Reviewer: The study entitled “Fertility Patterns and Differential in India and factor affecting them” tries to examine fertility differential considering the background characteristics including different Caste, educational level, wealth index, mortality rates, religious groups and also to determine factors affecting them. The study lacks novelty and the authors should also elaborate a regression model-building approach for ease of understanding. Reviewers think that, for this study, the generalized linear mixed model is appropriate to show all variables in the same model. The authors should rewrite their Introduction and Discussion to reference the recent related literature. The manuscript looks like a report, not a research paper. Reviewers suggested that authors follow proper structure to represent their manuscript.  
  
Major issues  
1. The study lacks novelty since the authors didn’t show any gap in the literature review and there is a lot of published articles in similar topics with recent data, <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8820640/>.   
2. In addition, there are numerous articles on the same topic but only few of them are mentioned in the literature review section.  
3. The study fails to address how the findings relate to previous research in this area. The key research questions of the study are already answered by previous studies and the study didn’t include anything new.  
4. The introduction section didn’t follow logical sequences. Overall, there is a great deal of room for improvement in both writing and grammar. I advise the authors to work with a writing coach or copy editor to improve the flow and readability of the text.  
5. Authors should explain the rationale behind the selection of independent variables, such as any conceptual framework or prior research.  
6. Authors just describe mathematical equations but it is unclear how the multivariable binary logistic regression model was established such as which method was followed (i.e.; forward entry, backward selection, enter method, etc.) or on what basis regressors were chosen to build the final model.  
  
Minor issues  
1. Projections of the prevalence of fertility should also be mentioned alongside the world target  
2. The NFHS survey dataset/report should be cited in an appropriate manner  
3. Table title: Table titles are not written in the appropriate format. The title should provide a brief about the study subject, location, time frame, and any other necessary details.  
4. The figure is redundant since prevalence is available in the table.