

Spatial Analysis in Epidemiology

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

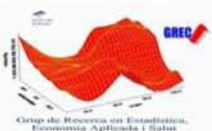
Torino University and ISI Foundation
Villa Gualino, Torino, Italy

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

 **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 Directors:

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Spain and CIBER of Epidemiology and Public Health
(CIBERESP)

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

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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