



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



Department of Cardio-  
Thoracic-Vascular Sciences  
and Public Health



Biostatistics, Epidemiology  
and Public Health Unit

PhD course



Translational  
Specialistic  
Medicine  
G.B. Morgagni

# Seminar

## "The impact of Cutting-Edge Techniques on the Near Future of Biostatistics and Healthcare"

### Speaker:

**Paola Berchiolla**

Associated Professor of Biostatistics - UNITO

### Moderator:

**Dario Gregori**

Full Professor in Medical Statistics - UNIPD



### Abstract:

The integration of cutting-edge techniques such as machine learning, artificial intelligence, and big data analytics has brought significant changes in biostatistics and healthcare. These techniques have the potential to revolutionize the way healthcare data is analyzed, leading to more personalized and efficient healthcare. With the increasing demand for data-driven decision making, biostatisticians are expected to play a critical role in the near future of healthcare.

To showcase the power of these techniques, we will explore machine learning and deep-learning algorithms that can identify complex patterns and relationships in healthcare data. Additionally, we will discuss natural language processing techniques that can be used to analyze both structured and unstructured data. From a biostatistics perspective, we will provide examples of the opportunities and challenges associated with the adoption of these cutting-edge techniques in healthcare data analysis.

**Tuesday 4th April, from 1:30 p.m. to 3:00 p.m.**

**Aula Cardiologia - Centro Galluci**

**Via Giustiniani 2 - Padova**

Can follow the seminar by [clicking here](#)

