Reviewer's report

**Title:** Bias and heteroscedastic memory error in self-reported health behavior: an investigation using covariance structure analysis

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**Reviewer:** Mr Isaac Dialisingh

**Level of interest:** A paper whose findings are important to those with closely related research interests

**Advice on publication:** Accept without revision

Generally the paper is well written and the writer supplies an excellent reference from which other readers can obtain detailed information. The manuscript adheres to the relevant standards for reporting. I thought there was a bit of over emphasis on the interpretation of the data. But, this was necessary since the author wrote this paper with the statistically deficient in mind. With the extensive statistical coverage, other authors in different countries can analyse similar datasets and make interesting comparisons. There are no flaws in the writing that should preclude publication of this paper.

**Comments:**

1. Discretionary revisions

1. The abstract should be properly written. I believe the abstract should state the problem and define it properly- this was done in the background section.
2. The figures and tables should not be at the end of the paper. They should accompany the appropriate data analysis discussion.
3. The paper is basically the application of a statistics tool - structural equation modeling but, no reference to this is used in the paper.
4. The writing style is acceptable and the writer supplies enough details both on the methodology and the analysis for even the amateur reader to get a sufficient grasp of the information.

**Competing interests:**

None declared.