Optimal approximate repeated measurement designs and efficient exact designs

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Abstract

Kushner (1997) and Kunert and Martin (2000) proposed new methods to obtain optimal repeated designs for direct treatment effects. Bailey and Druilhet (2004) propose another approach to obtain optimal designs for total effects. In this presentation we propose a generalization of these methods by using the extremal representation of the information matrix proposed by Gaffke (1987). Then we show how to obtain approximated repeated measurement designs in various situations and how we can derived efficient designs. At least we present an example from Druilhet and Tinsson (2009).

Keywords

Optimal designs, Approximate designs, Repeated measurement designs.

References

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