Reviewer’s report

Title: CPMCGLM: An R package for p-value adjustment when looking for an optimal transformation of a single explanatory variable in generalized linear models

Version: 0 Date: 04 Oct 2018

Reviewer: Paolo Eusebi

Reviewer’s report:

The authors presented the CPMCGLM R package providing efficient methods for the correction of type-I error rate in the context of generalized linear models.

The package, available in CRAN, is designed to help researchers to analyze their data in the context of optimal cutoff point determination.

Although the code and models are well-explained I have one major source of concern.

It is possible in practice that researchers tested many outpoints, then later decided to use just a small subset? Is this able to produce false positives in research findings? Could the authors add some caveats?

My general impression is that the categorization of continuous variables is almost always a bad practice.

The generalization of these methods to proportional hazard models will be very useful and would be a great added-value to the package.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
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I am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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