

<b>SUBJECT: Statistical Inference</b>		
<b>MASTER: Master in Business Economics and Quantitative Methods</b>	<b>COURSE: 1</b>	<b>TERM: 1<sup>st</sup></b>

**SCHEDULE of the SUBJECT**

WEEK	Session	DESCRIPTION OF CONTENTS of EACH SESSION	Weekly Students work	
			DESCRIPTION	Working Hours
1	1	Introduction to Exploratory Data Analysis (EDA)	Study of material of chapter 1 (presentation, recommended books and tutorials).	5
1	2	Introduction to R and Stata frameworks	Study of material related with programs R and Stata.	
2	3	Introduction to Exploratory Data Analysis (EDA)	Study of material of chapter 1 (presentation, recommended books and tutorials).	5
2	4	Examples of data analysis in R and/or Stata	Study of material related with programs R and Stata.	
3	5	Introduction to probability theory	Study of material of chapter 2 (presentation, recommended books and tutorials).	5
3	6	Introduction to probability theory	Study of material of chapter 2 (presentation, recommended books and tutorials).	
4	7	Exercises and examples of probability theory	Study and solution of problems and exercises of chapter 2.	5
4	8	Exercises and examples of probability theory	Study and solution of problems and exercises of chapter 2.	
5	9	Midterm exam	Exam	5
5	10	Introduction to Statistical Inference	Study of material of chapter 3 (presentation, recommended books and tutorials).	
6	11	Mehods of estimation	Study of material of chapter 3 (presentation, recommended books and tutorials).	4
6	12	Construction of estimators	Study of material of chapter 3 (presentation, recommended books and tutorials).	
7	13	Exercises and examples of Inference	Study and solution of problems and exercises of chapter 3.	5
7	14	Confidence intervals and hypothesis tests	Study of material of chapter 3 (presentation, recommended books and tutorials).	
8	15	Final Exam	Exam	