Iverson Associates Sdn Bhd (303330-M)
Suite T113 – T114, 3rd Floor, Centrepoint, Lebuh Bandar Utama
Bandar Utama, 47800 Petaling Jaya, Selangor Darul Ehsan
Tel: 03-7726 2678   Fax: 03-7727 9737   Website: www.iverson.com.my

Course Outline :: Practical Data Science with Amazon SageMaker::

Module Title	:	**Practical Data Science with Amazon SageMaker**
Duration	:	**1 day**

Description

In this course, learn how to solve a real-world use case with machine learning and produce actionable results using Amazon SageMaker. This course teaches you how to use Amazon SageMaker to cover the different stages of the typical data science process, from analyzing and visualizing a data set, to preparing the data and feature engineering, down to the practical aspects of model building, training, tuning and deployment.

Intended Audience

This course is intended for: - A technical audience at an intermediate level

Course Objectives

Using Amazon SageMaker, this course teaches you how to:

- 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.

Prerequisites

We recommend that attendees of this course have the following prerequisites:
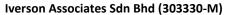
- Working knowledge of a programming language

Delivery Method

This course is delivered through:

- Instructor-Led Training (ILT)
- Hands-On Labs

Course Outline

- Business problem: Churn prediction
- Load and display the dataset

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- Assess features and determine which Amazon SageMaker algorithm to use
- Use Amazon Sagemaker to train, evaluate, and automatically tune the model
- Deploy the model
- Assess relative cost of errors