



大阪医学統計学セミナー 第51回

Osaka Biostatistics Seminar

11月18日 (金)
16:00~18:00



場所：
オンライン開催
医学系研究科基礎研究棟L階
医学統計学研究室

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。

[IPW-based publication bias adjustment in network meta-analysis with clinical trial registries]

講演者：Huang Ao (University Medical Center
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Network meta-analysis as an extension of the standard pairwise meta-analysis, has the advantage of comparing multiple treatments simultaneously in a single analysis, it is particularly useful for improving the precision and ranking the multiple interventions for medical decision making. However, it also suffers from the so-called publication bias issue in practice, and existing methods which are widely used in the pairwise meta-analysis may not be satisfactory. In this paper, we extended the IPW method proposed by Huang et al. in pairwise meta-analysis to the network meta-analysis context. By utilizing the external information from clinical trial registries, multiple estimating equations were proposed to inform the publishing probability (propensity score) of each study, then an unbiased IPW estimator for the overall mean of different study designs could be obtained successfully. Furthermore, we proposed a modified funnel-plot to check the publication bias visually and an adjusted P-score for ranking the interventions.

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