# Practical Data Science with Amazon SageMaker Training

Duration: **1 Day**

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## Overview

You will learn how to solve a real-world use case with Machine Learning (ML) and produce actionable results using Amazon SageMaker. This course walks through the stages of a typical data science process for Machine Learning from analyzing and visualizing a dataset to preparing the data, and feature engineering. Individuals will also learn practical aspects of model building, training, tuning, and deployment with Amazon SageMaker. Real life use case includes customer retention analysis to inform customer loyalty programs

**Activities**

This course includes presentations, group exercises, and hands-on labs.

**Intended audience**

This course is intended for:

- Developers
- Data Scientists

## Prerequisites

This course is intended for:

- Developers
- Data Scientists

## What You Will Learn

In this course, you will:

- Prepare a dataset for training
- Train and evaluate a Machine Learning model
- Automatically tune a Machine Learning model
- Prepare a Machine Learning model for production
- Think critically about Machine Learning model results