ArXiv Article Classification

Fundamentals of Machine Learning

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0 Introduction

This report will cover the efforts related to the classification of articles on the popular scientific research paper distribution website, `arxiv.org`.

More specifically, given the abstract of several thousand papers, our goal was to classify them into one of the following categories: astro-ph.GA, math.AP, astro-ph.CO, math.CO, stat.ML, cs.LG, gr-qc, astro-ph, astro-ph.SR, hep-th, physics.optics, hep-ph, cond-mat.mtrl-sci, cond-mat.mes-hall, quant-ph

1 Feature Design

2 Algorithms

3 Methodology

4 Results

5 Discussion

6 References