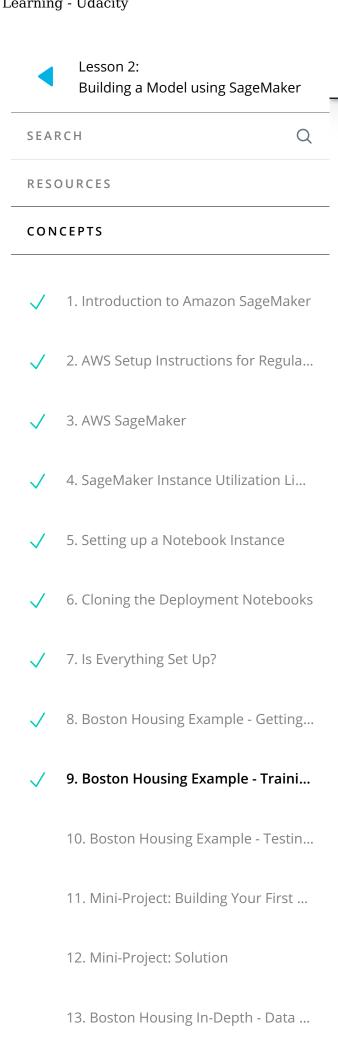
Boston Housing Example - Training the Model



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17. Summary

SEND FEEDBACK

There's a list of winning XGBoost-based solutions to a variety of

XGBoost in Competition

competitions, at the linked XGBoost repository.

You can read the documentation on estimators for more information

Estimators

about this object. Essentially, the Estimator is an object that specifies some details about how a model will be trained. It gives you the ability to create and deploy a model.

A training job is used to train a specific estimator.

few items:

data is stored,

Training Jobs

When you request a training job to be executed you need to provide a

1. A location on S3 where your training (and possibly validation)

- 2. A location on S3 where the resulting model will be stored (this data is called the model artifacts),
- 3. A location of a docker container (certainly this is the case if using a built in algorithm) to be used for training
- 4. A description of the compute instance that should be used.Once you provide all of this information, SageMaker will executed the

necessary instance (CPU or GPU), load up the necessary docker

artifacts are packaged up and stored on S3.

container and execute it, passing in the location of the training data.

Then when the container has finished training the model, the model

You can see a high-level (which we've just walked through) example of training a KMeans estimator, in this documentation. This high-level example defines a KMeans estimator, and uses .fit() to train that model. Later, we'll show you a low-level model, in which you have to specify many more details about the training job.

specify many more details about the training job.

Supporting Materials

<u>↓ XGBoost paper</u>

NEXT