



laboratório de Bioestatística e Informática Médica

Advanced Course on Analysis Methods and Modelling in Biomedical Research

Basic information

Organisation: Laboratory of Biostatistics and Medical Informatics (LBIM), Faculty of Medicine, University of Coimbra

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Dates: October 21-23, 2014

Venue: Institute for Nuclear Sciences Applied to Health (ICNAS)

- The course is primarily offered to researchers with intermediate background in statistics and data mining using clinical data.
- Most participants are likely to be experienced with high dimensional data such as EEG, PET, MR and fMRI and share an interest in combining imaging studies with other very high dimensional biomarkers such as gene expression arrays.

Program

Day 1 (October 21):

10H00-12H00 Survival analysis and truncated data. *Rebecca Betensky (Harvard School of Public Health)*

14H30-15H30 Modelling and data mining with PET/SPECT data. *Francisco Oliveira, Miguel Patrício (University of Coimbra)*

16H00-17H00 Modelling brain signals using large-scale network models. *Joana Cabral (Universitat Pompeu Fabra)*

Day 2 (October 22):

10H00-12H00 Censored covariates in regression models – examples of applications to Alzheimer's disease. *Rebecca Betensky (Harvard School of Public Health)*

14H30-16H00 DIAMARKER – a high dimensional database in diabetes. *Miguel Castelo-Branco, João Duarte, Mohammed Al-Rawi, Francisco Caramelo (University of Coimbra)*

Day 3 (October 23):

10H00-12H00 Studies using very high dimensional biomarkers. *Rebecca Betensky (Harvard School of Public Health)*