

Review Form 1.7

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_104159
Title of the Manuscript:	Harnessing the Power of Big Data: Revolutionizing Agriculture
Type of the Article	Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalcjast.com/index.php/CJAST/editorial-policy>)

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p><u>Compulsory</u> REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Yes, the manuscript titled "Harnessing the Power of Big Data: Revolutionizing Agriculture" is important for the scientific community, particularly for those involved in the agriculture and agribusiness sectors. The manuscript discusses the significant role that big data plays in modern agriculture, highlighting how it can revolutionize farming practices, increase productivity, and address challenges like sustainable food production and global food crises. By leveraging big data analytics, smart farming practices can be implemented, optimizing irrigation, fertilization, pest management, and crop selection, leading to more efficient and environmentally-friendly agriculture. The manuscript also touches upon the challenges associated with implementing big data analytics in agriculture, such as data quality and security.</p> <p>yes</p> <p>fine</p> <p>yes</p> <p>yes!</p> <p>fine</p> <p>Overall, the manuscript presents an important and timely topic discussing the potential of big data to revolutionize agriculture. The title effectively conveys the main focus of the article, which is to explore how big data can be harnessed to bring about transformative changes in the agricultural sector.</p>	
<p><u>Minor</u> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Need to be improved</p>	
<p><u>Optional/General</u> comments</p>	<p>Overall, the manuscript has significant potential to contribute to the scientific community by exploring the role of big data in revolutionizing agriculture. By addressing the mentioned areas for improvement, such as providing more specific examples and in-depth analysis of challenges, the manuscript can be further enhanced to deliver valuable insights to readers and stakeholders in the agricultural sector.</p> <p>Abstract:</p> <p>Include more specific information about the challenges associated with implementing big data analytics in smart farming. For example, mention challenges related to data quality, data security, and scalability in the abstract.</p>	

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	<p>Introduction:</p> <p>Include a clear and concise statement of the objectives of the manuscript. State what the readers can expect to learn or gain from reading the article.</p> <p>About Big Data:</p> <p>Add a brief mention of the fourth V of big data, "veracity," which refers to the accuracy and reliability of the data. This will provide a more comprehensive understanding of big data.</p> <p>Big Data in Agriculture:</p> <p>Provide specific examples of how big data is currently being utilized in the agricultural sector. Include case studies or real-world applications to make the discussion more practical and relevant.</p> <p>Challenges:</p> <p>Expand on each challenge related to data collection, integration, privacy, and connectivity in rural areas. Offer potential strategies or solutions to address these challenges, demonstrating a thorough understanding of the issues faced in implementing big data analytics in agriculture.</p>	
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PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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