Analysis of Supervised Feature Selection Techniques on Animal Husbandry Dataset

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

Volume 182
Number 5

Year of Publication: 2018

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10.5120/ijca2018917538

Abstract

Data mining techniques have become an obvious need of today’s high-dimensional animal industry data. In the last decade almost every aspect of animal related activities are being captured and stored either in local or central data repositories. Due to complex animal traits such as efficiency, growth, health, stress, behavior and adaptation, data mining is an area of challenge which can be optimally performed only with reduced number of relevant features. In this paper, a comparative analysis of various feature selection techniques based on some performance measuring parameter is presented using animal husbandry dataset. This research work finds J48 classifier to perform better in comparison to other traditional classification approaches.

References

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Index Terms

Computer Science    Data Mining
Keywords

Data mining, Feature subset selection, Attribute selection, Animal husbandry