



UNIVERSITÀ DI PAVIA

Anno Accademico 2019/2020

DATA SCIENCE	
Enrollment year	2019/2020
Academic year	2019/2020
Regulations	DM270
Academic discipline	SECS-S/01 (STATISTICS)
Department	DEPARTMENT OF ECONOMICS AND MANAGEMENT
Course	ECONOMICS, FINANCE AND INTERNATIONAL INTEGRATION
Curriculum	Finance
Year of study	1°
Period	1st semester (23/09/2019 - 21/12/2019)
ECTS	9
Lesson hours	66 lesson hours
Language	English
Activity type	WRITTEN AND ORAL TEST
Teacher	GIUDICI PAOLO STEFANO (titolare) - 9 ECTS
Prerequisites	Statistics
Learning outcomes	Introduction to data science methods, software codes and applications
Course contents	Descriptive statistics. Cluster analysis. Network models. Linear regression. Logistic regression. Tree models. Factor analysis. Neural networks. Application to fintech risk management.
Teaching methods	Papers, R software codes, data
Reccomended or required readings	Handed out during the class.
Assessment methods	Written exam and discussion of a case study.

