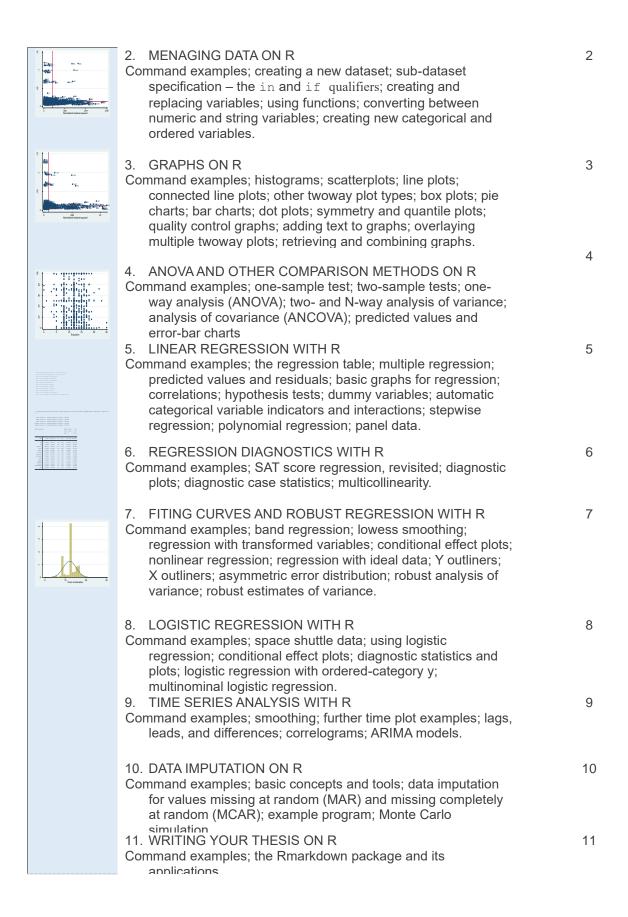
Course	R CODING FOR PUBLIC POLICY DECISIONS  MSc in Public Policy and Management						
	Type ELECTIVE	Semester III	ECTS 4	Code			
Course			<del></del>				
Course objectives and learning outcomes	R is one of the major languages for data science, and widely applied in decision science. Similar to many other social science subdisciplines, decision science relies on data. If we want to bring meaning in the word "science" on the name of the decision science subdiscipline, then collecting and analysing data should be our main activities and their study should be an important component of our program.  Today, studying decision science is experiencing intensive and extensive computerization. The dramatic increase of available data has brought about the need to master computer programs and programming languages that would perform calculations of the large amount of data that we possess. Those skills are a must not only in the academic research activity, but also in a professional life as public servants or public policy drafters and implementers. Most of the quality job calls today in our country and around the world ask for candidates with knowledge in statistical packages and programming languages.  This course aims at introducing master students in the world of statistical analysis with the programming language R. Its objective is that at the end of the course, students could confidentially write in their CV-s a decent knowledge of the R programming language.  This course aims at strengthening the skills component of our program. Moreover, this course represents one more component of our orientation toward research-oriented teaching, which would allow students more independence in the data manipulation and analysing process. Another outcome of this course is the strengthening of students' knowledge acquired in another important course of this program, Advanced Quantitative Research Methods.						
	Although this course is rooted in statistics, our examples will come from social and behavioural sciences, especially Political Science. We will use data that other researchers have gathered as well as our own data that we have collected over the years through practicums with collecting data through public opinion surveys.						
Learning outcomes	<ol> <li>The capability to practically apply knowledge acquired in the Advanced Quantitative Research Methods course in the same program;</li> <li>Mastering the most important and practical elements of the R programming language;</li> <li>Acquiring the essentials of programming for data science;</li> <li>Student preparation to write publishable master thesis by using big data and statistical analysis.</li> </ol>						
	Weekly program			Week			
Content	INTRODUCTION TO RATHER Reditor environment and RData format; R auxiliary Journal	d R Studio; the R pad		1			



	LA Basic d aut	TRODUCTION TO PROC NGUAGE concepts and tools; exam tocorrelation; help file; m onte Carlo simulation	12			
	Acade	mic activity	Weight (%)			
Teaching methods	1.	Lectures and seminars			45%	
	2.	Lab work			45%	
	3.	Practicum (optional and	10%			
	Acade	mic obligations	Number	Week	Weight (%)	
Academic obligations	1.	Homework and/or classwork	10	2, 3, 4, 5, 6, 7, 8, 9, 10, 11	90%	
	Tools				Numri	
Sources and concretisati on tools	1.	Classroom (e.g)			1	
	2.	Computer lab (e.g)			1	
	3.	Moodle				
	4.	Software Stata, R			2	
	5.	Projector			1	
Activity and load	Activit	y type		Weekly hrs	Total	
	1.	Lectures and seminars		2	0.4	
	2.	Lab work			24	
	3.	Independent learning			30	
	4.	Homework and classwo			41	
Literature/r eferences	1.					
	2.	Ligjëratash. Prishtinë: U Eralda Dhamo. 2018. H				
Contact						