

# 中央研究院統計科學研究所

## 學術演講

講題：Progress Report on Large-Scale Heterogeneous Functional Data Analysis and Collaboration with the Institute of Earth Sciences

演講人：Dr. Ming-Chung Chang, Dr. Su-Yun Huang, and Dr. Tso-Jung Yen (張明中副研究員、陳素雲研究員及顏佐榕副研究員)  
Institute of Statistical Science, Academia Sinica

時間：2024-11-11(Mon.) 10:30-11:00

地點：Auditorium, B1F, Institute of Statistical Science; The tea reception will be held at 10:10.

備註：Online live streaming through Cisco Webex will be available.

### Abstract

This presentation is divided into three ten-minute parts, presented in sequence by Dr. Ming-Chung Chang, Dr. Su-Yun Huang, and Dr. Tso-Jung Yen. In the first part, we will discuss our progress on functional data analysis with heterogeneous functional data. The second part will cover our ongoing work on a fast mean shift algorithm designed for clustering large-scale functional data, with an application to Argo profiles that demonstrates the algorithm's efficiency in handling the dataset's scale. Finally, in the third part, we will present updates on collaborative projects with researchers at the Institute of Earth Sciences.



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