



Università di Pavia
Dipartimento di Ingegneria Industriale e dell'Informazione
Laboratorio di Informatica Biomedica Mario Stefanelli

SEMINARIO

Applications of Reinforcement Learning for Unsupervised Navigation of Complex Data Environments

John H. Holmes, University of Pennsylvania, USA

Venerdì 26 Novembre 2021, 16.00-17.00

ONLINE: <https://us02web.zoom.us/j/6807412420>

John H. Holmes is Professor of Medical Informatics in Epidemiology at the Perlmutter School of Medicine, University of Pennsylvania.

In addition to his professorship in the DBEI, Dr. Holmes is the Associate Director of the Institute for Biomedical Informatics, Director of the Master's Program in Biomedical Informatics, and Chair of the Doctoral Program in Epidemiology, all at Penn. Dr. Holmes leads studies of novel analytic methods informed by statistics and artificial intelligence as they apply to interactions between people and environments in space and time.

Dr. Holmes is or has been a principal or co-investigator on projects funded by the National Cancer Institute, the National Library of Medicine, the Patient-Centered Outcomes Research Institute (PCORI) and the Agency for Healthcare Research and Quality. Dr. Holmes is engaged with the Botswana-UPenn Partnership, assisting in building informatics education and clinical research capacity in Botswana.

Dr. Holmes teaches courses in quantitative epidemiology, biomedical informatics, databases for clinical research, and machine learning and intelligent agents.

Dr. Holmes is an elected Fellow of the American College of Medical Informatics (ACMI), the American College of Epidemiology (ACE), and the International Academy of Health Sciences Informatics (IAHSI).

Content Area Specialties

Treatment regimen adherence, cancer epidemiology, cardiovascular epidemiology, infectious diseases, injury, medical informatics, patient-oriented research, pharmacoepidemiology, prevention, public health, pulmonary epidemiology

Methodology Specialties

Agent-based modeling, machine learning approaches to knowledge discovery in databases, deep electronic phenotyping, interoperable information systems infrastructures for epidemiologic surveillance

Organizer

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