

Review of: "Benchmarking statistical methods for analyzing parent-child dyads in genetic association studies"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

bioRxiv entitled "Benchmarking statistical methods for analyzing parent-child dyads in genetic association studies" for the bioRxiv journal.

The authors reviewed and benchmarked existing open-source statistical methods for the genome-wide analysis of case-mother dyads against those available for case-parent trios. Although they showed interesting results with the use of trios and case-mother dyads, some questions could be explored:

1- Although it is more difficult, as the authors explained in the text, I was intrigued why the dyads with father (case-father dyads) was not analyzed.

2-Another question is whether case-father and case-mother dyads from different families could be compiled in a group.

3-The authors used results by GWAS, however my question would be whether the power would be maintained in validation studies and with smaller samples.