

# Docs: AWS Machine Learning

## Amazon Machine Learning Key Concepts

### Datasources

A datasource is an object that contains metadata about your input data. Amazon ML reads your input data, computes descriptive statistics on its attributes, and stores the statistics—along with a schema and other information.

A datasource does not store a copy of your input data. Instead, it stores a reference to the Amazon S3 location where your input data resides.

### ML Models

An ML model is a mathematical model that generates predictions by finding patterns in your data. Amazon ML supports three types of ML models: binary classification, multiclass classification and regression.

### Evaluation

An evaluation measures the quality of your ML model and determines if it is performing well.

### Batch Predictions

Batch predictions are for a set of observations that can run all at once. This is ideal for predictive analyses that do not have a real-time requirement.

### Real-time Predictions

Real-time predictions are for applications with a low latency requirement, such as interactive web, mobile, or desktop applications. Any ML model can be queried for predictions by using the low latency real-time prediction API.