



統計科學研究所

INSTITUTE OF  
STATISTICAL SCIENCE



統計所學術演講



中研院統計所

## 學術演講

講題：Prediction-based Subsampling: Model-dependent and Model-free Solutions

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時間：2023年7月17日(星期一)，10:30-12:00

地點：統計所B1演講廳

### Abstract

Extraordinary amounts of data are generated across disciplines owing to advanced technology. Such data richness, however, may yield difficulties in statistical model fitting and prediction either in terms of time cost or numerical stability. Subsampling has been an effective remedy to this problem over the past decade. In this talk, I will introduce two subsampling methods, model-dependent and model-free, for big data prediction. Theoretical and numerical results are provided to show the benefits of the proposed methods.

Keywords: Gaussian process regression, Partitioning estimate, Bagging

※ 實體與線上視訊同步進行。

※ 茶會：10：10開始。