Programming Exercise 1: Linear Regression

Due on September 26, 2018

Problem Sets

For this programming exercise, you are only required to complete the first part of the exercise to implement linear regression (LR) with one variable. The second part of the exercise, which is optional, covers linear regression with multiple variables.

LR with one variable

1. In this part of this exercise, you will implement linear regression with one variable to predict profits for a food truck. Suppose you are the CEO of a restaurant franchise and are considering different cities for opening a new outlet. The chain already has trucks in various cities and you have data for profits and populations from the cities. You would like to use this data to help you select which city to expand to next. The file `ex1data1.txt` contains the dataset for our linear regression problem.

LR with multiple variables