University of Rome "La Sapienza"

Master in Artificial Intelligence and Robotics

Machine Learning

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Machine Learning (2018/19)

Exercise 1

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Exercise 1. Evaluation of DT algorithms

- Install WEKA
- Choose a WEKA example (or download from UCI (*))
- Choose a method based on decision trees implemented in WEKA
- Choose different evaluation options
- Predict comparative results (e.g., option1 would return higher accuracy than option 2)
- Run the experiments, observe the results and compare the with your predictions
- Understand the results

References
WEKA: https://www.cs.waikato.ac.nz/ml/weka/
UCI data sets: http://archive.ics.uci.edu/ml/datasets.html
(*) may require data format transformations...

Exercise 1. Evaluation of DT algorithms

Learning goals

- Understanding the concept of data sets (look inside the data set files)
- Understanding how to use a ML tool
- Understanding performance metrics for classification algorithms