

We started this lesson with just the beginning concepts in machine learning, with the end goal of gaining skills in advanced algorithms and tools.

In this lesson, we learned how to:

- Train, test, and optimize
  - A linear model, which is the baseline model one builds when introduced to a new dataset.
  - A tree-based model, robust and more sophisticated, it includes additional benefits like feature importance.
  - A XGBoost model, more complex and highly optimized that has become the go-to tool for machine learning practitioners.
  - An AutoGluon Tabular prediction model, the new paradigm in machine learning workflow. Using automl to streamline many of the initial model building steps.
- Create a model using Sagemaker Jumpstart, 1-click solutions from AWS Sagemaker to solve common use cases.

Together these tools provide an entire collection of machine learning options to tackle today's business opportunities.