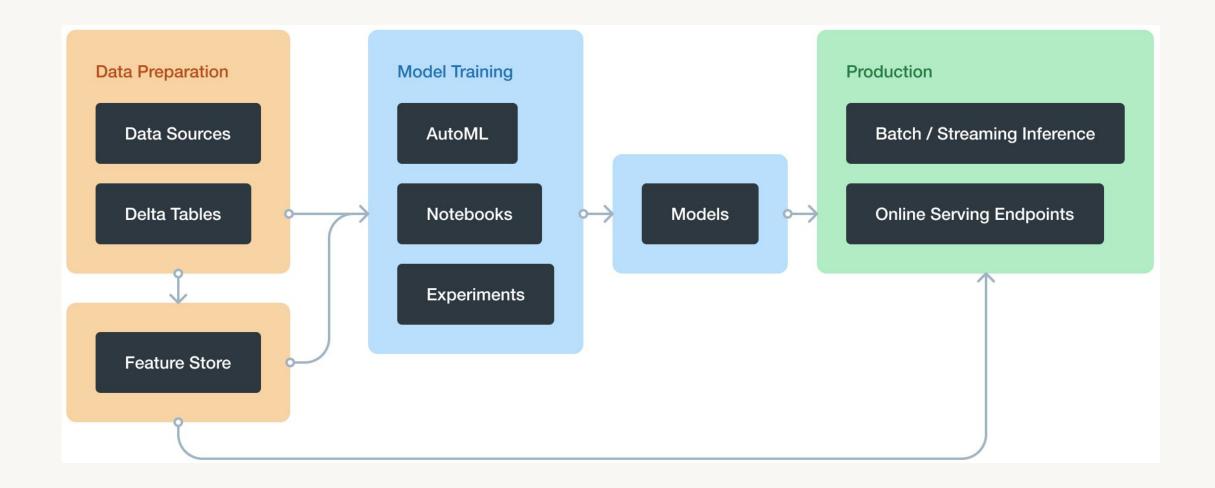


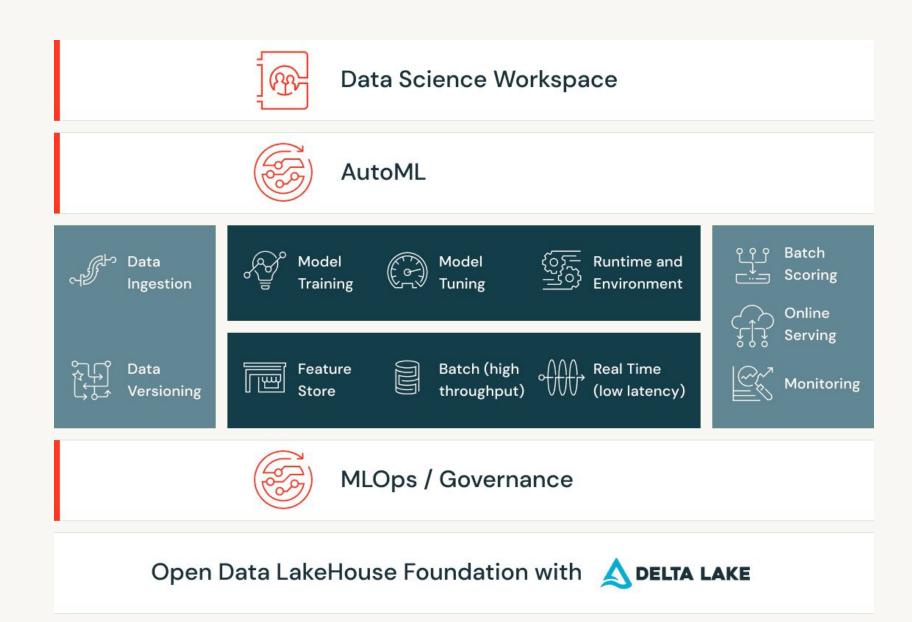
Model Training with Databricks ML



Learning objectives

 Describe how Databricks ML supports manual and automatic model development.





Hold for Video

Required parameters:

- dataset Input Spark or pandas DataFrame that contains training features and targets. If using a Spark DataFrame, it will convert it to
 a Pandas DataFrame under the hood by calling .toPandas() just be careful you don't OOM!
- target_col Column name of the target labels

We will also specify these optional parameters:

- primary_metric Primary metric to select the best model. Each trial will compute several metrics, but this one determines which
 model is selected from all the trials. One of r2 (default, R squared), mse (mean squared error), rmse (root mean squared error), mae
 (mean absolute error) for regression problems.
- timeout_minutes The maximum time to wait for the AutoML trials to complete. timeout_minutes=None will run the trials without any
 timeout restrictions
- max_trials The maximum number of trials to run. When max_trials=None, maximum number of trials will run to completion.

```
from databricks import automl

summary = automl.regress(train_df, target_col="price", primary_metric="rmse", timeout_minutes=5, max_trials=10)
```



Model Training with Databricks ML

Use AutoML to develop a baseline model



Learning objectives

Use AutoML to develop a baseline model.