Discriminant Analysis of Sports Personalities for Predicting Better Performance

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 180
Number 13

Year of Publication: 2018

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10.5120/ijca2018916247

Abstract
Managing huge amount of data has always been a matter of concern. With the increasing growth in the sports domain, the amount of data in sports academy is also increasing. In this paper, Discriminant Analysis is used as a means of analyzing the effect of independent variables upon the dependent variables. Discriminant analysis is a method of data mining and it also has the ability to predict the category and class to which the focus belongs. With the help of this method, one can predict the performance of an athlete that can help the sportsperson and the trainer to choose their desired prime sport. The dataset used in the research is the battery test of athletes conducted in the sports academy. RapidMiner, an open source software is used to fetch results.

References
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Index Terms

Computer Science
Information Sciences

Keywords

Data Mining, Knowledge Discovery in Databases(KDD), Linear Discriminant Analysis(LDA), Classification, Athlete’s Performance Prediction.