

Colloqui della Classe di Scienze

Anno Accademico 2023/2024

Sala Stemmi
Palazzo della Carovana
Scuola Normale Superiore
Piazza dei Cavalieri, 7 - PISA

24 GENNAIO 2024
ore 15.00

NICOLÒ CESA-BIANCHI

Università degli Studi di Milano e Politecnico di Milano

*The mathematics of machine learning:
between statistics and game theory*

ABSTRACT:

Machine learning is the main driving force behind the current AI revolution. To provide a solid mathematical foundation to learning systems, we must formally characterize what a machine can learn and what is the minimal amount of training data needed to achieve a desired performance. In this talk, I will describe the two main approaches to algorithmic learnability, one rooted in statistics and one in game theory, and explore their connections.

