

Review of: "Yield Forecasting Model for Maize Using Satellite Multispectral Imagery Driven Vegetation Indices"

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Potential competing interests: No potential competing interests to declare.

Comments to the author(s):

The title accurately reflects the paper's subject, emphasizing the use of satellite multispectral imagery-driven vegetation indices for maize yield forecasting. The abstract is well-written and clear, effectively conveying the purpose and methodology of the study. The introduction provides a strong foundation for the study, highlighting the significance of maize cultivation in Bangladesh. The transition to the use of remote sensing technology is well-established, setting the stage for the research. A few suggestions could further enhance the manuscript's quality:

1. I observed that the literature cited is dated. It is recommended to include more recent references from the years 2021 to 2023.
2. The manuscript contains numerous grammatical errors. It is advised to conduct a thorough review, including rectifying issues such as unnecessary capitalization of common nouns like "rice," "wheat," and "potatoes." Additionally, ensure correct spelling, as "publicly" is the accurate term, not "publically."
3. Revise the paragraph by condensing its length and dividing it into 2 to 3 smaller paragraphs, same as the introductory first paragraph.
4. The figure's boundary lines appear unclear. It is recommended to recreate Figure 2 for improved clarity.
5. To enrich the discussion, consider providing additional insight into the significance of the observed NDVI values and their correlation with maize yield. Offer interpretations or possible implications for agricultural management.
6. In conclusion section, consider restructuring the paragraph for better flow and clarity. Separating information about Landsat 8 and Sentinel 2A, and discussing their individual performance before the comparison, may enhance readability.
7. In conclusion section, the terms "closed to actual yield" might be clarified to "closer to the actual yield" for better grammatical accuracy.