

Hands on Weka: Part II Numeric prediction

Petra Kralj Novak
9.12.2013



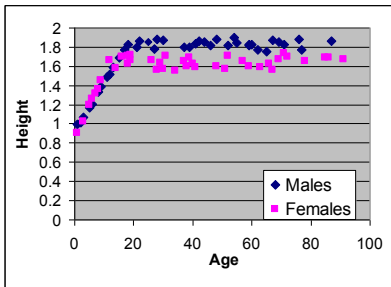
Numeric prediction models

- LinearRegression
- M5P Regression and model trees
- KNN
- Baseline predictor

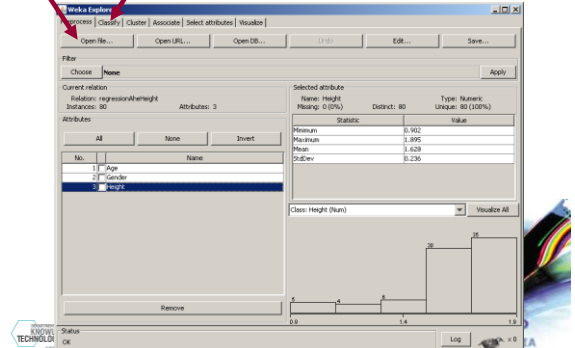


regressionAgeHeight.csv

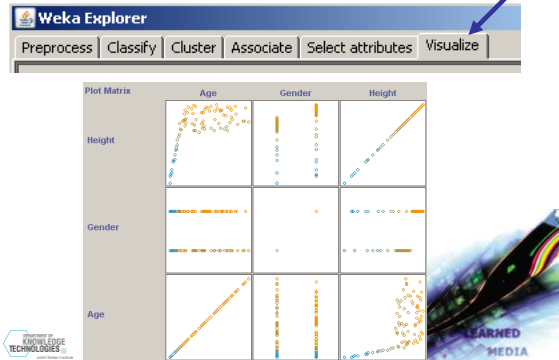
- Data about 80 people:
- Age
- Gender
- Height



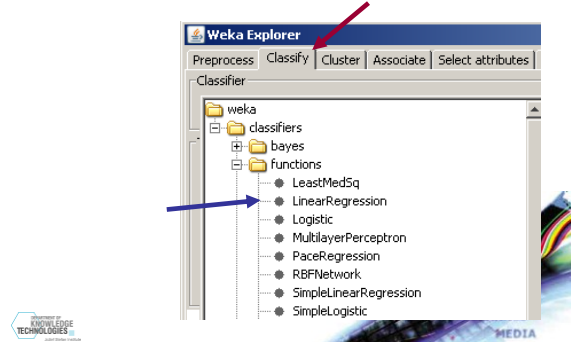
Filename:



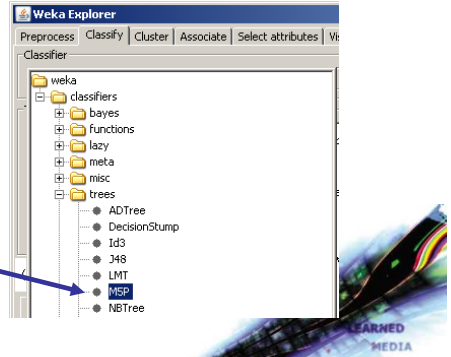
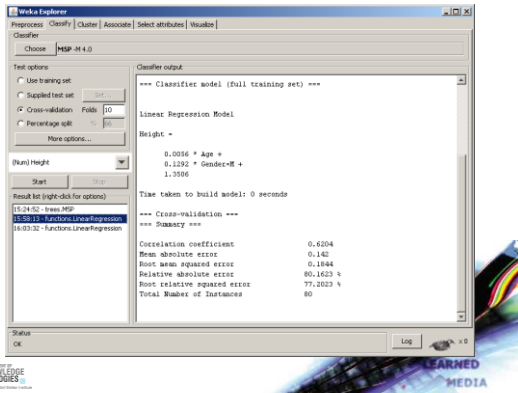
Visualization in Weka



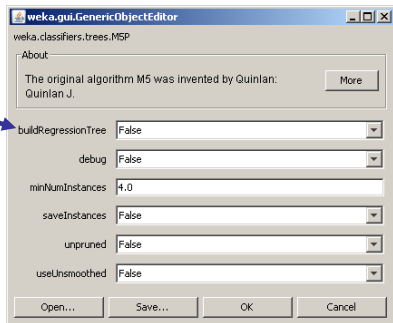
Weka → classifiers → functions → LinearRegression



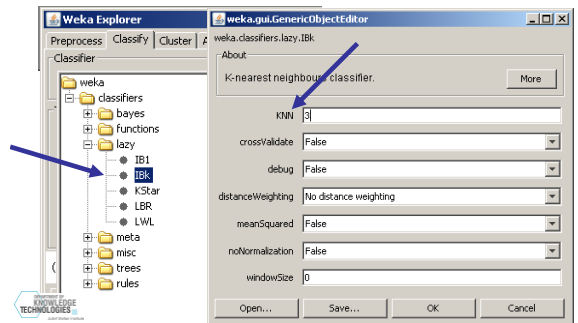
Weka → classifiers → trees → M5P



builtRegressionTree = True → regression tree
 builtRegressionTree = False → model tree



kNN: weka → classifiers → lazy
 → IBk



Weka → classifiers → rules →
 ZeroR

