Reviewer’s report

Title: A comparison of the statistical performance of different meta-regression models for the synthesis of subgroup effects from randomized clinical trials

Version: 1 Date: 26 Aug 2019

Reviewer: Daisuke Yoneoka

Reviewer’s report:

The authors made substantial changes and I think the manuscript has been improved a lot, especially the simulation setting is clearly described with Table 1 and 3.

Minor comments:

1. Please describe how to sample u_i and v_i: i.e., Are they sampled independently or from the multivariate normal distribution with mean 0 and covariance Σ? I think you used the latter.

2. Please describe rho in Eq. (4.1): i.e., what is the value of rho? Also, please add rho in Table 1.

3. What is "Table" in Page 7 line 2?

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.

Unable to assess

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?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

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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