Reviewer’s report

Title: Cultural differences in food and shape related attitudes and eating behavior are associated with differences of Body Mass Index in the same food environment: A cross-sectional study of Kiribati and European seafarers on merchant ships. Results from the Seafarer Nutrition Study.

Version: 1 Date: 31 Oct 2017

Reviewer: Dayna Lee-Baggley

Reviewer’s report:

Thank you for the revisions. My concerns have been addressed. I have a few minor recommendations on the revised paper.

On page 5 the authors appear to use "disinhibition" and "tendency to overeat" interchangeably without being clear that these two are linked. They provide the necessary link on Page 7 line 16-17. This explanation should be provided the first time they use these terms (on page 5).

on Page 6, line 8: "because we felt that five or four subjects respectively one subject is not a sufficient sample size..." is not clear. Suggested change: "because we felt that five or less subjects per group was not a sufficient sample size..."

page 13 line 9. "eating alone or eating in the cabin is a rare exception". This sentence is confusing because the authors appear to be describing how the ship eating conditions are different than traditional Kiribati eating conditions. However, it would seem that eating alone would be unusual for Kiribati and thus offering it as an example of differences between eating conditions does not make sense. I may also have misunderstood what the authors were trying to say with that sentence. I would delete or clarify.

Page 14, line 23. "in parallel, such environments have...". It's unclear to me which environments the authors are referring to (i.e. new environments or traditional environments). Please clarify.

page 14, line 26 "it is not surprising that people use these opportunities.." please add "to overeat".

Figure 2 and 3. In black and white the distinction between dots is not clear. Can the authors change the dots so that they are distinguishable in black and white?

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?**
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Yes

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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

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