

ID	2504
Curricular Unit	Statistics
Regent	Paula Marta Bruno
Learning Outcomes	<p>The objectives of this course are:</p> <p>(i) provide fundamental concepts of statistics, which constitute an indispensable tool for scientific research on an experimental basis;</p> <p>(ii) develop the ability to analyze real data using statistical software (in case, the SPSS) to illustrate the application of the methods discussed.</p>
Syllabus	<p>A Exploratory data analysis</p> <p>Statistical inference</p> <p>Linear regression models</p> <p>Time series</p> <p>Laboratory of statistics - data analysis</p>
Evaluation	<p>The approval in the course is obtained with final score greater than or equal to 10 values.</p> <p>A written exam is carried out in a scholar period scheduled by the pedagogical board. An oral exam is possible upon teachers approval, but only with a score greater than or equal to 9 values in the written.</p>
Bibliography	<p>Main bibliography:</p> <p>Chatfield, C. (1995), Problem Solving - a Statistician's Guide (2nd ed.), Boca Raton, Florida: Chapman and Hall/CRC.</p> <p>Field, A. (2010), Discovering Statistics Using SPSS (3rd ed.), London: Sage.</p> <p>Makridakis, S., Wheelwright, S., and Hyndman, R. (1998), Forecasting - Methods and Applications (3rd ed.), New York: John Wiley and Sons.</p> <p>Montgomery, D. C., Peck, E. A., and Vining, G. G. (2006), Introduction to Linear Regression Analysis (4th ed.), New York: John Wiley and Sons.</p> <p>Pallant, J. (2011), SPSS - Survival Manual (4th ed.), Glasgow: McGraw-Hill.</p> <p>Complementary bibliography:</p> <p>Marôco, J. (2014), Análise Estatística com o SPSS Statistics (6ª ed.), Lisboa: Report Number.</p> <p>Sheskin, D. J. (2007), Handbook of Parametric and Nonparametric Statistical Procedures (4th ed.), Boca Raton, Florida: Chapman and Hall/CRC.</p> <p>Zar, J. H. (2010), Biostatistical Analysis (5th ed.), Upper Saddle River, New Jersey: Prentice Hall.</p>