

IBM SPSS Statistics Essentials (V25)

Course#: 0G53AG
Duration: 2 Days
Price: 1800.00

Course Description

Contains PDF course guide, as well as a lab environment where students can work through demonstrations and exercises at their own pace.

This course guides students through the fundamentals of using IBM SPSS Statistics for typical data analysis process. Students will learn the basics of reading data, data definition, data modification, and data analysis and presentation of analytical results. Students will also see how easy it is to get data into IBM SPSS Statistics so that they can focus on analyzing the information. In addition to the fundamentals, students will learn shortcuts that will help them save time. This course uses the IBM SPSS Statistics Base features.

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Learning Journeys that reference this course:

Data Science
iBM SPSS Statistics V25.x
Machine Learning

Objectives

Overview of IBM SPSS Statistics
Read data and define metadata

- Transform variables
- Use functions to compute variables
- Set the unit of analysis
- Merge data files
- Select cases for analyses
- Summarize individual variables
- Describe relationships between variables
- Create presentation-ready tables with Custom Tables
- Customize pivot tables
- Create and customize charts
- Work with syntax
- Control the IBM SPSS Statistics environment

Audience

- Anyone with little or no experience in using IBM SPSS Statistics.
- Anyone who is new to using a statistical package for data analysis.
- Anyone who is considering purchasing IBM SPSS Statistics.

Prerequisites

- Experience with IBM SPSS Statistics is not necessary, though a basic understanding of purpose and functions of the software is helpful.
- No statistical background is necessary.

Content

- Introduction to IBM SPSS Statistics
- Review basic concepts in IBM SPSS Statistics
- Identify the steps in the research process
- Review basic analyses
- Use Help

- Read data and define metadata
- Overview of data sources
- Read data from databases
- Read data from Microsoft Excel
- Define variable properties

- Transform variables

Compute new variables

Recode values of nominal, ordinal, and scale variables

Create a numeric variable from a string variable

Explore advanced variable transformations

Use functions to compute variables

Use statistical functions

Use logical functions

Use missing value functions

Use conversion functions

Use system variables

Use the Data and Time Wizard

Set the unit of analysis

Remove duplicate cases

Create aggregated datasets

Restructure datasets

Merge data files

Add cases from one dataset to another

Add variables from one dataset to another

Enrich a dataset with aggregated information

Select cases for analyses

Select case for an analysis

Run analyses for subgroups

Summarize individual variables

Define levels of measurement

Summarizing categorical variables with Frequencies

Summarizing scale variables with Frequencies and Descriptives

Describe relationship between variables

Select the appropriate procedure to summarize the relationship between two variables

Summarize the relationship between categorical variables with Crosstabs

Summarize the relationship between a scale and a categorical variable with Means

Create presentation-ready tables with Custom Tables

Identify table layouts

Create tables for variables with shared categorical

Create tables for variables that represent a multiple response question

Customize pivot tables

Perform Automated Output Modification

Customize pivot tables in the Pivot Table Editor

Use table templates

Export pivot tables to other applications

Create and customize charts

Use the Chart Builder to create various types of graphs

Customize charts in the Chart Editor

Use chart templates

Export pivot tables to other applications

Work with syntax

Use syntax to automate analyses

Use the Syntax Editor environment

Create and edit syntax

Run syntax

Control the IBM SPSS Statistics environment

Describe the features of the Options dialog box

Reset the display of variables

Set the default working data folders