

Numeric prediction in Weka

2.12.2010

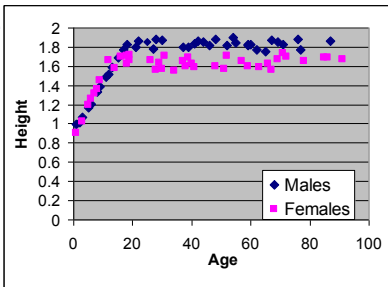
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Numeric prediction models

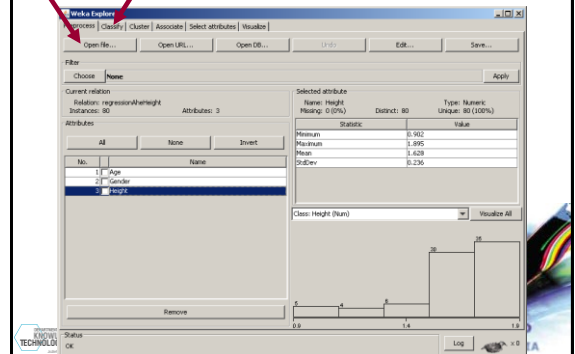
- LinearRegression
- M5P Regression and model trees
- KNN
- Baseline predictor

regressionAgeHeight.csv

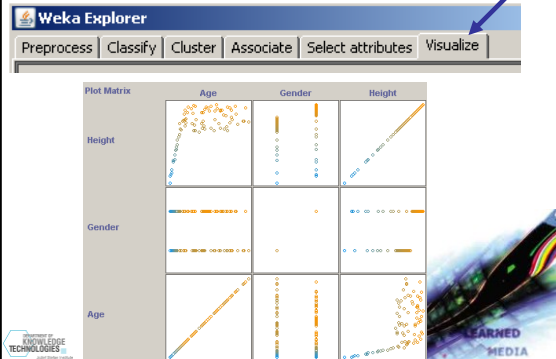
- Data about 80 people:
- Age
- Gender
- Height



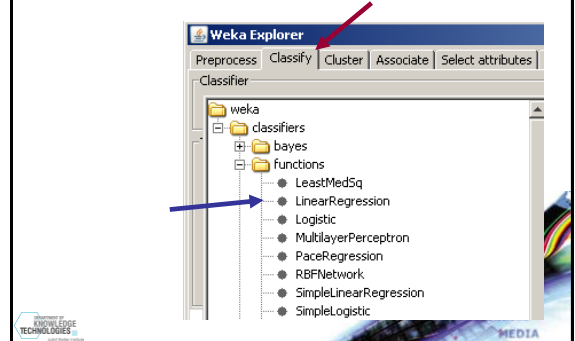
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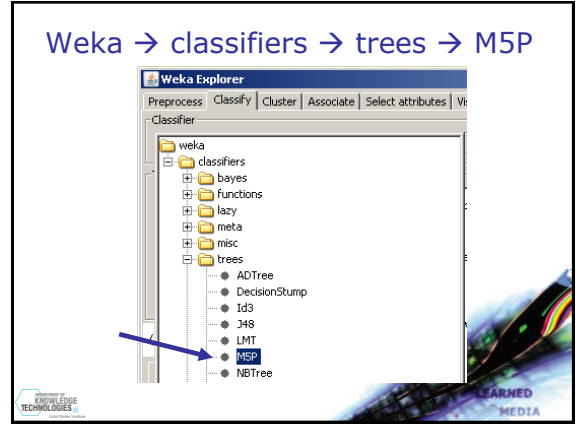
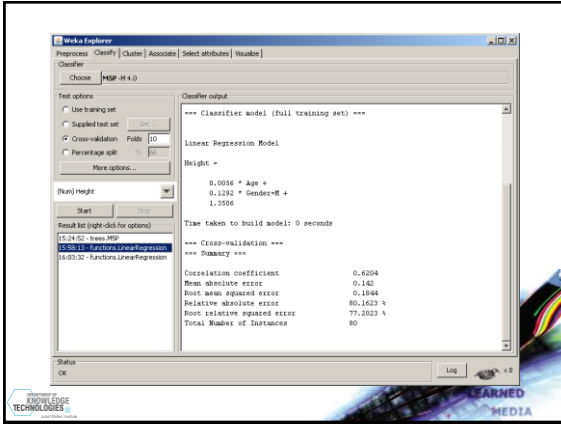


Visualization in Weka

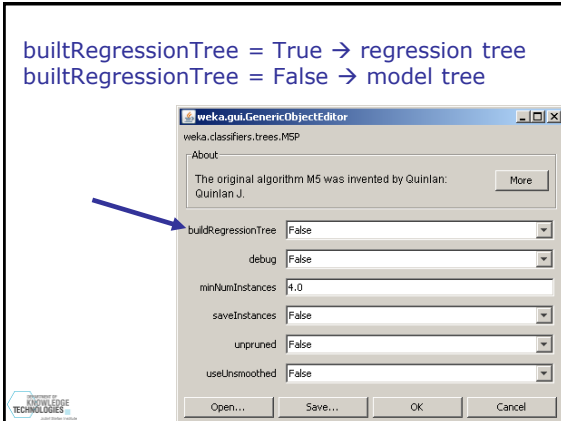


Weka → classifiers → functions → LinearRegression

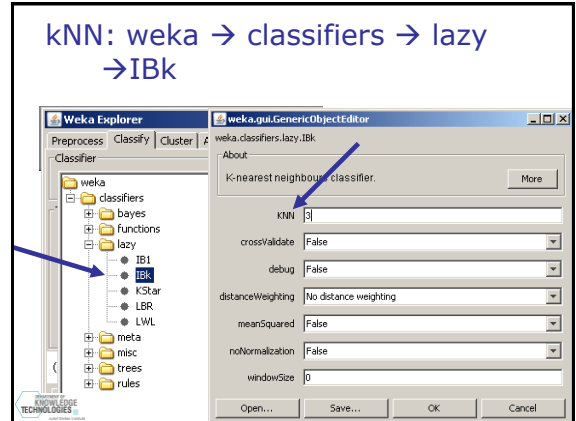




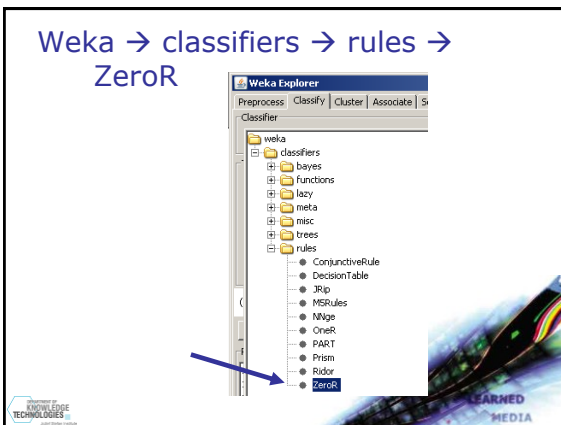
Weka → classifiers → trees → M5P



buildRegressionTree = True → regression tree
 buildRegressionTree = False → model tree



kNN: weka → classifiers → lazy → IBk



Weka → classifiers → rules → ZeroR