Efficiency gains in randomized trials for COVID-19 treatments by adjusting for specific covariates

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Abstract

Simulation study of covariate adjustment for efficiency gains in ${\tt COVID-19}$ randomized clinical trials.

1 Introduction

[1] [3] [2]

- 2 Estimands
- 3 Simulation Methods
- 4 Simulation Results
- 5 Recommendations
- 6 References

References

- [1] David Benkeser et al. "Improving precision and power in randomized trials for COVID-19 treatments using covariate adjustment, for binary, ordinal, and time-to-event outcomes". In: Biometrics (). DOI: https://doi.org/10.1111/biom.13377.
- [2] Iván Díaz, Elizabeth Colantuoni, and Michael Rosenblum. "Enhanced precision in the analysis of randomized trials with ordinal outcomes". In: *Biometrics* 72.2 (2016), pp. 422-431. DOI: https://doi.org/10.1111/biom.12450.

[3] Iván Díaz et al. "Improved precision in the analysis of randomized trials with survival outcomes, without assuming proportional hazards". In: *Lifetime data analysis* 25.3 (2019), pp. 439-468.