



# SUMMER SCHOOL ON MODERN METHODS IN BIOSTATISTICS AND EPIDEMIOLOGY

2-15 JUNE 2019



The School offers introductory and advanced courses in medical statistics and epidemiology, and their application to clinical and etiology research and public health. It is meant to provide researchers, physicians, and health professionals with insight into available analytical tools for planning research, handling data, and interpreting results. These allow the use of scientific data, including controlled experiments and well-structured observational data, as the source for decision making.

The school will be held from June 2 to June 15, 2019  
at CastelBrando, in Cison Di Valmarino, Treviso, Italy.

JUNE 2				
Stata Courses 1 (9:00-17:00)				
Meta analysis with Stata®	Basics of Stata®	Data Visualization with Stata®	Analysis of Prospective Studies using Stata®	
JUNE 3-8				
Block 1 (8:30-10:30 Lecture, 14:00-15:30 Lab)			Block 3 (8:30-17:30)	
Principles of Biostatistics	Linear Regression for Medical Research	Causal Inference in Epidemiology	Big Data Analytics in Healthcare: Value, Effectiveness and Safety*	
Block 2 (11:00-13:00 Lecture, 16:00-17:30 Lab)				
Principles of Epidemiology	Logistic Regression for Medical Research	Mediation Analysis		
JUNE 9				
Stata Courses 2 (9:00-17:00)				
Epi tables using Stata®	Basics of Stata®	Multiple Imputation with Stata®	Simulation studies in Stata®	
JUNE 10-15				
Block 4 (8:30-10:30 Lecture, 14:00-15:30 Lab)			Block 6 (8:30-17:30)	
Research Methods in Health: Biostatistics	Longitudinal Data Analysis	Molecular Epi	Monitoring and Evaluating Complex Public Health & Social Interventions	Statistical Methods for Population Based Cancer Survival Analysis
Block 5 (11:00-13:00 Lecture, 16:00-17:30 Lab)				
Research Methods in Health: Epidemiology	Survival Analysis	Nutritional Epidemiology: Principles and Application to Cancer	Joint Modelling of Longitudinal and Survival Data	

\* This course can also be taken in its second part only, starting from Thursday (further information on the website).

The course teachers come from the Harvard University, Karolinska Institutet, and other American or European Universities.

Scientific Directors: Marcello Pagano (Harvard University) and Juni Palmgren (Karolinska Institutet); Course Directors are Rino Bellocco (University of Milano-Bicocca, Karolinska Institutet), Marco Bonetti (Bocconi University), Ylva Trolle Lagerros (Karolinska Institutet)

For more Information, please visit our website [www.biostat.epi.org](http://www.biostat.epi.org) or email: [bioepiedu@ki.se](mailto:bioepiedu@ki.se)