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| Journal Name: | [**Journal of Advances in Mathematics and Computer Science**](https://journaljamcs.com/index.php/JAMCS) |
| Manuscript Number: | **Ms\_JAMCS\_131280** |
| Title of the Manuscript: | **ON ENSEMBLE LEARNING: CONTRIBUTION TO THE DEVELOPMENT OF THE MACHINE LEARNING MODEL BY MODELING AN ESTIMATOR BASED ON AGGREGATION METHODS** |
| Type of the Article | **Original Research 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 *(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.** | **This paper has significance in Machine Learning theory and its scope is optimization of models. The proposed approach and algorithmic model has the possibility to show improved accuracy in prediction. The author has concentrated on a novel approach in Ensemble Methods of Machine Learning to establish an adaptive and better algorithmic approach to maximize the prediction rates.** | We sincerely thank you for your very motivating comment. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **The title is not really appropriate and it is not suitable for the paper and the content in it.**  **The suggested title can be “ Estimator Based Novel Approach of Ensemble Learning to Maximize the Accuracy”.** | Many thanks for this suggestion regarding the subject of the article. |
| 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, it is comprehensive.** | Thank you very much for your confirmation, peer. |
| Is the manuscript scientifically, correct? Please write here. | **The manuscript is valid scientifically, but it should fall in boundaries of ordered paragraphs for better understanding.** | Thank you very much for your proposal. We have adjusted a few paragraphs in the original file. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **Yes, sufficient.** | We thank you for your affirmation. |
| Is the language/English quality of the article suitable for scholarly communications? | **Language quality is not as per standard discusions in technical articles. The language used can be understood, but it will be better for the author, if he or she standardises the language quality in scholarly manner.** | Thank you very much for your remark; we will take that into account. |
| Optional/General comments | **Justify and mention the reason for naming your algorithm as ‘Lady Forest’. And it would be better if the author gives an alternative name more professionally. Conclusion is to be reduced and made short.** | Following your remark, we deemed it appropriate to name our algorithm **MaxEnsForest** (*Maximum Ensemble Learning Forest*), a name that fully encapsulates the essence of its innovative approach based on ensemble learning and its optimized hierarchical structure. This choice of terminology highlights several key aspects of our method:   1. **Maximization of predictive performance:** The prefix "Max" emphasizes our primary objective of optimizing predictive performance by fully leveraging the diversity and complementarity of ensemble models. 2. **Robust ensemble-based approach:** "Ens" refers to the use of ensemble learning techniques, where multiple models (or "estimators") collaborate to deliver more accurate predictions while mitigating the risks of overfitting or bias. 3. **Forest-inspired hierarchical structure:** The term "Forest" illustrates the architectural nature of our algorithm, which relies on an organization akin to a "forest" of estimators (or individual models). These trees work together much like a dense forest, in which each tree plays a unique role in capturing specific features of the data. |

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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?** | *(If yes, Kindly please write down the ethical issues here in details)* | No |