



**STATISTICAL ANALYSIS
WITH SPSS
PRESENTED BY OLSPS**

ABOUT THIS COURSE

This course aims to help you draw better statistical inferences from your empirical research. We will start off by discussing various statistical models that you can apply to your research to assist you in answering the different questions that you might be interested in.

You will also learn how to decide on the sample size for your study, and then how to interpret and report the results after your successful statistical analysis.

THIS COURSE IS FOR YOU IF...

- You want to learn how to do inferential statistics using SPSS
- You want to improve your statistical inference skills

WHAT YOU WILL ACCOMPLISH

At the end of this course you will be able to:

- Explain the logic and appropriate applications of statistical techniques
- Calculate the necessary statistics to solve problems
- Interpret the statistical output and report the results



REQUIREMENTS

This course assumes that you have no prior knowledge on SPSS Statistics or descriptive statistics, but that you have a very basic grasp on mathematics and computers.

WHAT YOU'LL LEARN

CHAPTER 1

Learn about statistical concepts used in the research process.

CHAPTER 2

Learn the correct statistical model to apply in your research.

CHAPTER 3

Perform exploratory data analysis and identify statistical bias.

CHAPTER 4

Identify the appropriate hypothesis testing procedure based on an outcome variable.

CHAPTER 5

Calculate and interpret the correlation between variables.

CHAPTER 6

Learn about regression analyses and determine whether the model is significant.

CHAPTER 7

Understand the appropriate uses of a t-test, and how to apply it to your research.

SYSTEM REQUIREMENTS

To complete this course you will need a computer with SPSS Statistics v27.0 installed, and you should be familiar with using a computer. You also need a minimum of 2GB free space on your hard drive.