Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Data science without a Ph.D. Using IBM SPSS Modeler (v18.1.1)

CODE:	LENGTH:	PRICE:
0A018G	8 Hours (1 day)	€780.00

Description

This course focuses on reviewing concepts of data science, where participants will learn the stages of a data science project. Topics include using automated tools to prepare data for analysis, build models, evaluate models, and deploy models. To learn about these data science concepts and topics, participants will use IBM SPSS Modeler as a tool.

Objectives

- Introduction to data science and IBM SPSS Modeler
- Setting measurement levels
- Exploring the data
- Using automated data preparation
- Partitioning the data
- Selecting predictors
- Using automated modeling
- Evaluating models
- Deploying models

Audience

• Business Analysts • Data Scientists • Participants who want to get started with data science

Prerequisites

• It is recommended that you have an understanding of your business data

Programme

1: Introduction to data science and IBM SPSS Modeler • Explain the stages in a data-science project, using the CRISP-DM methodology • Create IBM SPSS Modeler streams • Build and apply a machine learning model2: Setting measurement levels • Explain the concept of "field measurement level" • Explain the consequences of incorrect measurement levels • Modify a field's measurement level3: Exploring the data • Audit the data • Check for invalid values • Take action for invalid values • Impute missing values • Replace outliers and extremes4: Using automated data preparation • Automatically exclude low quality fields • Automatically replace missing values • Automatically replace outliers and extremes5: Partitioning the data • Explain the rationale for partitioning the data • Partition the data into a training set and testing set6: Selecting predictors • Automatically select important predictors (features) to predict a target • Explain the limitations of automatically selecting features7: Using automated modeling • Find the best model for categorical targets • Find the best model for continuous targets • Explain what an ensemble model is8: Evaluating models • Evaluate models for categorical targets • Evaluate models for continuous targets9: Deploying models • List two ways to deploy models • Export scored data

Session Dates

On request. Please Contact Us

Additional Information

This training is also available as onsite training. Please contact us to find out more.