SUBJECT: REGRESSION MODELS		
MASTER DEGREE: STATISTICAL DATA SCIENCES	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	Revision of the linear regression model. Data analysis. Examples with R. Exercises	X			Revision of theory. Exercises assigned	3	6
2	2	Introduction to generalized linear models. Exponential family. Estimation. Inference. Exercises	X			Revision of theory. Exercises assigned	3	6
3	3	Logistic regression. Analysis of binary data with R. Prediction. Case studies	X			Revision of theory. Exercises assigned	3	6
4	4	Multinomial, Ordinal and Poisson Regression. Data analysis with R. Case studies.	X			Revision of theory. Exercises assigned	3	6
5	5	Smoothing methods. Smoothers. Addotive models with R. Case studies	X			Revision of theory. Exercises assigned. Work on finalproject	3	6
6	6	Generalized additive models. Estimation. Inference. Case studies	X			Revision of theory. Exercises assigned. Work on final project	3	6

7	1	Presentation of final projects	X			Working on final project	3	7
TOTAL HOURS							21	43