Regional Summer School for Young Economists

"Data Analysis for Public Policy"

Instructors: Merima Balavac, PhD; Marjan Petreski, PhD; Lazar Čolić, MSc
Location: Business Academy, 3rd Floor, Room 40, Skenderija 70, Sarajevo
Duration: July 09-13, 2019

Description: This course aims to examine the data currently used to evaluate public sector performance, with a focus on the art of analyzing and interpreting data for public policy purposes and of acquiring an empirical tools used in contemporary applied economics research. We will use these tools "first hand" within statistical programming package, such as STATA and R.

Training Agenda

Tuesday, July 09, 2019	
09:30 – 10:00	**Registration**
10:00 – 11:30	**Session 1** (Introduction to the classical linear regression model)
11:30 – 11:45	**Coffee break**
11:45 – 13:15	**Session 2** (Assumptions underlying the classical linear regression model)
13:15 – 14:00	**Lunch***
14:00 – 15:30	**Session 3** (Introduction to STATA)

Wednesday, July 10, 2019	
10:00 – 11:30	**Session 1** (Diagnostic testing)
11:30 – 11:45	**Coffee break**
11:45 – 13:15	**Session 2** (Diagnostic testing)
13:15 – 14:00	**Lunch***
14:00 – 15:30	**Session 3** (Further hints in Stata / Application on micro data)
15:30 – 15:45	**Coffee break**
15:45 – 17:00	**Session 4** (Dummy variables & interactions / Application of a Mincerian earnings function)

Thursday, July 11, 2019	

09:00 – 10:30	**Session 1** (Selection / Heckman two-step method)
10:30 – 10:45	**Coffee break**
10:45 – 12:15	**Session 2** (Repeated imputations / Application to wage imputation)
12:15 – 13:00	**Lunch***
13:00 – 14:30	**Session 3** (Quantile regression)

Friday, July 12, 2019

09:30 – 10:30	**Session 1** (Getting started with R)
10:30 – 10:45	**Coffee break**
10:45 – 11:45	**Session 2** (Data management)
11:45 – 12:30	**Lunch***
12:30 – 13:30	**Session 3** (Programming with R)
20:00 – 22:00	**Gala Dinner, Restaurant Tavola, Maršala Tita 50, Sarajevo**

Saturday, July 13, 2019

09:00 – 10:30	**Session 1** (Fundamentals of data analysis)
10:30 – 10:45	**Coffee break**
10:45 – 13:45	**Session 2** (Linear models)
11:45 – 12:30	**Lunch (for those who are traveling lunch box will be provided)**

Note: * Lunch will be provided to all school participants.