

第35回統計科学セミナーのお知らせ

統計科学研究部門による第35回統計科学セミナーを、下記のとおり開催いたしますので、ご案内申し上げます。

東京理科大学総合研究院 統計科学研究部門
共催: 東京理科大学データサイエンスセンター

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記¹

講演者: Solvang Kato Hiroko (ノルウェー海洋研究所)

題目: Spatial abundance estimation of Northeast Atlantic common minke whale

日時: 2026年10月2日(金) 13:30-14:30

会場: 東京理科大学野田キャンパス7号館 7504 教室会場と
teams によるハイブリッド開催

概要

In Norway, the common minke whale (*Balaenoptera acutorostrata*), a major commercially hunted marine mammal species, has been the subject of research and monitoring for the past four decades. An annual dedicated survey carried out between 2020 and 2024, Russian exclusive economic zone (EEZ) within the Barents Sea management area was excluded from the observations. Recent absolute abundance estimates in the Barents Sea area show an upward trend; estimates for the period 2014-2019 accounted for more than 50% of the entire eastern stock, which forms the basis for calculating Norway's catch quotas. It is clear that the exclusion of the EEZ from the survey area will have an impact on catch quota levels. From 2024 onwards, it has no longer been possible to conduct dedicated surveys, and surveys are now being carried out as part of by-catch surveys targeting other fish species. Based on this data, spatial abundance estimates covering the entire monitoring area will also include estimates for specific areas excluded from observation. In light of this situation, it is useful to understand the statistical characteristics of the spatial abundance assessment methods and to explore the possibility of extrapolated predictions.

¹研究部門メンバー関係者以外からのご参加の場合、問い合わせ先もしくは部門所属の方 <https://dept.tus.ac.jp/stat/member/> にご連絡ください。