



# 大阪医学統計学セミナー 第33回

Osaka Biostatistics Seminar

6月25日 (金)  
17:30~19:30



**場所：**  
**医学系研究科基礎研究棟L階**  
**医学統計学研究室**  
**オンライン同時開催**

参加ご希望の方は、前日までに下記問い合わせ先にメールにてお申込みください。

**「Publication bias adjustment via inverse probability weighting with clinical trial registries」**

**講演者：黄 傲(大阪大学医学統計学教室)**

概要：

Publication bias is a primary threat in conducting meta-analyses. Various selection functions based on the t-type statistics have been developed to model the selective publication process which are more objective alternatives to the widely used graphical methods. However, their inference based on conditional maximum likelihood estimation might be unstable, specific or complicated. In this paper, we develop a simple publication bias adjustment method utilizing information in clinical trial registries. Borrowing the idea in the missing data problem under missing not at random, we introduce an inverse probability weighting (IPW) estimator for the overall mean across studies and an IPW-type DerSimonian-Laird estimator for the between-study variance. We propose methods to construct asymptotic confidence intervals, as well as those with parametric bootstrapping.

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