Reviewer’s report

Title: Spatial heterogeneity of environmental risk in randomized prevention trials: consequences and modeling

Version: 1 Date: 24 Apr 2019

Reviewer: Christian Heumann

Reviewer’s report:

1) My questions were adequately answered and my proposals were implemented (simulations for the theoretical model)

2) The authors should have a look on "Appendix 1.doc", line 15: the formula makes no sense as presented.

3) In the text they write that the true model has nearly always a coverage rate of 100%. Looking in the appendix, this is not correct and I think this statement should be changed "...has nearly always the desired coverage rate.", which was 95%.

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:
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