Abstract

In this paper, we are using machine learning method for predicting fault, i.e., support vector machine to predict the accuracy of the model predicted. The proposed models are validated using dataset collected from Open Source Software. The results are analyzed using Area under the Curve (AUC) obtained from Receiver Operating Characteristics (ROC) analysis. The results give you an idea about that the design predict by the support vector machine outperformed the entire the current models. Hence, based on these results it is reasonable to claim that quality models have a significant relevance with object oriented metrics and that machine learning methods have a comparable performance with supervised learning methods.

References

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Index Terms

Computer Science Information Sciences

Keywords

Support Vector Machine Fault Prediction Object Oriented ROC curve