

Materia 4_06: Machine Learning

Materia:	Machine Learning	ECTS:	10
Descriptores	<ul style="list-style-type: none">• Automatic Learning. Computational Learning. Optimisation Techniques. Support Vector Machines. Multilayer Neural Networks. Probabilistic graphic models.• Kernels and LDA. Trees, forests, bagging and boosting. Examples based models		
Objetivos generales	This subject has the objective of achieving the basic knowledge necessary to be able to develop applications in the field of ML		
Competencia específica	CE [4-06]: Know the fundamentals, paradigms, and techniques typical of machine learning and to apply these techniques in any application environment.		
Resultados de aprendizaje	<ul style="list-style-type: none">• To know and develop computational learning techniques and design and implement applications and systems that use them, including those aimed at the automatic extraction of knowledge and information from large data volumes.• To Know the concepts and techniques of automatic learning to solve perception problems such as image and speech recognition.		
Métodos de evaluación	<ul style="list-style-type: none">• Evaluation: Student participation, project, written test and academic work.• Assessment instruments: rubrics, checklists and assessment scales.		