Abstract

Classification of multi-label and multi-target data is a challenging task for the machine learning community. It includes converting the problem into an easier solvable form or extending existing algorithms to directly cope up with multi-label or multi-target data. There are several approaches in both these categories. Since this problem has many applications in image classification, document classification, bio-data classification, etc., much research is going on in this specific domain. In this paper, some experiments are performed on real multi-label datasets and three measures like Hamming loss, exact match, and accuracy are compared for different problem transformation methods. Finally, what is the effect of these results on further research is also highlighted.

References

Experimental Comparison of Different Problem Transformation Methods for Multi-Label Classification using MEKA

- Classifier Chains for Multi-label Classification by : J Read

Index Terms

Computer Science

Artificial Intelligence
Keywords

Binary Relevance  Label Power-Set  Label Ranking  MEKA  Multi-Label Ranking  Pruned Set