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## Short summary

This paper highlights the lack of meaningful comparison studies investigating the behavior of statistical methods in a neutral way in the literature, as opposed to comparison studies aimed at demonstrating the superiority of a new method promoted by its authors. For many data analysis problems, there is no lack of available methods and no need for new methods, but a need for guidance supporting the choice of statistical methodology in practice. The status of neutral comparison studies including particularly simulation-based studies should be reinforced, and research on how to reliably design them should be conducted, in analogy to the active research field devoted to clinical trial methodology.