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Tel: 03-7726 2678 Fax: 03-7727 9737 Website: www.iverson.com.my

Course Outline :: PAII10 ::

Module Title : Course PAII10 - SAP Predictive Analytics

**Duration**: 5 days

## Goals

This course will prepare you to:

- Understand predictive analytics concepts and approaches, as well as how they are implemented within the context of the SAP Predictive Analytics tool.
- Develop the ability to use Predictive Analytics within a Data Science project context.
- Be able to use automated analytics capabilities to build, score and implement classification, regression and time-series models.
- Use Data Manager to prepare and manipulate data to support modelling.
- Understand and implement Predictive Factory to import, build and schedule models.
- Build Social and Recommendation models
- Introduction to Expert Analytics and the Predictive Analytics Library (PAL)

### **Audience**

- Application Consultant
- Business Analyst
- Program / Project Manager
- System Administrator
- Technology Consultant

# **Prerequisites**

#### Essential

None

### Recommended

• Basic statistical skills and a background in Business Analytics and Data Modelling

## Course based on software release

SAP Predictive Analytics 3.1

## Iverson Associates Sdn Bhd (303330-M)



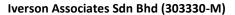
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## **Content**

- Introduction to the course
  - o Welcome introduction and agenda
- Introduction to Predictive Analytics
  - What is Predictive Analytics
  - o Introduction to SAP Predictive Analytics
  - o Predictive Analytics projects and CRISP-DM
  - SAP Use Case examples
- Foundations of Automated Analytics
  - o Introduction to SAP Automated Analytics
  - Foundations
  - Data Encoding
  - Model Building
- Classification Modeling with Automated Analytics
  - Training a classification model
  - Understanding model output
- Classification modelling with automated Analytics
  - o Applying a model
  - o Understanding model output
  - Understanding the confusion matrix
  - o Improving Predictive Power and Prediction Confidence
  - o Reducing number of variables
  - Data deviation testing
  - Advanced Functionality
  - Advanced Data Description Functionality
- Regression Modeling with Automated Analytics
  - Training a regression model
  - o Understanding model output
- Clustering with Automated Analytics
  - o Introduction to clustering and segmentation
  - o Target or no target?
  - o Building a segmentation
  - Model debriefing





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- Model apply
- Segmented models
- Time Series with Automated Analytics
  - o Training a time series
- Data Manager
  - o Data Preparation
  - o Data Manipulation
  - o Data Manager process and benefits
- Predictive Factory
  - o Introduction
  - Setup
  - o Building a model in Predictive Factory
  - o Importing models
  - Scheduling models
  - Segmented modelling
- Social and Recommendation
  - Social
  - o Recommendation
- SAP Predictive Analytics Expert
  - Expert Analytics
- SAP Cloud Platform Predictive Services
  - SAP Cloud Platform Predictive Services
  - o PAL