Reviewers report

Title: Regression models for analyzing radiological visual grading studies - an empirical comparison

Version: 2 Date: 30 March 2015

Reviewer: Farzad Khalvati

Reviewers report:

This paper presents a comparison between regression models for analyzing ordinal data for visual inspection of images. Although this is a relevant question as to which regression model works the best, the results and the conclusion of the paper indicate that there is no significant difference between the regression models used in this paper for the data. This has been reported both in results and discussion for different scenarios. Thus, the contribution of the paper to the community is not clear as it does not add new knowledge in the field.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests