

Spatial Analysis in Epidemiology

June 20, 21 and 22, 2011
9:30 to 17:00

Torino University and ISI Foundation
Villa Gualino, Torino, Italy

Course for the Ineq-Cities project
on Socio-economic inequalities in
mortality: evidence and policies in
cities of Europe.

Course for EPIWORK project on
developing the framework for an
epidemic forecast infrastructure

Module of the Master in
Epidemiology of Torino University

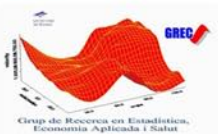


Course Directors:

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(CIBERESP)

A.S.L. T03
Azienda Sanitaria Locale
di Collegno e Pinerolo



EPIWORK



ineqcities

ciberesp

Centro de Investigación Biomédica en Red
Epidemiología y Salud Pública

CSB Consorci Sanitari
de Barcelona

**Agència
de Salut Pública**

Course contents

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Introduction to Spatial Analysis

Disease Mapping

Introduction to Bayesian Inference

Bayesian approaches to modelling area and point pattern data

Ecological Regression Studies

Multilevel model and contextual effects

There will be a tutorials session at the end of each day

Software

Software

R 2.10 or an updated version please download from: <http://cran.r-project.org/>

INLA: <http://www.r-inla.org/>

WinBUGS 1.4.3: <http://www.mrcbsu.cam.ac.uk/bugs/winbugs/contents.shtml>

Requisites

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The intended audience of the course are epidemiologists, biostatisticians, people who work in public health and master students in these fields. Prerequisites are knowledge of statistics up to a basic understanding of regression models and of any statistical software, preferably R and participants will be selected according to pre-requisites. INEQ-Cities and EPIWORK participants are exempt from these pre-requisites.

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Course fees

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The reported fee for the course is 600€ which includes accommodation, meals and course materials. INEQ-Cities participants will pay a fee of 300€.

Application procedure

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Please send your application and CV to: gina.dapa@epi.piemonte.it by March 31st, 2011. INEQ-Cities participants will send an e-mail with name, institution and background, a CV will not be necessary. We will confirm participation and communicate, by e-mail, the necessary information to participants in order to proceed with payments to the competent agency.

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