Predicting Boston housing prices – The file Botonhousing.xls contains information collected by the US Beaureu of the census concerning housing in the area of Boston, Massachusetts. The dataset includes information on 505 census housing tracts in the Boston area. The goal is to predict the median house price in new tracts based on information such as crime rate, pollution, and number of rooms. The dataset contains 14 predictors and the response is the median house price (MEDV). Table below describes each of the predictors and the response.

Table, Description of variables for Boston housing example

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| CRIM | Per capita crime rate by town |
| ZN | Proportion of residential land zoned for lots over 25,000 sq ft |
| INDUS | Proportion of nonretail business acre per town |
| CHAS | Charles river dummy variable (=1 of tract bounds river; 0=otherwise) |
| NOX | Nitric oxide concentration (ppm) |
| RM | Average number of rooms per dwelling |
| AGE | Proportion of owner-occupied units built prior to 1940 |
| DIS | Weighted distance to five Boston employment centers |
| RAD | Index of accessibility to radial highways |
| TAX | Full-value property tax rate per $10,000 |
| PTRATIO | Pupil/teacher ratio by town |
| B | 1000(Bk-0.63)^2 where Bk is the proportion of blacks by town |
| LSTAT | % lower status of the population |
| MEDV | Median value of owner occupied homes in $10,000s |