

IBM SPSS Statistics (v25) - Introduction



SII-303 2 Days (Hours)

Description

This training will familiarize participants with the use of IBM SPSS Statistics for the typical data analysis process. Participants will learn the basics of reading, defining, modifying and analyzing data, as well as presenting analysis results. Participants will also see how easy it is to integrate their data into IBM SPSS Statistics and then focus on analyzing the information. In addition to becoming familiar with the basic principles of the tool, participants will discover shortcuts that will allow them to save time. This course uses the basic functionality of IBM SPSS Statistics.

Who is this training for ?

For whom

Anyone with little or no experience using IBM SPSS Statistics
Anyone who is using a statistical package for data analysis for the first time
Anyone considering purchasing the IBM SPSS Statistics tool

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Prerequisites

Knowledge of IBM SPSS Statistics is not necessary, but a basic understanding of the software's objectives and functions is a plus

Training objectives

- Discover the features of IBM SPSS Statistics
- Know how to read data and define metadata
- Learn how to transform variables
- Be able to use functions to calculate variables
- Understand how to merge data files
- Be able to select cases for analyses
- Summarize individual variables
- Be able to describe relationships between variables
- Learn to create presentation-ready tables with custom tables

- Know how to customize pivot tables
- Be able to create and customize charts

Training program

INTRODUCTION À IBM SPSS STATISTICS

- Review basic concepts in IBM SPSS Statistics
- Identify steps in the research process
- Review basic analyses
- Use help

LIRE DES DONNÉES ET DÉFINIR DES MÉTADONNÉES

- Data sources overview
- Read data from databases
- Read data from Microsoft Excel
- Set properties variables

TRANSFORMER LES VARIABLES

- Calculate new variables
- Recode nominal, ordinal and scale variable values
- Create a numeric variable from a string variable
- Explore advanced variable transformations

UTILISER DES FONCTIONS POUR CALCULER DES VARIABLES

- Use statistical functions
- Use logical functions
- Use missing value functions
- Use conversion functions
- Use system variables
- Use the Data and Time Wizard

DÉFINIR L'UNITÉ D'ANALYSE

- Remove duplicate cases
- Create aggregated datasets
- Restructure datasets

FUSIONNER DES FICHIERS DE DONNÉES

- Add cases from one dataset to another
- Add variables from one dataset to another
- Enrich a dataset with aggregated information

SÉLECTIONNER LES CAS POUR LES ANALYSES

- Select a case for analysis
- Run analyzes for subgroups

RÉSUMER LES VARIABLES INDIVIDUELLES

- Set measurement levels
- Summarize categorical variables with frequencies
- Summarize scale variables with frequencies and descriptors

DÉCRIRE LA RELATION ENTRE LES 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

CRÉER DES TABLEAUX PRÊTS POUR LA PRÉSENTATION AVEC DES TABLEAUX

- Identify table layouts
- Create tables for variables with categorical categories
- Create tables for variables representing a multiple answer question

PERSONNALISER LES TABLEAUX CROISÉS DYNAMIQUES

- Perform automated output editing
- Customize pivot tables in the Pivot Table Editor
- Use table templates
- Export pivot tables to other applications

CRÉER ET PERSONNALISER DES GRAPHIQUES

- Use the chart builder to create different types of charts
- Customize charts in the chart editor
- Use chart templates
- Export pivot tables to other applications

TRAVAILLER AVEC LA SYNTAXE

- Use syntax to automate analyses
- Use the syntax editor environment
- Create and edit syntax
- Run the syntax

CONTRÔLE DE L'ENVIRONNEMENT IBM SPSS STATISTICS

- Describe the features of the Options dialog box
- Reset variable display
- Set default working data folders