

COURSE:	Data Processing		
MASTER:	Master in Telecommunication Engineering	YEAR: 1	TERM: 1

WEEKLY PLANNING							
WEE	SE	DESCRIPTION	Special room	Session with	WEEKLY PROGRAMMING FOR STUDENT		
к	SSIO		for session	more tan	DESCRIPTION	CLASS	HOMEWO
	N		(computer	one teacher.	DESCRIPTION	HOURS	<b>RK HOURS</b>
			classroom,				(MAX.
			audio-visual				7,5 H)
1	1	Interduction, concerning classification and data analysis	classroom)		Diblic complete surface tion	1 h 40 m	7.5
1	1	Introduction: regression, classification and data analysis				1 h 40 m	7,5
	2	Data pre-processing (1): Normalization. Dimensionality Reduction			Concept review. Problem solving	1 h 40 m	7.5
2	3	Data pre-processing (2): Clustering			Concept review. Problem solving	1 h 40 m	7,5
	4	Data analysis in Python.	Computer		Programming	1 h 40 m	
3	5	Regression (1): Non-parametric methods	Classicolli		Studying class topics. Bibliographic exploration	1 h 40 m	7.5
_	6	Data analysis in Python (II)	Computer		Programming, simulation, experiments.	1 h 40 m	
			classroom				
4	7	Regression (2): Linear regression. Maximum likelihood.			Studying class topics. Bibliographic exploration	1 h 40 m	7,5
	8	Regression (3): Problems			Problem solving	1 h 40 m	
5	9	Regression (4): Bayesian regression			Problem solving.	1 h 40 m	7,5
	10	Regression (5): Lab session	Computer		Programming, simulation, experiments.	1 h 40 m	
			classroom				
6	11	Regression (6): Problems			Studying class topics. Bibliographic exploration	1 h 40 m	7,5
	12	Regression (7): Lab session	Computer		Programming, simulation, experiments	1 h 40 m	
			classroom				
7	13	Classification (1): Introduction: k-NN classification			Studying class topics. Bibliographic exploration	1 h 40 m	7,5
	14	Classification (2): Logistic regression			Studying class topics. Bibliographic exploration	1 h 40 m	
8	15	Classification (3):Logistic regression: Optimization			Studying class topics. Bibliographic exploration	1 h 40 m	7,5
	16	Classification (4): Presentation of the classification challenge			Planning challenge work.	1 h 40 m	
9	17	Classification (5): Neural Networks			Studying class topics. Bibliographic exploration.	1 h 40 m	7,5
	18	Classification (6): Lab session	Computer		Programming, simulation, experiments.	1 h 40 m	
			classroom				
10	19	Classification (7): Neural Networks (II).			Studying class topics. Bibliographic exploration	1 h 40 m	7,5
	20	Classification (8): Lab session	Computer		Programming, simulation, experiments	1 h 40 m	
			classroom				
11	21	Classification (9): Problems			Studying class topics. Bibliographic exploration	1 h 40 m	7,5

	22	Classification (19): Lab session	Computer	Programming, simulation, experiments	1 h 40 m	
			classroom			
12	23	Topic Models (I): Introduction. Text analysis		Studying class topics. Bibliographic exploration	1 h 40 m	7,5
	24	Topic Models (II): Algorithms		Studying class topics. Bibliographic exploration	1 h 40 m	
13	25	Topic Models (III): Algorithms (II)		Studying class topics. Bibliographic exploration	1 h 40 m	7,5
	26	Final Project	Computer	Programming, simulation, experiments.	1 h 40 m	
			classroom			
14	27	Problems		Problem solving	1 h 40 m	5,8
	28	Final Project	Computer	Programming, simulation, experiments	1 h 40 m	
			classroom			
	29	Final Project	Computer	Programming, simulation, experiments.	1 h 40 m	
			classroom			
SUBTOTAL				46,7 + 103,3 = 150		
15-						
16						
17-		Assesment			3	
18						
TOTAL					153	