ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

DEPARTMENT
OF STATISTICAL SCIENCES
"PAOLO FORTUNATI"

Statistics Seminars 2025/2026

PhD in Statistics 2025 Opening Lecture

Lunedì 3 Novembre 2025 alle ore 14.30

Sia in presenza, presso l'aula Seminari (ex aula III) in Via Belle Arti, 41, a Bologna, sia in modalità telematica, mediante sistema di videoconferenza su piattaforma Microsoft Teams

"Did the Paris Climate Agreement Work? Evidence from Bayesian Integrated Assessment"

Prof. Adrian E. Raftery

(University of Washington)

Abstract

Projecting future climate change is important for implementing the 2015 Paris Agreement, which aims to limit greenhouse gas emissions to a level that would keep global average temperature increase to 2100 below 1.5°C, and in any event well below 2°C. The Intergovernmental Panel on Climate Change uses emissions scenarios for projecting climate change, but since 2017 an alternative fully statistical Bayesian probabilistic approach has been developed. This relies on the IPAT equation that expresses emissions as the product of population, Gross Domestic Product (GDP) per capita, and carbon intensity, namely carbon emissions per unit of GDP. Here we use data on population, GDP and emissions for 2015-2024 to assess probabilistically the changes in climate change prospects associated with post-Paris emissions.

L'Organizzatore
Prof. Angela Montanari

Il Direttore
Prof. Carlo Trivisano

La S.V. è invitata

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