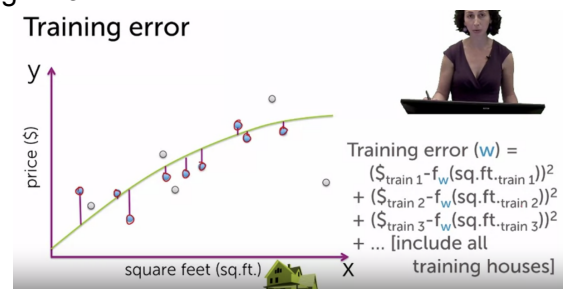
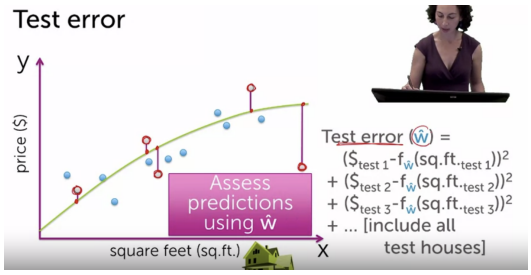
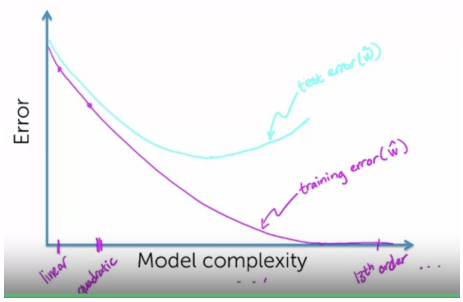
Regression Modeling	
Training/Test Split	Training Set (Blue dots) - The data selected to train the machine learning model Test Set (Grey dots) - Used after the model has been trained and validated to provide an unbiased evaluation of the model performance Training Error -  Testing Error - 
Training/Test Curves	Training error decreases with increasing model complexity as it fits the model better and better Test error might decrease up until a certain complexity before the test error increases since higher model complexity means the line is more bespoke to the training data and less applicable to the test data. - 

ML Block Diagram	Start off with your data, then extract some features to model the predictions on. The ML model does a regression and outputs a predicted price. The predicted price is measured against actual price and the error (residual squared) is fed into a ML algorithm that weighs the different features (via regression coefficients) and refines the ML model to better predict the house prices. This is iterative.