

Review of: "Weathering changes – livelihood adaptation to weather shocks in rural India by disadvantaged social groups"

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Potential competing interests: No potential competing interests to declare.

Note to editor: I am not sure I'm knowledgeable enough to assess whether the core of this study is well-constructed or not. This research draws on statistical analysis that is beyond my expertise.

Having said that, there are a few points I would like to rise:

1. The paper is fairly well written, but it has some parts in which it is difficult to follow the logic flow and the correlations the authors try to make. Moreover, it needs a serious grammar review and search for typos, which abound in the text.
2. The paper brings relevant contributions to future directions of public policy regarding disadvantage social groups facing weather shocks in rural India.
3. The author(s) make a good use of relevant literature. However I noticed that the most recente cited literature are from 2020 (three of them). I wonder whether there is nothing on the topic published from 2021-2023 that could be of interest to this study or the authors did not look at them. So, I recommend a review of recent papers (last three years) to bring novel elements to complement, corroborate or refute what is already in the paper.
4. 'Livelihood adaptation' is brought in the paper's title, however very little is said about livelihoods. Therefore I would recommend not using 'livelihoods' in the title or in the purpose statement of this paper. The study basicly deals with migration in response to environmental shocks rather than focusing on livelihood adaptation, so I would recommend making this focus clear.
5. In the INTRODUCTION I missed some explanation about what 'scheduled groups' are. It is probably the name "scheduled" that I am having trouble with. It feels it needs some further explanation for someone who is not from India. Does 'scheduled' has any meaning in this context? Why are they called scheduled groups?
6. In the DATA session, there is need for a brief explanation of what "circular migration" means. It may not be a common term for the readers. Why Backward Class' acronym is OBC and not BC? What does the O stand for? And again, a small simple explanation (perhaps a footnote) about why this class is called "backward" would be of interest. If it is just a name without meaning, I would recommend replacing the English term for the term used in the original language.
7. In the ANALYTICAL STRATEGY session, again I must say that I do not feel competent to judge whether this paper is robust enough or not due to my lack of knowledge on the analytical strategy used.

8. In the CONCLUSION session, it is stated that “The main purpose of this research was to examine how households belonging to disadvantaged groups adapt their livelihood strategies in the face of climate change in a developing country”. However, I reckon this is NOT a good purpose statement for this paper as the study focuses on adaptation through migration rather than on adaptatoin in livelihood strategies.
9. Still in the CONCLUSIONS sessions, the authors make a good mention of study limitations.

Some examples of typos and other errors found in the text:

Page 3, first paragraph, lines 5 and 6: “In” as in “In India” should not be capitalized.

“For disadvantaged social groups In India, migration takes special importance as other avenues”.

Page 4, first line, there is a space missing between after “(2020)”.

Page 4, under Research Questions, the author makes mistakes in using question marks when describing reserarch questions. In the following examples, there is no need for the use of question marks: “our first research question examines whether does slow-onset climate change lead to migration in rural India?”, “So, we also examine whether disadvantaged social groups also take part in such migration?”, “ next we examine whether access to social networks may explain the variation in migration probability among disadvantaged groups?” and “we examine whether poverty alleviation programs affect migration among disadvantaged groups facing the effects of climate change?”

Page 9 “decenial censuss” is a typo.

Page 13, last line of first paragraph, I believe the correct is “major changes in the wetness OR dryness for simplicity” rather than “wetness of dryness”?

First line of last paragraph on page 14: “Building of networks across a social classes”, there is no “a” between across and social.

First line of first paragraph of page 15, there is an extra “is”.

The following sentence on page14, first paragraph, needs a better construct: “This we can say like those from villages which benefited from higher wages through NREGS while being exposed to climate change, shows significantly positive behavior compared to those with none”.

In the following sentence, on page 15, I am sorry but I do not see how NREGS incentives promote male migration. I guess it requires some extra explanation.

Original sentence: “Apart from that, NREGS promoted women’s participation in the labor force by setting a state-level quota as well as guaranteeing equal wages by gender (Khera and Nayak, 2009; Pankaj and Tankha 2010; Azam 2011). Such an incentive can promote male migration as NREGS incomes are not sufficient and migration for work is

predominantly male”

Again, in the following sentence on page 15, I do not think there is a correlation between the first part and the last part of the sentence. At most, the fact that the disadvantaged groups are not able to capitalize on them MAY INDICATE the broader problem of exclusion faced by members of these social groups. A number of other variable may also influence their inability to capitalize on incentives.

Original sentence: “The fact that the disadvantaged social groups are not able to capitalize on them**indicates** the broader problem of exclusion faced by members of these social groups. Poverty alleviation also has its limitations.” (bold added)