

**Review Form 3**

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|--------------------------|--|
| Journal Name:            | <b>Journal of Scientific Research and Reports</b>  |
| Manuscript Number:       | <b>Ms_JSRR_122527</b>  |
| Title of the Manuscript: | <b>From ARIMA to LSTM: A comparative study of forecasting models for agricultural price prediction</b> |
| Type of the Article      | <b>Original Research Article</b>   |

### Review Form 3

#### **PART 1:** Review Comments

| <b>Compulsory</b> REVISION comments   | <b>Reviewer's comment</b>  | <b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|---|--|---|
| Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.                        | <ul style="list-style-type: none"> <li>- The manual script entails important analysis that may add knowledge to the community of Agro-economist.</li> <li>- The volatility of the data may be considered by the author by incorporating GARCH models into his/her study</li> </ul> |   |
| Is the title of the article suitable?<br>(If not please suggest an alternative title)   | <ul style="list-style-type: none"> <li>- The author may consider rephrasing the title as "From traditional to advanced models. A comparative study between time series and machine leaning models in agriculture"</li> </ul>   |   |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.   | The main purpose of the study is missing in the abstract   |   |
| Are subsections and structure of the manuscript appropriate?  | <ul style="list-style-type: none"> <li>- The author may consider "Data pre-processing and normalization" as a second subsection</li> <li>- Include statistical equations for RNN in the methodology.</li> </ul>  |   |
| Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part. | <ul style="list-style-type: none"> <li>- The manual script is important to assist pin price prediction in the market</li> </ul>  |   |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.   | <ul style="list-style-type: none"> <li>- The referencing software should be used otherwise it is difficult to detect the missing references in the work</li> </ul>   |   |
| Minor REVISION comments<br><br>Is the language/English quality of the article suitable for scholarly communications?  | <ul style="list-style-type: none"> <li>- The English used is ok</li> </ul>   |   |
| <b>Optional/General</b> comments  | <ul style="list-style-type: none"> <li>- Research findings should not be presented in the introduction part</li> <li>- Use a referencing software when adding citations to your work</li> <li>- Suggestions for further studies is missing in your work</li> </ul>                 |   |

#### **PART 2:**

|   | <b>Reviewer's comment</b>  | <b>Author's comment</b> (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) |
|---|--|--|
| <b>Are there ethical issues in this manuscript?</b> | <i>(If yes, Kindly please write down the ethical issues here in details)</i> |  |

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**Reviewer Details:**

|                                  |                     |
|----------------------------------|---------------------|
| Name:                            | <b>Laban Gasper</b> |
| Department, University & Country | <b>Tanzania</b>     |