CHOICE OF THE SCORES FOR TESTING THE ASSOCIATION IN ORDERED R×C CONTINGENCY TABLES WITH OPEN-ENDED CATEGORIES

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The numerous methods have been presented for testing the association between the row and the column variables in contingency tables with ordered categories. Most of the tests used for the association are based on the assignment of scores to the ordered categories. Numerical scores are assigned to the response levels. The inappropriate choice of scores might have an influence on the tests and the interpretation of the results. Open-ended responses arise in many studies and arbitrarily assigning the scores for the open-ended category may also affect the results. Mostly the choice of the scores are based upon the investigators with open-ended category. In this work we suggested an alternative median based scores for testing the association of the ordered R×C contingency tables which consist of open-ended category and illustrated the median based scores on a real life dataset. Results obtained from the median based scores were compared with the available ones in the case of open-ended category.