



SDI Review Form 1.6

Journal Name:	Asian Journal of Research in Computer Science
Manuscript Number:	Ms_AJRCOS_50129
Title of the Manuscript:	A model for Heart Disease Prediction using Data Mining Classification Techniques (Decision Trees, Naive Bayes, and KNN)
Type of the Article	Minireview Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	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)
Compulsory REVISION comment	The whole form of bibliographic references is to be reviewed	Have revised all the bibliographic references as recommended
Minor REVISION comments	In the title: heart disease differs. I think it is necessary to specify which heart disease the prediction is applied to?	I have specified "coronary heart disease" in the title.
	Abstract. Other factors may influence the process such as genetic factors, sedentary or socio-economic status and race	Have included the other factors as recommended in the abstract.
	Introduction. It is necessary to specify which department of which hospital	Have specified to as "medicinal services information from the Cleveland, Hungary, Switzerland and the VA Long Beach Clinics Foundation medical record department."
	Figure 1. The source of the figure must be specified unless it is personal	The figure is from' Fayyad, Piatetsky-Shapiro, Smyth, "From Data Mining to Knowledge Discovery: An Overview", in Fayyad, Piatetsky-Shapiro, Smyth, Uthurusamy, <i>Advances in Knowledge Discovery and Data Mining</i> ,. Have also referenced the source of the figure.
	In Naïve Bayes part some parameters not cited in abstract with others	Have now cited the parameters which were not cited in the abstract i.e. obesity and smoking.
	In 3 K-NN – k-Nearest Neighbors part. In the neural network it is necessary to specify the input variables and the output variable as a table	Our study entail K-Nearest Neighbors, naïve Bayes and decision tree only- but have discussed neural network in literature review and instead have illustrated the KNN in table form.
	In data source part: These data you're referring to are missing	I'm referring to "The publicly available heart disease database from Cleveland, Hungary, Switzerland and the VA Long Beach Clinical databases [49] Readily available in the http://archive.ics.uci.edu/ml/datasets/Heart+Disease
	In Knowledge Contributions part. The content does not match the title	Have revised the content under knowledge contribution and now its matching with the title.
	Conclusion. I do not see any tool clearly available to the clinicians	Have explained under conclusion and also in the methodology have shown the model system. highlighted in yellow
Optional/General comments	Too much theoretical detail to summarize regarding the techniques used in artificial intelligence	The theoretical details have been summarized. Much of it represented in at a table form.
	Preferably it is necessary to specify of which heart disease and to give a global overview on it	Have specified as coronary heart disease and the overview has been given on it.

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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u> .	There are NO ethical issues since the data that is used are publicly available/ obtained from Cleveland, Hungary, Switzerland VA Long Beach Databases: http://archive.ics.uci.edu/ml/datasets/Heart+Disease and are is well referenced in the manuscript.