



# UNIVERSITÀ DI PAVIA

Anno Accademico 2015/2016

## QUANTITATIVE METHODS FOR APPLIED BUSINESS STATISTICS

<b>Anno immatricolazione</b>	2015/2016
<b>Anno offerta</b>	2015/2016
<b>Normativa</b>	DM270
<b>SSD</b>	SECS-S/06 (METODI MATEMATICI DELL'ECONOMIA E DELLE SCIENZE ATTUARIALI E FINANZIARIE)
<b>Dipartimento</b>	DIPARTIMENTO DI SCIENZE ECONOMICHE E AZIENDALI
<b>Corso di studio</b>	INTERNATIONAL BUSINESS AND ECONOMICS - ECONOMIA E MANAGEMENT INTERNAZIONALE
<b>Curriculum</b>	PERCORSO COMUNE
<b>Anno di corso</b>	1°
<b>Periodo didattico</b>	Primo Semestre (28/09/2015 - 22/12/2015)
<b>Crediti</b>	6
<b>Ore</b>	44 ore di attività frontale
<b>Lingua insegnamento</b>	INGLESE
<b>Tipo esame</b>	SCRITTO E ORALE CONGIUNTI
<b>Docente</b>	LIJOI ANTONIO (titolare) - 6 CFU
<b>Prerequisiti</b>	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
<b>Obiettivi formativi</b>	<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>
<b>Programma e contenuti</b>	<ul style="list-style-type: none"><li>- Linear regression</li><li>- Classification trees and smoothing splines</li></ul>

	<ul style="list-style-type: none"> <li>- Logistic regression</li> <li>- Principal components</li> <li>- Cluster Analysis</li> </ul>
<b>Metodi didattici</b>	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.
<b>Testi di riferimento</b>	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.
<b>Modalità verifica apprendimento</b>	Written test
<b>Altre informazioni</b>	Exam grade average: 26.2
<b>Obiettivi Agenda 2030 per lo sviluppo sostenibile</b>	<a href="#">\$Ibl legenda sviluppo sostenibile</a>