Express Course: Automated Modelling in IBM SPSS Modeler Syllabus

IBM SPSS Modeler provides automated modelling methods that allow data scientists and analysts to run multiple models simultaneously and compare the accuracy of these models. Rather than taking days or weeks to test and compare models, automated modelling allows users to quickly determine which models are best for the problem at hand. This express course will review Modeler's automated modelling features and demonstrate how automated modelling works.

REVIEW OF CRISP-DM

- CHALLENGES IN THE DATA SCIENCE / PREDICTIVE MODELLING PROCESS
- WHAT IS CRISP-DM?
- WHY USE CRISP-DM?

AUTOMATED MODELLING IN IBM SPSS MODELER

- WHAT IS AUTOMATED MODELING?
- WHY USE AUTOMATED MODELING?
- WHAT ARE THE COSTS AND BENEFITS OF AUTOMATED MODELLING?

INTRODUCING THE AUTO CLASSIFIER NODE

- USING THE AUTO CLASSIFIER NODE
- CHANGING THE DEFAULT SETTINGS
- TIPS ON COMPARING MODELS
- INTERPRETING OUTPUT AND SELECTING THE BEST MODEL
- TIPS FOR RUNNING MULTIPLE MODELS AT THE SAME TIME

INTRODUCING THE AUTO NUMERIC NODE

- USING THE AUTO NUMERIC NODE
- CHANGING THE DEFAULT SETTINGS
- INTERPRETING THE OUTPUT

INTRODUCING THE AUTO CLUSTER NODE

- USING THE AUTO CLUSTER NODE
- CHANGING THE DEFAULT SETTINGS
- INTERPRETING THE OUTPUT

Course attendees will receive sample data files and step-by-step exercises that can be completed following the course.