ACCOMMODATION

Standard lodging expenses per person are € 115 per day, including accommodation in the castle and all meals. Accommodation is in double rooms; however, a small number of single rooms are available at an extra charge, on a first-come first-served basis. The castle offers accommodation both inside the castle grounds and within walking distance. Choices can be made only on a firstcome first-served basis. If different arrangements are required, they should be made with the hotel administrator in advance. More information can be found in the course application form and in the hotel accommodation form in the application section of the website.

REGISTRATION FEE

The registration fee includes only the course tuition. The final deadline for registration is **31** May 2012. Fees depend on whether the applicant is currently a student at an accredited university, or not, number of weeks, and the timing of enrollment.

2	3 weeks	2 weeks	l week			,
.	€3,000	€2,100	€1,150	Student	Registrati 31 Mare	
2	€2,300	€2,300	€1,250	General		
•	€3,500	€2,400	€1,350	Student	Registrat 31 Marc	
2	€3,800	€2,600	€1,450	General	ion after h 2012	

The fee for attending each Stata course is £400. Students attending summer school courses during the week receive a discounted fee of £250 per course.

SCHOLARSHIPS

A limited number of Scholarships are available. Scholarships cover the cost of tuition, for at most one week. Only registered students may apply. The request to be considered for a scholarship should be communicated no later than March 1, 2012. More information can be found in in the General Info section of the website.

Education Administration, Summer School

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SUMMER SCHOOL ON MODERN METHODS IN BIOSTATISTICS AND EPIDEMIOLOGY



3 - 23 JUNE 2012

Cison di Valmarino-Treviso, Italy

Castello Brandolini Colomban

* K. LOCATION A.

The School is held at the Brandolini Colomban Castle in Cison di Valmarino, 40 km north of Treviso, in Veneto, in the northeast of Italy.

The castle is now a hotel with meeting, sporting, recreational and well-being facilities. For more information, visit the homepage <u>www.castelbrando.it</u>

BIOSTATEPI.ORG

-		interpretation and practical relevance.
of univariate predictors.	sensitivity analysis, and meta-regression models.	from clinical and epidemiological studies. The focus is on
to estimate the incidence of a binary response and create a table	plots, heterogeneity across studies, publications bias,	and its extensions through a series of real-life examples
This course is designed to introduce students to basic command	preparation and input, fixed and random-effect models, forest	The course offers an introduction to quantile regression
TABLES FOR EPIDEMIOLOGISTS USING STATA® - N. ORSINI	Covers Stata commands for a variety of tasks: data	APPLIED QUANTILE REGRESSION - M. BOTTAI
framework of survival analysis.	META-ANALYSIS USING STATA® - R. D'AMICO	clinical trials.
how epidemiological cohort studies can be analysed in the	as the Cox regression model.	encompasses epidemiological follow-up studies as well as
The course aim is to introduce statistical methods for describin.	estimator of survival, log-rank tests, hazard functions as well	and repeated measures data. This type of study design
SURVIVAL ANALYSIS - P. DICKMAN	and how to analyse time-to-event data, the Kaplan-Meier	This course focuses on methods for analyzing longitudinal
analysing data with missing covariates.	Introduces students to basic survival analysis using Stata,	APPLIED LONGITUDINAL ANALYSIS - G. FITZMAURICE
estimation in the presence of competing risks, and methods for	INTRODUCTION TO STATA® FOR SURVIVAL ANALYSIS - S. ELORANTA, T. ANDERSSON	building methods, goodness-of-fit assessment.
model relative survival, cure models, flexible parametric models,	oe capaore or using oracao automously.	and effect modification, use of indicator variables, model
The course covers central concepts, such as how to estimate and	Stata®. By the end of this one-day course, the student should	regression modeling. Topics: assessment of confounding
STATISTICAL METHODS FOR POPULATION-BASED CANCER	This course is designed to introduce students to the basics in	Introductor to the prestice and explication of logistic
impact of patient exclusions and other causes of incomplete data	INTRODUCTION TO STATA® - S. VENTURINI, D. RIZZUTO	categorical predictors.
interim monitoring, and analysis of clinical trials, including the	dose-response analysis.	and use linear regression models with continuous and
Provide an introduction to the methods used in the design,	day course, the students will be able to perform and present a	This introductory course teaches students how to apply
RANDOMIZED CLINICAL TRIALS - D. HARRINGTON	covariate using different approaches. By the end of this one-	APPLIED LINEAR REGRESSION - R. BELLOCCO
the epidemiologic literature.	Introduces students to flexible modeling of a quantitative	information on the courses.
public health professionals and clinicians to critically interpret	FLEXIBLE DOSE-RESPONSE ANALYSIS WITH STATA® - N. ORSINI	Please refer to <u>www.biostatepi.org</u> for additional
This course provides on introduction to the shill product by	settings.	COURSE DESCRIPTIONS
	characteristics and delivery mechanisms of various practice	controlled trial and a case-control study.
this course.	organizational structures, financing systems, workforce	understanding of the difference between a randomized
particular imputation by channed equations. Students should be been been been been been been been	public health interventions and their relationship with the	of a hazard ratio or a confidence interval and an
The course introduces the basics of multiple imputation, in	and in the developing world assessing the effectiveness of	Examples include proper understanding of the meaning
	and present studies conducted in Furone, the United States	understanding of the research methods being used.
MULTIPLE IMPUTATION OF MISSING DATA WITH STATA® -	Introduces the core concents of evidence based mublic health	knowledge of the topic being investigated but also an
monitoring and evaluation of health programs.	EVIDENCE BASED PUBLIC HEALTH - E. SAVOIA	medical papers is also a goal and it requires not only
This course covers the basic statistical tools necessary fo	in particular all possible biases that can arise.	interpreting results. Better understanding of scientific
M. PAGANO	observational studies and of imperfect experimental studies.	This School provides participants insight into available
MONITORING AND EVALUATION OF HEALTH PROGRAMS	CAUSAL INFERENCE - A. ROTNITZKY	subspecialties, including public health science.
surveillance, nutritional epidemiology, genetic and molecular	regression, contingency tables, and survival data.	Evidence-based medicine is entering into many
introduced in Principles of Epidemiology. Topics include: diseas	comparison of outcome among groups, correlation and linear	observational data as the source for decision making.
To explore in greater depth the epidemiologic concepts	Students are introduced to more advanced methods for the	including controlled experiments and well-structured
MODERN EPIDEMIOLOGY - J. KASPERZYK	BIOSTATISTICS II - M. BONETTI	professionals are encouraged to use scientific data,
observations using multiple imputation and sensitivity analysis.	proportions.	formalized. Today researchers, physicians and health
patterns of missing data, and how to account for incomplet	diagnostic testing, population and sample, comparison of	Working model is becoming increasingly
nomenclature for missing data methods, ways to describ	statistics, measures of central tendency, probability,	in etiology research and public health.
Students will learn ways to minimize missingness, the	Introduces the fundamental principles of statistics applied to biomedicine. The toxics to be covered include: descriptive	The School offers introductory and advanced courses in
MISSING DATA IN OBSERVATIONAL AND RANDOMIZED	BIOSTATISTICS I - M. PAGANO	GOALS AND RATIONALE

ATA IN OBSERVATIONAL AND RANDOMIZED STUDIES - N.J. HORTON

RN EPIDEMIOLOGY - J. KASPERZYK

AND EVALUATION OF HEALTH PROGRAMS -M. PAGANO

IPUTATION OF MISSING DATA WITH STATA® -R. BELLOCCO

IPLES OF EPIDEMIOLOGY - J. BURING

URVIVAL ANALYSIS - P. DICKMAN