

# IBM SPSS Modeler Foundations (V18.2) (0A069G)

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## A qui s'adresse cette formation

- Data scientists
- Business analysts
- Clients who are new to IBM SPSS Modeler or want to find out more about using it

## Pré-requis

- Knowledge of your business requirements

## Contenu

### Introduction to IBM SPSS Modeler

- Introduction to data science
- Describe the CRISP-DM methodology
- Introduction to IBM SPSS Modeler
- Build models and apply them to new data

### Collect initial data

- Describe field storage
- Describe field measurement level
- Import from various data formats
- Export to various data formats

### Understand the data

- Audit the data
- Check for invalid values
- Take action for invalid values
- Define blanks

### Set the unit of analysis

- Remove duplicates
- Aggregate data
- Transform nominal fields into flags
- Restructure data

### Integrate data

- Append datasets
- Merge datasets
- Sample records

### Transform fields

- Use the Control Language for Expression Manipulation
- Derive fields
- Reclassify fields
- Bin fields

### Further field transformations

- Use functions
- Replace field values
- Transform distributions

### Examine relationships

- Examine the relationship between two categorical fields
- Examine the relationship between a categorical and continuous field
- Examine the relationship between two continuous fields

### Introduction to modeling

- Describe modeling objectives
- Create supervised models
- Create segmentation models

### Improve efficiency

- Use database scalability by SQL pushback
- Process outliers and missing values with the Data Audit node
- Use the Set Globals node
- Use parameters
- Use looping and conditional execution

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