# Defining Estimators

In the previous exercise, you defined a list of feature columns, feature\_list, and a data input function, input\_fn(). In this exercise, you will build on that work by defining an estimator that makes use of input data.

##### Instructions 1/2

**100 XP**

* [1](javascript:void(0))

Use a deep neural network regressor with 2 nodes in both the first and second hidden layers and 1 training step.

# Define the model and set the number of steps

model = estimator.DNNRegressor(feature\_columns=feature\_list, hidden\_units=[2,2])

model.train(input\_fn, steps=1)

Modify the code to use a LinearRegressor(), remove the hidden\_units, and set the number of steps to 2.

# Define the model and set the number of steps

model = estimator.LinearRegressor(feature\_columns=feature\_list)

model.train(input\_fn, steps=2)

Great work! Note that you have other premade estimatoroptions, such as BoostedTreesRegressor(), and can also create your own custom estimators.