



UNIVERSITÀ DI PAVIA

Anno Accademico 2015/2016

QUANTITATIVE METHODS FOR APPLIED BUSINESS STATISTICS

Anno immatricolazione	2014/2015
Anno offerta	2015/2016
Normativa	DM270
SSD	SECS-S/06 (METODI MATEMATICI DELL'ECONOMIA E DELLE SCIENZE ATTUARIALI E FINANZIARIE)
Dipartimento	DIPARTIMENTO DI MATEMATICA 'FELICE CASORATI'
Corso di studio	MATEMATICA
Curriculum	PERCORSO COMUNE
Anno di corso	2°
Periodo didattico	Primo Semestre (01/10/2015 - 15/01/2016)
Crediti	6
Ore	66 ore di attività frontale
Lingua insegnamento	INGLESE
Tipo esame	SCRITTO E ORALE CONGIUNTI
Docente	LIJOI ANTONIO (titolare) - 6 CFU
Prerequisiti	Some basic notions and techniques of Statistical Inference will be recalled at the beginning of the course. Nonetheless, students will considerably benefit from some familiarity with problems of point estimation, interval estimation and hypothesis testing as they are commonly illustrated in introductory Statistics courses
Obiettivi formativi	<p>The course aims at providing basic understanding of statistical data analysis and modelling using a hands-on approach.</p> <p>Lectures are complemented by an introduction to the statistical software R.</p>
Programma e contenuti	<ul style="list-style-type: none">- Linear regression- Classification trees and smoothing splines- Logistic regression

	<ul style="list-style-type: none"> - Principal components - Cluster Analysis
Metodi didattici	Class lectures consist in the projection and discussion of slides, which are made available online to students for download. The statistical methodologies that are described during lectures are always motivated by specific examples with real data.
Testi di riferimento	Jank, W. (2011). Business Analytics for Managers. Springer, New York. Afifi, A., May, S. and Clark, V.A. (2012). Practical Multivariate Analysis. Taylor and Francis, Boca Raton.
Modalità verifica apprendimento	Written test
Altre informazioni	Exam grade average: 26.2
Obiettivi Agenda 2030 per lo sviluppo sostenibile	\$lbl_legenda_sviluppo_sostenibile