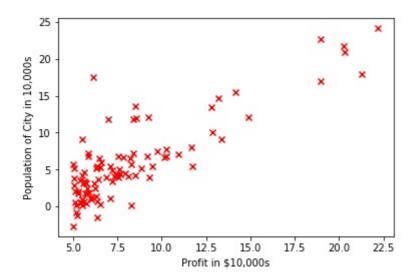
Python 3.7.1 (default, Dec 14 2018, 19:28:38)
Type "copyright", "credits" or "license" for more information.

IPython 7.1.1 -- An enhanced Interactive Python.

In [1]: runfile('/home/lzz/Downloads/Stanford-Machine-Learning-camp-master/
Assignments/machine-learning-ex1/ex1/ex1.py', wdir='/home/lzz/Downloads/StanfordMachine-Learning-camp-master/Assignments/machine-learning-ex1/ex1')
Plotting Data...



Program paused. Press ENTER to continue

Running Gradient Descent...

Initial cost: 32.072733877455676 (This value should be about 32.07)

Theta found by gradient descent: [-3.63029144 1.16636235]

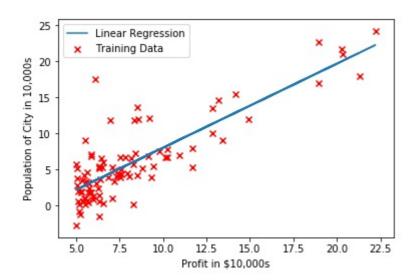
Program paused. Press ENTER to continue

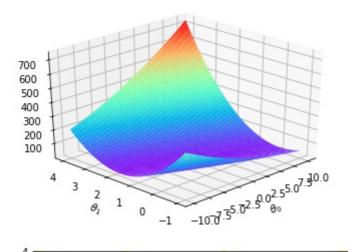
For population = 35,000, we predict a profit of 4519.768 (This value should be about 4519.77)

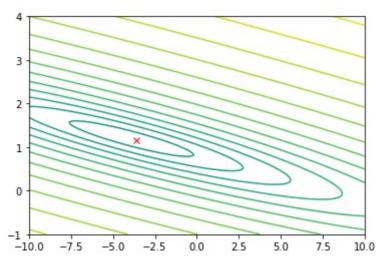
For population = 70,000, we predict a profit of 45342.450 (This value should be about 45342.45)

Program paused. Press ENTER to continue Visualizing J(theta0, theta1) ...

ex1 Finished. Press ENTER to exit







In [2]: runfile('/home/lzz/Downloads/Stanford-Machine-Learning-camp-master/
Assignments/machine-learning-ex1/ex1/ex1_multi.py', wdir='/home/lzz/Downloads/
Stanford-Machine-Learning-camp-master/Assignments/machine-learning-ex1/ex1')
Loading Data...

First 10 examples from the dataset:

x = [2104 3], y = 399900

x = [1600 3], y = 329900

x = [2400 3], y = 369000

x = [1416 2], y = 232000

```
x = [3000]
             4], y = 539900
x = [1985]
             4], y = 299900
             3], y = 314900
x = [1534]
             3], y = 198999
x = [1427]
             3], y = 212000
x = [1380]
x = [1494]
             3], y = 242500
```

Program paused. Press ENTER to continue Normalizing Features ...

Running gradient descent ...

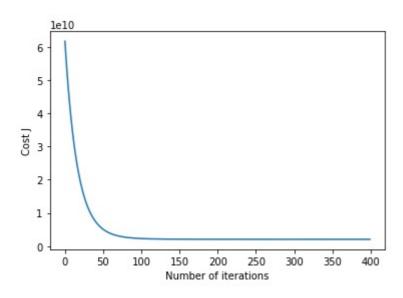
Theta computed from gradient descent :

[340410.91897274 110308.11337059 -6326.5381075]

Predicted price of a 1650 sq-ft, 3 br house (using gradient descent): 293149.994

Program paused. Press ENTER to continue Solving with normal equations \dots Theta computed from the normal equations : 139.21067402 -8738.01911233] [89597.9095428 Predicted price of a 1650 sq-ft, 3 br house (using normal equations): 293081.464

ex1_multi Finished. Press ENTER to exit



In [3]: