

Machine Learning: Algorithms and Applications

Project Proposal: Car Classification

1. Aim

The aim of this project is to develop an automatic classifier for a cars value given its description in 6 important attributes.

2. Used dataset

The dataset contains 1728 instances each consisting of 6 nominal attributes and a classification to one of four possible classes.
It is taken from <http://archive.ics.uci.edu/ml/machine-learning-databases/car/car.data>.

3. Algorithm

The algorithm used for classification will be the decision tree algorithm ID3.
It will take as input the 6 attributes describing the car and return as output a classification.

4. Implementation

The implementation will be done in Java.