

國立中山大學應用數學系

學術演講

講者：李國榮教授(成功大學統計學系)

講題：Bayesian Spatiotemporal Varying Coefficients
Model to the Mortality Rate of Ischemic
Stroke in Taiwan

時間：2020/3/26 (Thursday) 14:10 ~ 15:00

地點：理學院四樓理 SC 4009-1 室

茶會：15:00 於理 SC 4010 室 (系辦公室)

Abstract

A Bayesian spatiotemporal generalized linear regression with varying-coefficient model is proposed to examine geographic variation of the medical prescription use for ischemic stroke and to have a clearer understanding of association of the relevant risk factors such as comorbidities, medication and environmental society with mortality rate in ischemic stroke. The spatial heterogeneity of coefficients for important factors that may affect the mortality in ischemic stroke across 349 townships in Taiwan. By applying spatiotemporal

models, we can understand the spatial variation in risk to ischemic stroke. It then turns out that, based on the findings, we can properly arrange medical resources and reduce the life-threatening damage caused by the uneven distribution of medical resources. The data was collected from a retrospective cohort study using 2004-2012 National health insurance research database.

中山大學應用數學系

敬請公告！歡迎參加！

應用數學系：<http://math.nsysu.edu.tw>

校園地圖：

http://math.nsysu.edu.tw/var/file/183/1183/img/779/nsysu_math_map.jpg

交通資訊：<https://www.nsysu.edu.tw/p/412-1000-4132.php?Lang=zh-tw>



應用數學系



校園地圖



交通資訊