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| Journal Name: | [**Journal of Scientific Research and Reports**](https://journaljsrr.com/index.php/JSRR) |
| Manuscript Number: | **Ms\_JSRR\_141654** |
| Title of the Manuscript: | **Peering into the Future: A Comparative Analysis of Traditional and Machine Learning Approaches for Forecasting of Weekly Price of Garbled Black Pepper** |
| Type of the Article |  |

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| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (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. A minimum of 3-4 sentences may be required for this part.** | **Forecasting the price of garbled black pepper is important for several stakeholders in the spice industry, including farmers, traders and policymakers, since it helps the stakeholders to make decisions related to production, storage and market strategies. Accurate price forecasting allows for better management of resources, minimizes losses due to price fluctuations and optimizes profits. This paper presents the comparative analysis of traditional and machine learning approaches to forecast weekly prices of garbled**  **black pepper from January to December, 2020 in Kochi market in Kerala.** | Thank you for your appreciation. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Peering into the Future: A Comparative Analysis of Forecasting of Weekly Price of Garbled Black Pepper in Kochi District** | OK. |
| **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.** | **Yes, the abstract is comprehensive** | Ok. Thanks. |
| **Is the manuscript scientifically, correct? Please write here.** | The title is mentioned as “Peering into the Future: A Comparative Analysis of Traditional and Machine Learning Approaches for Forecasting of Weekly Price of Garbled Black Pepper”, but only one traditional method namely SARIMA is taken for comparison with machine learning approaches. So, other approaches like ARCH, may be  included to prove scientifically correct. | Yes, the study was comprehensive. All the traditional models like Exponential smoothing models, ARCH has been done and the result indicated that the TDNN model outperformed over other models but the results of other traditional models has not furnished in this manuscript. We are planning to have another research article comparing traditional models of both monthly and weekly price datasets of black pepper. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Few more reference from recent years should be included. | Yes, has been added. |
| **Is the language/English quality of the article suitable for scholarly communications?** | Language corrections should be carried out. | Yes, has done thoroughly. |
| **Optional/General** comments | 1. **More number of traditional and machine learning approaches should be taken for comparison to take concrete decision about best method.** 2. **Both Kerala and Karnataka states in India are best places for black pepper market. So, data from Karnataka state may also be considered for comparison.** | Thank you for your suggestions.  1.Other traditional models has been applied, however result showed the superiority of TDNN model.  2. Yes, but in this manuscript, we have included only the dataset of Kerala. The data from Karnataka can be compared and we will consider this comment as a future line of our study. |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | No, there are no ethical issues in this manuscript. |