Reviewer’s report

Title: On exploring and ranking risk factors of child malnutrition in Bangladesh using multiple classification analysis

Version: 1 Date: 02 Mar 2017

Reviewer: Dianjianyi Sun

Reviewer’s report:

This paper provided essential evidence for child malnutrition in Bangladesh, and compared results from GLM and MCA. However, several problems still needs to be carefully addressed.

1. From abstract to the conclusion, the paper has reached to 6400 words. It must be shortened into 50~70%, especially in the background and methods.

2. I believe it is more of public health important to address the risk factors and their ranking for child malnutrition. However, there is a lack of results or discussion on this (e.g., how the child, household, and mother-level variables influence? Are the results consistent or inconsistent with previous studies? Why?). Either GLM or MCA is just a statistical tool for exploring. If the main purpose of this paper is to compare GLM and MCA, why it has been submitted to BMC nutrition, rather than a statistical journal. Therefore, more results and discussion should be added on the topic of risk factors and their ranking for child malnutrition.

3. It is necessary to separate results and discussion.

4. In the abstract, too wordy in background, whereas insufficient contents in results.

5. Please delete all the basic statistical concepts of Linear Regression Analysis and Logistic Regression Analysis in the methods section.

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?
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:

Needs some language corrections before being published

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