**Applied Machine Learning**

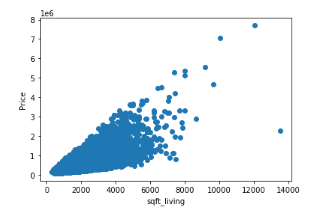
**Assignment 2**

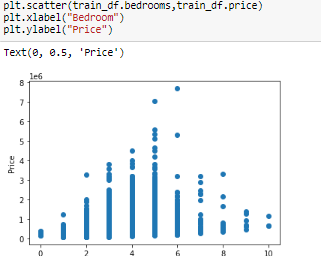
**Name:** Aneeq Asghar

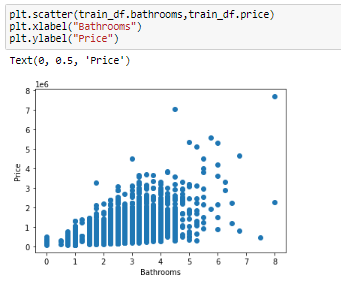
**Roll number:** 17L-4525

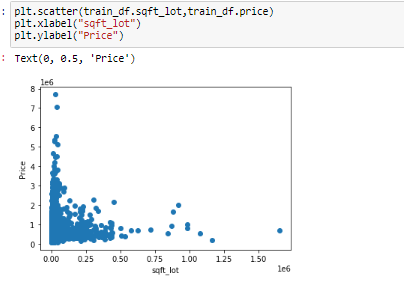
**Section:** EE-7A

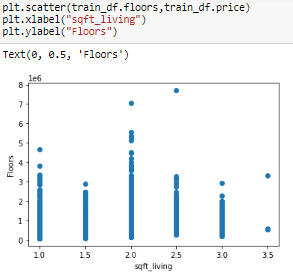
**Scatter Plots:**

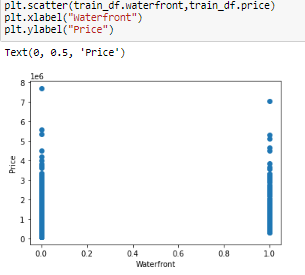


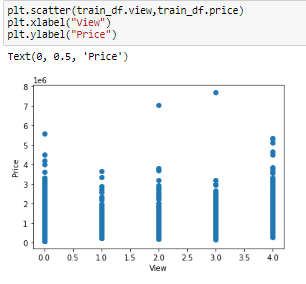


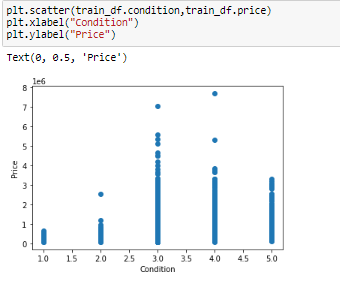


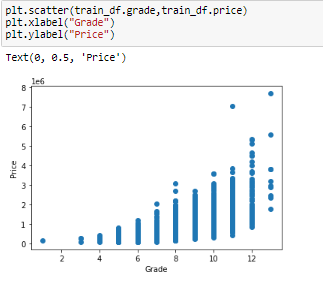


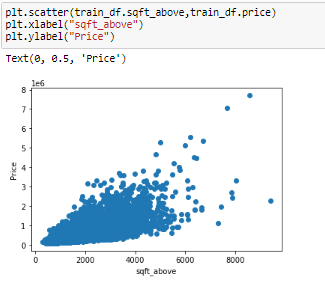


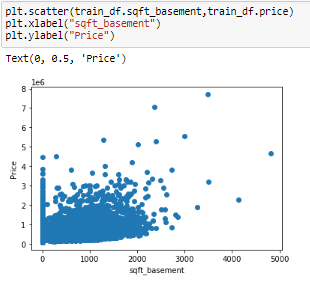


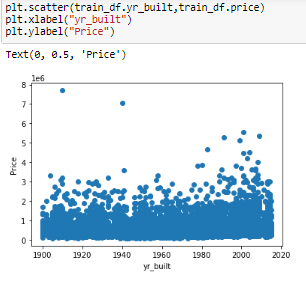


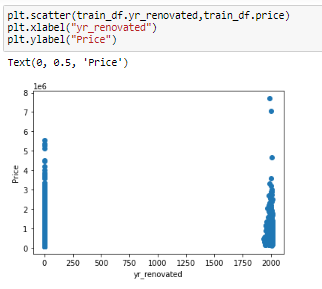


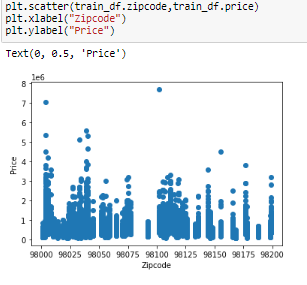


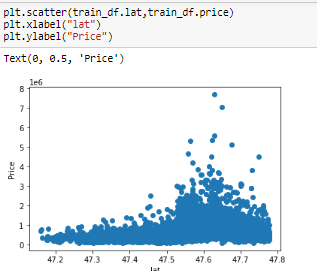


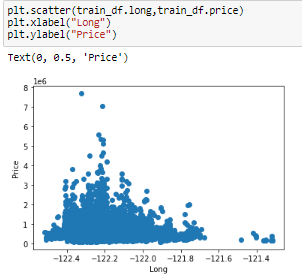


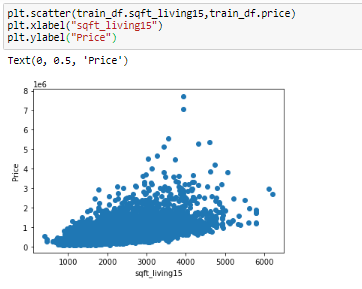


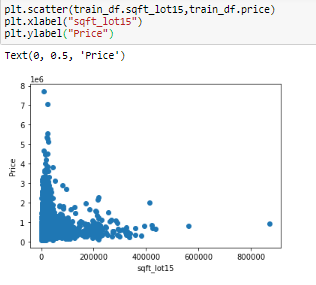


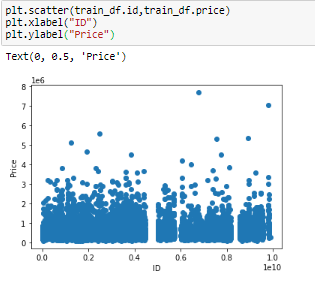


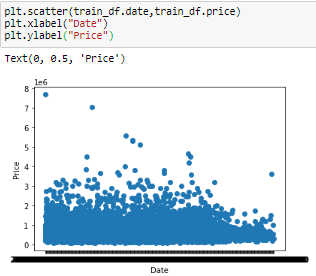




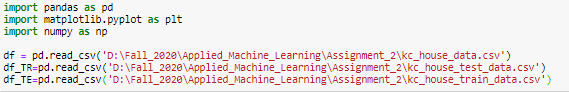




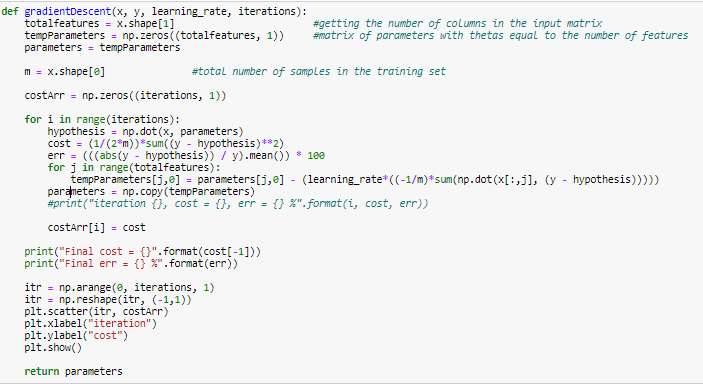




**Imports:**



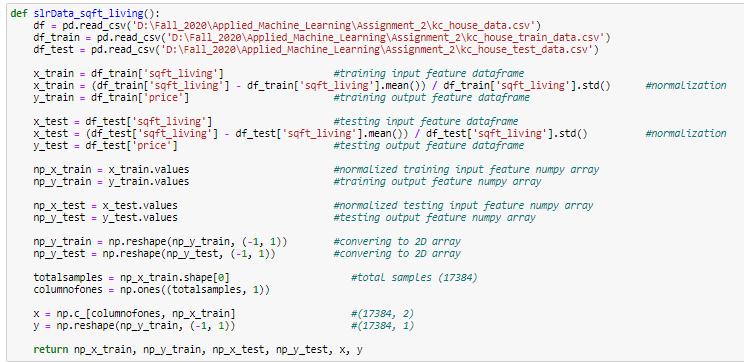
**Gradient Descent:**



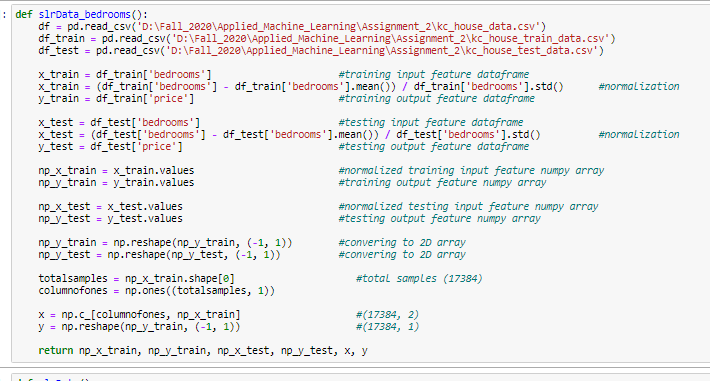


**Single Feature Linear Regression**

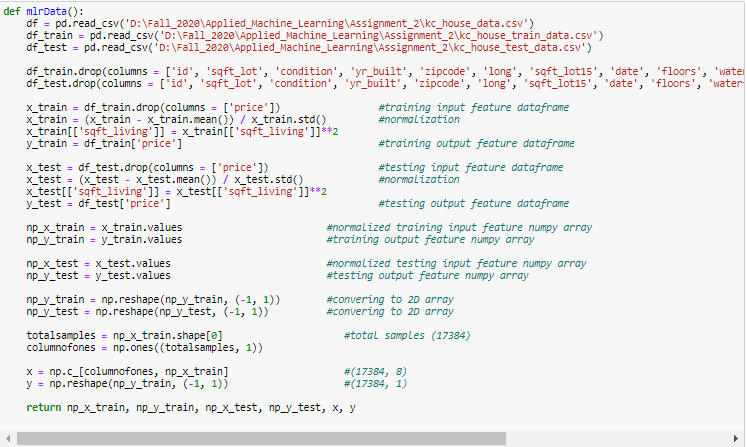
**Price versus Square feet Living**



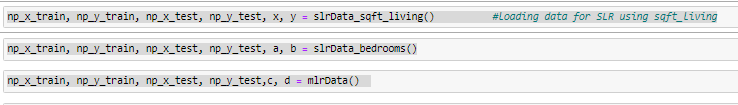
**Price versus Bedrooms**



**Multiple Features:**

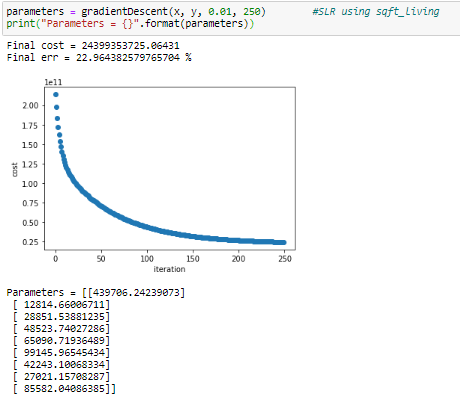


**Load data:**

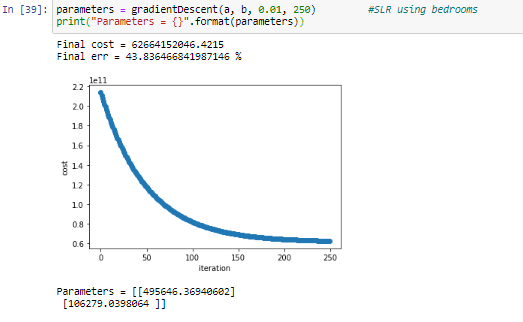


**Single Feature Linear Regression**

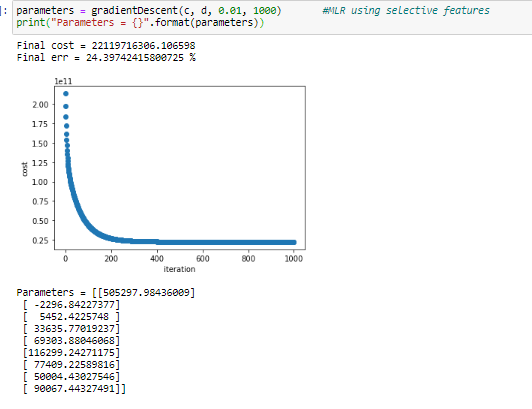
**sqft\_living:**



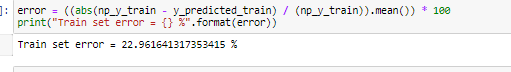
**Bedrooms:**



**MULTIPLE FEATURES**



**Train set error:**



**Test set error:**

