



COURSE: Machine Learning I		
MASTER UNIVERSITARIO EN MÉTODOS ANALÍTICOS PARA DATOS MASIVOS: BIG DATA Teacher: Ricardo Aler	ECTS:3	TERM: 2

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	GROUP		Special room for session	WEEKLY PROGRAMMING FOR STUDENT		
			1	2		DESCRIPTION	CLASS HOURS	HOMEWORK HOURS
1	1	Basic methods: Nearest neighbor, trees, and rules	X			Theory	1.5h	2h
1	2	Basic methods: Nearest neighbor, trees, and rules	X			Practice	1.5h	2h
2	1	Methodology / Machine Learning Pipeline	X			Theory	1.5h	2h
2	2	Methodology / Machine Learning Pipeline	X			Practice	1.5h	2h
3	1	Preprocessing. Attribute selection	X			Theory	1.5h	2h
3	2	Preprocessing. Attribute selection	X			Practice	1.5h	2h



4	1	Ensembles: bagging & boosting	X			Theory	1.5h	2h
4	2	Ensembles: bagging & boosting	X			Practice	1.5h	2h
5	1	MapReduce and Spark	X			Theory	1.5h	2h
5	2	MapReduce and Spark	X			Practice	1.5h	2h
6	1	On-line learning and streaming	X			Theory	1.5h	2h
6	2	On-line learning and streaming	X			Practice	1.5h	2h
7	1	Methods for imbalanced datasets	X			Theory	1.5h	2h
7	2	Methods for imbalanced datasets	X			Practice	1.5h	2h
TOTAL							21	28