



**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
<b>TOTAL HOURS</b>							<b>21</b>	<b>35</b>