

Learning with Naive Bayes

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Abstract

Keywords:

1. Introduction

2. Problem Statement

The problem that we must solve is a classification problem. Given an input file that contains examples (each example consists of a list of attributes and a classification), our task is to implement a learning algorithm that is trained to classify examples. The algorithm we will implement is called Naive Bayes. The learning algorithm will be evaluated using 10-fold cross validation.

2.1 Hypothesis

3. Algorithm

4. Experimental Design

4.1 Set Up

4.2 Tuning

4.3 Final Parameters

5. Summary

References

Albert Einstein. Zur Elektrodynamik bewegter Körper. (German) [On the electrodynamics of moving bodies]. *Annalen der Physik*, 322(10):891–921, 1905. doi: <http://dx.doi.org/10.1002/andp.19053221004>.