



## Teaching Guide

Identifying Data					2015/16
Subject (*)	ESTADÍSTICA		Code	730G04008	
Study programme	Grao en enxeñaría en Tecnoloxías Industriais				
Descriptors					
Cycle	Period	Year	Type	Credits	
Graduate	2nd four-month period	First	FB	6	
Language	Spanish				
Teaching method	Face-to-face				
Prerequisites					
Department	Análise Económica e Administración de Empresas				
Coordinador	Garcia del Valle, Alejandro		E-mail	alejandro.garcia.delvalle@udc.es	
Lecturers	Crespo Pereira, Diego		E-mail	diego.crespo@udc.es	
	Garcia del Valle, Alejandro			alejandro.garcia.delvalle@udc.es	
	Ríos Prado, Rosa			rosa.rios@udc.es	
Web					
General description					

## Study programme competences / results

Code	Study programme competences / results

## Learning outcomes

Learning outcomes	Study programme competences / results		
Capacity for abstraction, understanding, analysis and simplification of instances and processes.	A1	B2 B3 B4 B5 B6 B7	C1 C4
Using statistical software for solving engineering problems involving randomness and large volume of data.	A1		C1
Ability to solve statistical problems encountered in engineering.	A1		C1

## Contents

Topic	Sub-topic
Introduction to Statistics	
2. Exploratory data analysis.	
3. Probability.	
4. Random variables.	
5. Discrete random variables and probability distributions.	
6. Continuous random variables and probability distributions.	
7. Joint probability distributions.	
8. Statistical inference.	
9. Point estimation of parameters.	
10. Statistical intervals for a single sample.	
11. Test of hypotheses for a single sample.	
12. Regression and analysis of variance (ANOVA).	

## Planning

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Subjects that it is recommended to have taken before
Subjects that are recommended to be taken simultaneously
Subjects that continue the syllabus
ORGANIZACIÓN DE EMPRESAS/730G03024 SIMULACIÓN DE PROCESOS INDUSTRIAIS E OPTIMIZACIÓN/730G04065
Other comments
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