UNIVERSITÀ DI PAVIA
Department of Brain and Behavioral Sciences

Probabilistic causal graph representations of medical knowledge for clinical research and decision-making

Online course via Zoom platform
14 meetings between September and December 2024, for a total of 51 hours.

Lecturers:
Prof. Carlo Berzuini, University of Manchester
Dr. Hui Guo, University of Manchester
Dr. Hiren Patel, University of Manchester
Dr. Leonardo Egidi, University of Trieste
Dr. Davide Luciani, Mario Negri Research Institute

Scientific Committee and Organizers:

Carlo Berzuini, Luisa Bernardinelli, Teresa Fazia, Andrea Nova.

Registration Fees:

Students	€ 500
Academics	€ 800
Non-Academics	€ 1000

For the first 4 modules only, it is possible to register for individual modules at a cost of 250 € /module.

Registration link:

https://docs.google.com/forms/d/1Xk1gp_M79SOPPLVziFRUMau_Ys0sfZB30MwDReucL80/edit

Deadline for registration:
31 August 2024

Secretary:
Dr. Gianfranca Corbellini

dbbs.master@unipv.it

Dept. of Brain and Behavioral Sciences

Program:

Module 1: 16-17-18 September 2024

- The Challenges Of Causal Analysis: A Statistical Viewpoint

- Causality In Medicine

- Knowledge Representation And Inference Via Causal Graphs: The Theory

Module 2: 14-15-16 October 2024

Introduction To Bayesian Inference

Module 3: 4-5-6 November 2024

Probabilistic Languages For Modelling And Computation In Bayesian Inference

Module 4: 25-26-27 November 2024

Focus On Diagnosis, With An Application In Emergency Medicine

Module 5: 11-12 December 2024

- Applications In The Study Of Unsolved Therapeutic Decision Problems And Clinical Variability

- Focus On Therapy, With An Application In Neurosurgery