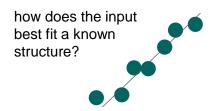


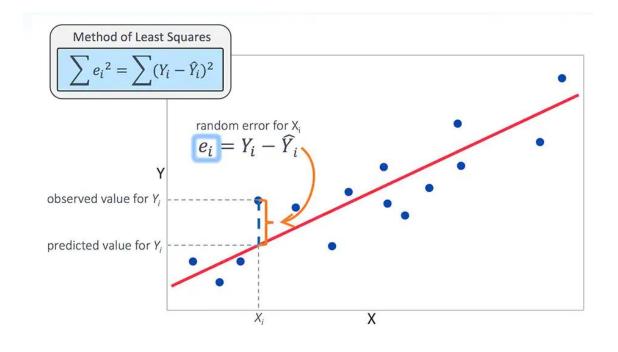
MATLAB:
LINEAR
REGRESSION



Linear Regression

Regression







Exercise 14: Linear Regression

- Import the data set data. The first column are population of city in 10,000s, the second profit of a food truck in a given city in \$10,000s.
- Plot the data and label the axis.
- Try to visually estimate the variables for a linear fit. (y-intercept and slope)
- Plot the estimated fit using hold on.
- As a rough guess predict the profit for a population of 35K.
- Now use MatLabs function polyfit() to estimate the parameters for a linear fit.
 - Repeat step 4 and 5 with the new parameters.
- Compare the 'error' of both fits according to the least squares.

