Reproducibility: Evaluating the Evaluations

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Abstract

Evaluation is at the heart of reproducibility in research, and the related concept of replicability. In this paper, we survey approaches to evaluating reproducibility and replicability, taking note of some substantial failings in current practice. We make recommendations to be considered and discussed by the research community as we all work together to advance the desirable goals of conducting and publishing research that achieves higher degrees of reproducibility.

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