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| Book Name: | [**Agricultural Sciences: Techniques and Innovations**](https://bookstore.bookpi.org/product/agricultural-sciences-techniques-and-innovations-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_6379** |
| Title of the Manuscript: | **A Comparative Statistical Approach for Forecasting Maize Yield in India Using ARIMA Models** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Asian Journal of Probability and Statistics, 27(9): 1-9, 2025.**

**DOI: 10.9734/ajpas/2025/v27i9799**

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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 *(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. A minimum of 3-4 sentences may be required for this part.** | **The manuscript is useful for researchers who investigate forecasting based on the time series method, strategic planning of the development of the enterprises connected with agricultural market (in particular, maize market), as well as for governmental institutions for making the regulation and development decisions.**  **The scientific value of the article is the comparison the ARIMA models, methods of their evaluation and choice of appropriate for the forecasting maize yield in India.**  **The results of the study are helpful for forecasting the grain crops yield with a similar behavior of the maize yield as well for the connected with maize growing markets and processes.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Title is suitable: reflects the relevance and methodology** |  |
| 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. | **Abstract reflects the results of study.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript reflects the scientific approach to the forecasting of the maize yield.  To show the results better, it is recommended to express the equitation of the maize yield by the finally selected ARIMA (1,1,2) model.  In my opinion, to enrich the availability of the results it would be necessary to expand the areas of their using for making decisions on the macro- and micro levels. If so, this part should be reflected in the conclusions and (optionally) in the abstract. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | References reflect current researches in this area. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Language is suitable for scientific area. |  |
| Optional/General comments | **In spite of the needed corrections, the article has the scientific and practice value.** |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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?** | *(If yes, Kindly please write down the ethical issues here in detail)*  No |  |

**Reviewer details:**

**Olena Chernysheva, Ukraine**