

Dipartimento di Statistica e Metodi Quantitativi

Lunedì 14 settembre 2015 ore 14.30

Aula Seminari (edificio U7, 4° piano, 4026)
Via Bicocca degli Arcimboldi, 8 – 20126 Milano

“Statistical modelling of sea bird populations”

prof. Adam Butler

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Abstract

Spatial ecology is concerned with studying the spatial distributions of species and with attempting to understand the processes which underlay these distributions. Spatial ecology is of substantial applied interest because it provides a potential basis for evaluating the ecological impacts of human activities - such as the construction of offshore wind farms.

Diverse forms of data - which include manually recorded data such as species atlases and automated data such as GPS tags - are used to study the distribution of species, and these present interesting statistical challenges. In this talk we outline four key challenges – inhomogeneous detection, disentangling spatial trends from temporal trends, modelling the impact of human interventions, and choosing the optimal settings to use for automated data collection - and illustrate some potential solutions to each of these issues.

Tutti gli interessati sono invitati a partecipare

Per ulteriori informazioni:

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