

國立中正大學數學系  
暨應用數學碩士班、統計科學碩士班  
學術演講

## A harmonic Mean Loss Function For Dichotomous/ Polytomous Regression Models and Their Misspecification

林賢一 教授

Prof. Kenichi Hayashi

慶應義塾大学 理工学部 数理科学科

Department of Mathematics, Keio University

### Abstract

The regression models for the categorical response are frequently used in medical research.

These models assume that the data are sampled from a specific population, but this is often violated in practice. This study introduces a novel loss function that are based on a divergence we call the harmonic mean divergence. While there are many studies on robust methods for regression models, divergence-based approaches have great promise. We show interesting properties of our proposed loss function and its robustness.

日期:113年10月9日(星期三) 16:10~17:00

地點:本校數學館527教室(嘉義縣民雄鄉大學路168號)

茶會:15:30~16:00 數學館四樓409室舉行

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