

What are some helpful tutorials for exploring data using the SAS software?

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There are a variety of tutorials available for individuals looking to explore data using the SAS software. These tutorials provide step-by-step instructions and demonstrations on how to navigate and utilize the software's features for data analysis. Some helpful tutorials include the SAS e-Learning courses, which offer interactive lessons on various topics such as data management, statistical analysis, and data visualization. Additionally, the SAS Support Communities provide a platform for users to ask questions and receive guidance from experienced SAS users. Other resources include the SAS Training YouTube channel, which offers video tutorials on specific SAS tasks, and the SAS Blogs, which provide tips, tricks, and best practices for using the software. Overall, these tutorials are beneficial for those looking to gain a better understanding of the SAS software and its capabilities for exploring data.

Part 1: Viewing the Data

Unlike programs with a graphical user interface, SAS users must take specific actions to view the contents of a dataset. This part of the tutorial covers how to print and preview data in SAS.

Dataset Summary with PROC CONTENTS After importing a dataset, it's a good idea to check that the file was read correctly and that all variables are appropriately defined. The CONTENTS procedure displays metadata and variable information for your dataset. Viewing Raw Data This tutorial discusses how to view your raw data using both the PRINT procedure and the Viewtable.

Part 2: Descriptive Statistics for Continuous Variables

Before doing any kind of hypothesis testing or model building, you should always examine your data for unusual features or patterns by looking at graphs and descriptive statistics of your data. This section covers how to generate descriptive statistics for continuous numeric variables in SAS.

Descriptive Statistics using PROC MEANS (Coming Soon) The MEANS procedure is used to obtain basic descriptive statistics. This tutorial covers some of the most popular options and statements of the MEANS procedure. Descriptive Statistics using PROC UNIVARIATE (Coming Soon) In addition to producing descriptive statistics, the UNIVARIATE procedure can also produce tests of normality, tests of location, and probability plots. This tutorial covers some of the most popular options and statements of the UNIVARIATE procedure.

Part 3: Descriptive Statistics for Categorical Variables

When working with categorical variables, you must still examine your data for unusual trends, patterns, or errors. However, most of the measures that are valid for continuous numeric variables do not apply to categorical variables. In this section, we cover appropriate descriptive statistics for categorical variables.

Frequency Tables using PROC FREQ This tutorial covers some of the most popular options and statements of the FREQ procedure for creating frequency tables. Crosstabs using PROC FREQ The FREQ procedure is used to create both frequency tables and cross-tabulations, or contingency tables. This tutorial shows how to create crosstabs in SAS.

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