

Review of: "Adoption of Machine Learning Methods for Crop Yield Prediction-based Smart Agriculture and Sustainable Growth of Crop Yield Production – Case Study in Jordan"

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Potential competing interests: No potential competing interests to declare.

You can make the introduction clearer by cutting out unnecessary words. For example, instead of saying "Machine learning (ML) models are quite tedious because the models of ML for agriculture-based are complex," just say "ML models for agriculture are complex." This will make it easier for readers to understand.

It would also help if you gave specific examples of the challenges in using machine learning for agriculture, like problems with data quality or changing weather patterns. This will give readers a clearer idea of the issues.

Try to mention the main contribution of your study at the beginning. You could say something like, "This study creates a model that combines optimization and machine learning to improve prediction accuracy."

To avoid repeating the same ideas, you can summarize points like the complexity of ML models and the need for large datasets in one place instead of mentioning them multiple times.

It might also be better to explain the dataset before you talk about the algorithms. This will make the flow of the paper smoother and easier to follow.

When discussing the results, it would be useful to briefly explain why some algorithms, like Random Forest and Lasso regression, worked better, instead of just listing the numbers.

Finally, in the conclusion, you could talk more about how this model could be used in real-life farming situations and how it could help in making policy decisions.