



UNIVERSITATEA „ALEXANDRU IOAN CUZA” din IAȘI

## FACULTATEA de ECONOMIE ȘI ADMINISTRAREA AFACERILOR

### TUTORIAL COURSE FORM

#### 2025-2026 ACADEMIC YEAR

Name of the tutorial course (incoming Erasmus/exchange students)	Multivariate Statistics
Name of the professor	Carmen PINTILESCU
Email of the professor	<a href="mailto:carmen.pintilescu@uaic.ro">carmen.pintilescu@uaic.ro</a>
Office of the professor Consultation days/hours	B321 (groundfloor)
Semester(s) in which the tutorial course is available	1st Semester
No. of ECTS credits	5
Level of study (bachelor/master/PhD)	Bachelor
Short description/Contents	<i>Description:</i> The course will present the statistical methods applied for analysing the relationship between quantitative variables and qualitative variables. <i>Content:</i> Principal Component Analysis (PCA); Factorial Analysis (FA); Correspondence Analysis (CA); Multiple Correspondence Analysis (MCA); Case studies in SPSS.
Assessment/Evaluation	1. Individual Project using the statistical software SPSS or R (40%) 2. Oral presentation (60%)
Bibliography	1. Escofier, B., Pages, J., Analyses factorielles simples et multiples, 5ème édition, Editure Dunod, Paris, 2016. 2. Everitt, B.S., Dunn, G., Applied Multivariate Data Analysis, Arnold, London, 2001. 3. Field, A., Miles, J., Field, Z., Discovering Statistics Using R, Sage Publications Ltd, 2012 4. Hair, J., Black, W., Babin, B., Anderson, R., Tatham, R., Multivariate Data Analysis, Pearson Education International, 2006. 5. Tabachnick B., Fidell L., Using Multivariate Statistics, Pearson International Edition, 2007.
Observations	



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