Reviewer’s report

Title: The Brier score does not evaluate the clinical utility of diagnostic tests or prediction models

Version: 0 Date: 14 Mar 2017

Reviewer: Frank Harrell

Reviewer’s report:

This research makes some assumptions that are not correct. First, it assumes that researchers do not want measures to be incidence-dependent. Second, it assumes that researchers routinely compare prediction quality across unequal incidence datasets. Third, it ignores the decompositions of the Brier score that factor out overall prevalence. While researchers sometimes need to compare predictive performance across different incidence situations, the paper is written as if this is always the case. A good deal of work could make this paper useful to readers.

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