



SUBJECT: Predictive Modeling

MASTER DEGREE: Master in Big Data Analytics

ECTS: 3

QUARTER: 1

TIMETABLE FOR THE SUBJECT

WEEK	SESSION	DESCRIPTION OF EACH SESSION	GROUP (X mark)		Indicate if a different lecture room is needed (computer, audiovisual, etc.)	HOMEWORK PER WEEK		
			1	2		DESCRIPTION	ATTENDING HOURS	HOMEWORK Max. 7H/WEEK
1	1	Topic 1. Introduction Topic 2. Linear models I: multiple linear model	X			Review and study of the materials	3	5
2	2	Topic 2. Linear models I: multiple linear model	X			Review and study of the materials	3	5
3	3	Topic 3. Linear models II: model selection, extensions, and diagnostics	X			Review and study of the materials	3	5
4	4	Topic 4. Linear models III: shrinkage and big data	X			Review and study of the materials	3	5
5	5	Topic 5. Generalized linear models	X			Review and study of the materials	3	5
6	6	Topic 5. Generalized linear models Topic 6. Nonparametric regression	X			Review and study of the materials	3	5



7	7	Topic 6. Nonparametric regression	X			Review and study of the materials	3	5
TOTAL HOURS							21	35