

Main Degree or Qualification, Diploma and Certificated held

Degree or Diploma: _____

Most recent employment

Employer: _____

Position held: _____

Why do you wish to attend this course?

Intended source

Self Financing Sponsor

If being sponsored, please send a letter of confirmation from your sponsor no later than 30 August 2010.

Signed: _____

Date: _____

Contact Addresses

If you need further details on the course please contact:

Laura Dallolio, Dipartimento di Medicina e Sanità Pubblica, Alma Mater Studiorum-Università di Bologna, Via San Giacomo 12, 40126 Bologna (Italy)

Tel: +39 051 2094832/Fax: +39 051 2094839

laura.dallolio@unibo.it

You can also visit the website:

<http://www.causal.altervista.org/>

Lecture and computer labs will be held at the following address:

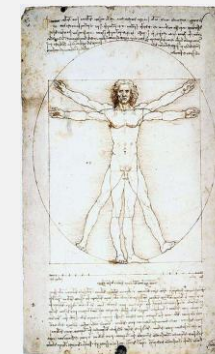
Facoltà di Scienze Statistiche
via Ranzani 3
Bologna (Italy)

Patrocinium

The course is patronized by the Italian Society of Medical Statistics (SISMEC) in collaboration with BiostatEpi.



SISMEC Working Group on Causal Inference



A short course on concepts and methods in Causal Inference

Bologna (Italy), 15-17 September 2010

Scientific Directors:

Rino Bellocco University of Milano-Bicocca
Karolinska Institutet

Maria Pia Fantini Alma Mater Studiorum-
University of Bologna

Rossella Miglio Alma Mater Studiorum-
University of Bologna

Lorenzo Richiardi University of Turin

Course Organiser:

Laura Dallolio Alma Mater Studiorum-
University of Bologna

<http://www.causal.altervista.org/>

GOALS AND RATIONALE

Causal inferences play a predominant role in science. In epidemiology, the goal and the ambition of the most part of the researchers is to determine an unbiased estimate of the effect of being exposed to a given risk factor on a well defined outcome (disease, death).

In recent years, there have been important statistical developments that go beyond the traditional multivariate regression techniques in order to obtain unbiased estimates.

Aims of this course are to discuss the current state of the art with respect to these issues, while retaining a practical focus, and to assess our current and future abilities to address cause-and-effect questions effectively.

COURSE DESCRIPTION

15 September 2010 (9 a.m - 6 p.m)

Basic concepts in epidemiology seen through causal inference and causal diagrams: measures of association, bias, confounding, missing values.

16 September 2010 (9 a.m - 6 p.m)

Causal Estimation methods: propensity score, inverse probability weighting, marginal structural models.

17 September 2010 (9 a.m - 3.30 p.m)

Time-varying confounders; estimate of indirect and direct effects.

Teaching will be based on combination of formal lectures and computer practicals.

Each day there will be a 2-hour section with invited speakers and selected presentations on case-studies.

Teachers:

Rino Bellocco (University of Milano-Bicocca)

Rhian Daniel (London School of Hygiene and Tropical Medicine)

Bianca De Stavola (London School of Hygiene and Tropical Medicine)

Costanza Pizzi (London School of Hygiene and Tropical Medicine and University of Turin)

Lorenzo Richiardi (University of Turin)

Arvid Sjolander (Karolinska Institutet)

WHO SHOULD APPLY?

Epidemiologists and statisticians with interest in epidemiology, or researchers with similar background.

The course is thought at an introduction/intermediate level.

Request for ECM accreditation has been submitted.

COURSE FEE

The total course fee is 250 €, which covers **only** participation in the course, materials, coffee breaks and lunches. Fees are payable **in full by 30 August 2010**. Upon acceptance, payment details will be provided.

An early application will count as a priority element for admission.

A list of hotels and other accommodation options will be provided.

Applicants should complete the application form attached or download it from the Causal Inference Working Group's website:

<http://www.causal.altervista.org/>

and return it as soon as possible to:

Laura Dallolio

Dipartimento di Medicina e Sanità Pubblica

Via San Giacomo 12.

40126 Bologna (Italy)

Fax: : +390512094839

laura.dallolio@unibo.it

APPLICATION FORM

A short course on concepts and methods in Causal Inference.

Bologna (Italy) 15-17 September 2010.

Please use block capitals

Surname: _____

Forename(s): _____

Title: _____ Male Female

Date of Birth: _____

Nationality: _____

Country of Birth: _____

Country of Residence: _____

Address for correspondence: _____

Postcode: _____

Daytime Telephone No: _____

Mobile No: _____

Fax No: _____

E-mail address: _____

How and where did you hear about this Course to which you have applied? _____