction Using Machine Learning Techniques by Vinita Shah and Prachi Shah.
[14] Developing regression model to forecast the rice yield at Raipur condition by A Jain, J
[15] Anakha Venugopal, Aparna S, Jinsu Mani, Rima Mathew, Prof. Vinu Williams Department of Computer Science and Engineering College of Engineering, Kidangoor, "Crop Yield Prediction using Machine Learning Algorithms", International Journal of Engineering Research & Technology (IJERT), 2021.
[16] Aruna Kamble, Vibhoor Garg Department of CSE Department of CSE Bharati Vidyapeeth Bharati Vidyapeeth College of Engineering College of Engineering Belapur, Navi Mumbai Belapur, Navi Mumbai Maharashtra, India, "Crop Yield Prediction and Efficient use of Fertilizers", 2021 IJCRT | Volume 9, Issue 12 December 2021 | ISSN: 2320-2882
[17] Mayank Champaneri, Darpan Chachpara, Chaitanya Chandvidkar, Mansing Rathod Department of Information technology, K.J. Somaiya Institute of Engineering and Information Technology, University of Mumbai, India, "CROP YIELD PREDICTION USING MACHINE LEARNING"
[18] Priyanga Muruganantham * , Santoso Wibowo , Srimannarayana Grandhi, Nahidul Hoque Samrat and Nahina Islam Priyanga Muruganantham * , Santoso Wibowo , Srimannarayana Grandhi, Nahidul Hoque Samrat and Nahina Islam, "A Systematic Literature Review on Crop Yield Prediction with Deep Learning and Remote Sensing", Remote Sens. 2022, 14, 1990. https://doi.org/10.3390/rs14091990 https://www.mdpi.com/journal/remotesensing