

Title

A Bioethical Defense of Bayesian Methods in Drug Development

Presenter

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Abstract

The use of Bayesian statistics in clinical trials has gained significant attention in recent years due to its potential to enhance decision-making processes. This presentation aims to explore the justification for employing Bayesian statistics in clinical trials within the context of a bioethical framework, supported with examples from real clinical trials. This presentation highlights the ethical justifications and benefits of Bayesian approaches, such as the integration of prior knowledge to promote efficient trial designs and enabling transparent communication of uncertainty. One goal of this presentation is to promote bioethics as part of the considerations and justification for Bayesian statistics in confirmatory trial settings.