



Mrs.G.R.Jothilakshmi Vels University <jothi.se@velsuniv.ac.in>

PLOS ONE: A decision has been made on PONE-D-22-27156 - [EMID:9c7921173004d826]

1 message

PLOS ONE <em@editorialmanager.com>
Reply-To: PLOS ONE <plosone@plos.org>
To: Jothilakshmi G R <jothi.se@velsuniv.ac.in>

Thu, Feb 23, 2023 at 8:55 PM

PONE-D-22-27156

A Feature Preprocessing Approach for Detection of Cardiac Health Condition Using Two Different Nature Datasets

PLOS ONE

Dear Dr. G R,

Thank you for your review of this manuscript. The Editor has decided not to publish this paper.

A copy of the decision letter can be found below.

You can also access your review comments and the decision letter by logging onto Editorial Manager as a Reviewer.

Kind regards,
Nick Joseph Rendon Mapilisan
Staff Editor
PLOS ONE

To: *****
From: "PLOS ONE" plosone@plos.org
Subject: PLOS ONE Decision: PONE-D-22-27156

PONE-D-22-27156

A Feature Preprocessing Approach for Detection of Cardiac Health Condition Using Two Different Nature Datasets
PLOS ONE

Dear Dr. *****,

Thank you for submitting your manuscript to PLOS ONE. After careful consideration, we have decided that your manuscript does not meet our criteria for publication and must therefore be rejected.

I am sorry that we cannot be more positive on this occasion, but hope that you appreciate the reasons for this decision.

Kind regards,

Jerritta Selvaraj
Academic Editor
PLOS ONE

[Note: HTML markup is below. Please do not edit.]

Reviewers' comments:

Reviewer's Responses to Questions

Comments to the Author

1. Is the manuscript technically sound, and do the data support the conclusions?

The manuscript must describe a technically sound piece of scientific research with data that supports the conclusions. Experiments must have been conducted rigorously, with appropriate controls, replication, and sample sizes. The conclusions must be drawn appropriately based on the data presented.

Reviewer #1: Yes

Reviewer #2: Partly

2. Has the statistical analysis been performed appropriately and rigorously?

Reviewer #1: Yes

Reviewer #2: No

3. Have the authors made all data underlying the findings in their manuscript fully available?

The [PLOS Data policy](#) requires authors to make all data underlying the findings described in their manuscript fully available without restriction, with rare exception (please refer to the Data Availability Statement in the manuscript PDF file). The data should be provided as part of the manuscript or its supporting information, or deposited to a public repository. For example, in addition to summary statistics, the data points behind means, medians and variance measures should be available. If there are restrictions on publicly sharing data—e.g. participant privacy or use of data from a third party—those must be specified.

Reviewer #1: Yes

Reviewer #2: No

4. Is the manuscript presented in an intelligible fashion and written in standard English?

PLOS ONE does not copyedit accepted manuscripts, so the language in submitted articles must be clear, correct, and unambiguous. Any typographical or grammatical errors should be corrected at revision, so please note any specific errors here.

Reviewer #1: Yes

Reviewer #2: Yes

5. Review Comments to the Author

Please use the space provided to explain your answers to the questions above. You may also include additional comments for the author, including concerns about dual publication, research ethics, or publication ethics. (Please upload your review as an attachment if it exceeds 20,000 characters)

Reviewer #1: Dear authors,

Your contribution for research with medical application through the manuscript titled " A Feature Preprocessing Approach for Detection of Cardiac Health Condition Using Two Different Nature Datasets" is appreciable. How ever the following points may be considered for revision.

1. You have discussed with two data sets DB-1 and DB - 2..Clinical attributes and number of instances for study for DB-2 are clearly mentioned .. But no such statistical data for DB-1.

2.In step 2, you have done filtering for low and high frequency noise removal .. but no output images for this step..

3. No images for normal ECG and abnormal (arrhythmia and morbidity) one..That may be included.

4.mentioned as six main features have been extracted .. That may be listed as a tabular column.. are these values are same with data DB-1 and DB-2 classification???

5.No output data related with assigning unique identifier..

6.How sensitivity and accuracy and DBR are calculated for feature extraction of DB-1 ?? Almost all having same value ..why?? No such statistical analysis for DB-2..

7.Why reduction in performance metrics in various classifiers listed in table 5 & 6

8.How information entropy is calculated with performance metrics as per table 9.. Is it for DB-1 , DB-2 or for both??

9.The physical significance of information entropy calculation may be explained further by comparing the listed out values with calculated performance metric of DB-1 and DB-2..

10.Is the obtained results validated with doctors ??

Reviewer #2: Please find attached my review comments.

I find the manuscript doesnt hold valid proof of the data provided.The manuscript requires extensive revisions in language. There are a number of incomplete phrases in the study. Besides, some sentences are not coherent enough to understand the context of the study.I encourage the authors to revise the manuscript in a proper way and resubmit

6. PLOS authors have the option to publish the peer review history of their article ([what does this mean?](#)). If published, this will include your full peer review and any attached files.

If you choose “no”, your identity will remain anonymous but your review may still be made public.

Do you want your identity to be public for this peer review? For information about this choice, including consent withdrawal, please see our [Privacy Policy](#).

Reviewer #1: **Yes:** Dr.G.R.Jothi Lakshmi

Reviewer #2: No

[NOTE: If reviewer comments were submitted as an attachment file, they will be attached to this email and accessible via the submission site. Please log into your account, locate the manuscript record, and check for the action link "View Attachments". If this link does not appear, there are no attachment files.]

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