Universidad Carlos III de Madrid

SUBJECT: BAYESIAN LEARNING		
MASTER DEGREE: BIG DATA ANALYTICS	ECTS: 3	QUARTER: 3

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	Introduction to Bayesian learning	X			Reading and studying of materials	1.5	3
1	2	Naïve Bayes	X			Reading and studying of materials	1.5	3
2	3	Bayesian Networks I	X			Reading and studying of materials & preparation of individual assignment I	1.5	3.5
2	4	Bayesian Networks I	X			Reading and studying of materials & preparation of individual assignment I	1.5	3.5
3	5	Bayesian Networks II	X			Reading and studying of materials	1.5	3

3	6	Bayesian Networks II	X			Reading and studying of materials	1.5	3
4	7	Regression	X			Reading and studying of materials & preparation of individual assignment II	1.5	3.5
4	8	Regression	X			Reading and studying of materials & preparation of individual assignment II	1.5	3.5
5	9	Non-linear and non-parametric regression	X			Reading and studying of materials	1.5	3
5	10	Non-parametric regression and classification	X			Reading and studying of materials	1.5	3
6	11	Clustering methods	X			Reading and studying of materials & preparation of individual assignment III	1.5	3.5
6	12	Clustering methods	X			Reading and studying of materials & preparation of	1.5	3.5

						individual assignment III		
7	13	Time series and forecasting	X			Reading and studying of materials	1.5	3
7	14	Time series and forecasting	X			Reading and studying of materials	1.5	3
8	15	Presentation of group projects	X			Preparation of group projects	1.5	3
8	16	Presentation of group projects	X			Preparation of group projects	1.5	3
TOTAL HOURS							24	51