

# WORKSHOP

# SPSS: ADVANCED COURSE

## DATE & TIME

November 18<sup>th</sup>; 9:30 – 18:30

## LOCATION

Edifício Egas Moniz

Faculdade de Medicina da Universidade de Lisboa

Avenida Professor Egas Moniz, 1649-028 Lisboa – Portugal

> [Location](#) on Google Maps®

## SPEAKER

**Nilza Gonçalves**

Master in Statistics and Information Management

Faculty of Medicine of the University of Lisbon

## DURATION

9h

## MAXIMUM PARTICIPANTS

15 participants

## PRICE

40€ per participant

## LANGUAGE

Portuguese

## THEMES & CONTENT

- > Review of concepts of statistical inference (statistical distribution, error, p-value, confidence intervals)
- > Review of simple and multiple linear regression analysis (model estimation, variables and types of models; coefficient interpretation; results' presentation; SPSS application)
- > Logistic regression (model estimation, assumptions and variables; coefficient interpretation; results' presentation, SPSS application)
- > Receiver Operating Characteristic (ROC) curves (model estimation and SPSS application)
- > Survival analysis (Kaplan-Meier curves; Regression Model of Cox – coefficient interpretation, results' presentation; SPSS application)

## GOALS

- > Accomplish knowledge and skills on multivariate data analysis and statistical models in the context of clinical investigation, using SPSS resources as software.
- > Correct application to practical cases, including the ability to choose the most adequate statistical model and interpretation of collected data