Support Vector Machines

In this exercise, you will be using support vector machines (SVMs) to build a spam classifier.

In this part of the exercise, you will try using different values of the C parameter with SVMs. Informally, the C parameter is a positive value that controls the penalty for misclassified training examples. A large C parameter 3 tells the SVM to try to classify all the examples correctly. C plays a role similar to \lambda, regularization parameter that we were using previously for logistic regression.

Tasks:

1. Ploting Data
2. Cost Function
3. Gredient Descent
4. Visualizing Cost function
5. Linear regression
6. Feature Normalization
7. Evaluation of model