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| **Date:** | 14 Sep 2022 |
| **To:** | "Ezekiel Adebayo Ogundepo" ogundepoezekiel@gmail.com |
| **From:** | "Innovations in Systems and Software Engineering (ISSE)" chitra.vijayaraghavan@springer.com |
| **Subject:** | Your Submission ISSE-D-22-00068 |

Dear Mr Ogundepo,  
  
We have received the reports from our advisors on your manuscript, Performance Analysis of Supervised Classification Models on Heart Disease Prediction, submitted to  
Innovations in Systems and Software Engineering  
  
Based on the advice received, I have decided that your manuscript can be accepted for publication after you have carried out the corrections as suggested by the reviewer(s).  
  
Below, please find the reviewers' comments for your perusal.  
You are kindly requested to also check the website for possible reviewer attachment(s).  
  
While submitting, please check the filled in author data carefully and update them if applicable - they need to be complete and correct in order for the revision to be processed further.  
  
Please submit your revised manuscript online by using  
the Editorial Manager system which can be accessed at:  
  
https://www.editorialmanager.com/isse/  
  
Your username is: \*\*\*\*\*\*\*\*  
If you forgot your password, you can click the 'Send Login Details' link on the EM Login page.  
  
I am looking forward to receiving your revised manuscript  
before 14 Oct 2022.  
  
With kind regards,  
Michael Hinchey  
Editor-in-Chief  
Innovations in Systems and Software Engineering  
  
Comments to the author (if any):  
Reviewer #1: Authors have presented a predictive analysis to determine the possible risk factors associated with their heart disease status.  
  
Some of the suggestions are as follows:  
  
1. Introduction is vague in the current form. It should include the background of the research work with proper citations, motivation, objectives of the studies and the contribution. The major challenges should be listed in this section. Author should use proper citations to support this study.  
2. Latest literature should be added. Add papers from 2020, 2021 and 2022. In standard research papers the references should not be less than 45.  
3. Method section should include the block diagram of the approach. The working section should be discussed properly. How the experimentation performed. Numerical explanation is needed. Proper explanation is also needed.  
4. Dataset description should be in detail with the parameters and variables.  
5. Provide the comparison with different features.  
6. The improvement should be specified properly with the reasons, justification and comparative study. Authors can compare the results with different variation considering different algorithms.  
7. Add a separate discussion section. Discussion should include (Summarize your key findings, give your interpretations, Discuss the implications, Acknowledge the limitations, State your recommendations and comparative analysis). Discussion section should contain the result impact, comparative study analysis and the overall analysis of the result.  
8. Add the study limitations.  
9. Discuss the impacts of attributes.  
  
  
  
Reviewer #2: The paper title: "Performance Analysis of Supervised Classification Models on Heart Disease Prediction" is written very nicely and i want to thanks authors for working in this area,  
The paper need some revision as per the points mentioned:  
1. The abstract need improvement to some extent.  
2. The headings of the tables need to be revised as the content so much.  
3. In section 2.2.2 the equations mentioned are not numbered.  
4. Figure number 2 and 3 needs improvement as the content of the axis is not visible, so improve the quality of that.  
5. The data set used is very less so you can add more data set for better analysis.  
  
  
  
Reviewer #3: Paper is nicely written still more work required is on literature review part Of the paper.  
Results must be explained for every factor which has been mentioned in the shown diagrams.  
  
  
  
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