



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：Wind Data Modeling with Transformed Gaussian Processes

講者：Dr. Jaehong Jeong
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時間：2023年7月10日(星期一)，10:30-12:00

地點：統計所B1演講廳

Abstract

Wind energy has substantial potential for future energy portfolios without negatively impacting the environment. In developing national and worldwide energy plans, understanding the spatio-temporal pattern of wind is crucial. We propose a statistical model that aims at reproducing the data-generating mechanism of climate ensembles for global monthly wind data. Inferences based on a multi-step conditional likelihood approach are achieved by balancing memory storage and distributed computation for a large data set. Additionally, we discuss a general strategy for modeling non-Gaussian stochastic processes by transforming underlying Gaussian processes.

※ 實體與線上視訊同步進行。

※ 茶會：10:10開始。