

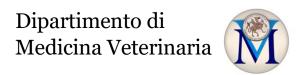
General information			
Academic subject	STATISTICS integrated module of Economy and Statistics		
Degree course	Veterinary Medicine		
Academic Year	2021/2022		
European Credit Transfer and Acc	umulation System (ECTS) 3		
Language	Italian		
Academic calendar (starting and e	ending date) II Bimester		
Attendance	Mandatory		

Professor/ Lecturer		
Name and Surname	Vincenzo Landi	
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Department and address	Veterinary Medicine Campus – Valenzano (BA)	
Virtual headquarters	Teams code: xk68c52	
Tutoring (time and day)	The teacher receives personally by agreement or via e-mail and Teams any day, except for institutional commitments:	

Syllabus			
Learning Objectives	The course aims to prepare the student with preparatory knowledge by providing general concepts of preparation, reading and interpretation of data including their collection and graphic presentation.		
Course prerequisites	Mathematics, elementary computer science		
Contents	Introduction to statistics and verification of preparatory notions. Descriptive statistical analysis, variables, and factor concepts. Concept of probability and its application, statistical distributions. Basics of probability and inference. Analysis of variance, linear regression and hints of multiple regression, non-parametric tests. Experimental design. Practical exercises using R and MS Excel		
Books and bibliography	book: Elementi di Statistica di Base per le scienze Zootecniche; Giuseppe Conte, Corrado Dimauro, Niccolo Macciotta. Ed. EFG per ASPA - 2018 Fowler Jim, Jarvis Phil, Chevannes Mel – "Statistica per le professioni sanitarie" Ed. EdiSES a cura di Corrado Magnani (2011); lecture notes		
Additional materials	There are several valid texts, the student is invited to consult the teacher to evaluate their usefulness.		

Work schedule					
Total	Lectures		Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours	
Hours					
75	16		25	34	
ECTS					
3	2		1		
conne		connecte	tical lessons will take place in the classroom, using a personal computer ted to a projector, to show, at the same time as the explanation, power point nd explanatory videos.		
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Expected learning	goutcomes	The skills acquired will be evaluated continuously during the course, through			





	questions and case studies related to the course. The learning outcomes covered are represented by:		
Knowledge and understanding on:	Knowledge suitable for understanding a joint of data and the strategies used to extrapolate useful information or to produce predictions on repeated events.		
Applying knowledge and understanding on:	Knowledge of the usefulness of statistical analysis as tools for understanding events or for understanding the trend of phenotypes related to production or anima health.		
Soft skills	Ability to identify the most suitable strategies for application in animals of zootechnical interest or in those of affection with particular attention to interactions with other disciplines. The ability to interpret and use data and reports from other disciplines and integrate this information for more effective action.		

Assessment and feedback				
Methods of assessment	The skills acquired will be assessed towards the end of the course, through questions and practical exercises on topics related to the course. At the end of the course, the student must be able to:			
Evaluation criteria	 Knowledge and understanding: o Know the methods of data collection and preparation o Know the main techniques of exploration and description of a dataset o Knowing the variability analysis strategies and making predictions and inferences. Applied knowledge and understanding: o Knowing how to extract and use data in the zootechnical and veterinary fields. o Knowing how to decide the appropriate statistical tool for the interpretation of the phenomenon. Autonomy of judgment: o Being able to express his opinion independently Communication skills: o good ability to present the proposed topics Ability to learn: Correct answers to the questions / topics proposed / I. 			
Criteria for assessment and attribution of the final mark	The assessment of the learning achieved takes place through a written exam consisting of multiple-choice questions and supplementary open-ended questions, with the aim of ascertaining the degree of knowledge of the proposed topics. The vote is expressed out of thirty. The minimum mark to pass the exam is 18. The evaluations with the highest score are attributed to students capable of using the correct scientific terminology and with good exposition skills.			
Additional information	3, 3 .			