



Lesson 5: Advanced Applications

5.7 Training Models with spark.ml





spark.ml API

- ML Dataset: Uses Spark SQL DataFrames to hold variety of data types (including Vectors and predictions)
- Transformer: Algorithm which transforms one DataFrame into another (models, feature engineering, etc.)
- Estimator: Algorithm which can be fit on a DataFrame to produce a Transformer (learning algorithm which produces a model)
- Pipeline: Chains multiple Transformers and Estimators together into a workflow
- Param: All Transformers and Estimators share a common API for specifying parameters
- Evaluator: Operates on a DataFrame of predictions and computes an evaluation metric







