IBM SPSS Modeler Foundations Training

COURSE CONTENT

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About Multisoft

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About Course

Multisoft Systems' IBM SPSS Modeler Foundations training is meticulously designed for professionals eager to master the nuances of predictive analytics and data mining. This comprehensive course introduces participants to the robust capabilities of the IBM SPSS Modeler, one of the leading statistical software tools used for building predictive models and conducting advanced analytics.

Module 1: 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

Module 2: Collect initial data

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

Module 3: Understand the data

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

Module 4: Set the unit of analysis

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

Module 5: Integrate data

- ✓ Append datasets
- ✓ Merge datasets
- ✓ Sample records

Module 6: Transform fields

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

Module 7: Further field transformations

- ✓ Use functions
- ✓ Replace field values
- ✓ Transform distributions

Module 8: 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

Module 9: Introduction to modeling

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

Module 10: 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