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

Sulekha Hembram

Potential competing interests: No potential competing interests to declare.

I have read the study carefully and found very interesting as the migration (both intra and inter) has increased over the last few years in India. I have some suggestions which the author may include in order to improve the study.

Suggestions:

1. The study has identified the migration of households. The study has not examined or provided the information about inter or intra migration. It is clear that the main objective of the study is to explore the role of climate on migration. If the migration is adverse for agricultural or other activities then they will migrate. But sometimes they migrate to other places as they have the job opportunities there even though the weather is dry compare to other places. So, the place where they are migrating or the types of job, they are choosing for migration is important too.

2. Climate change may have indirect effect on migration, that was missing in the study. The author may use 2SLS for that analysis.

3. Along with the job opportunities the author may consider wage gap too (if possible).

4. In page no. six, the author has presented a table to define the different ranges of moisture level. Kindly mention the sources or reference of this classification.

5. Figure 1 and 2 show the SPEI in rural districts from 2000 to 2010. The author has used SPEI6 and SPEI18 respectively. The difference between these two figures is not clear.

6. Figure sources are missing in the text. (page no 15-23)

7. Figure 3, 4, 5 and 6 are compared in respect of wave I and wave II. The author should clarify the definition of wave I and wave II. More clear interpretations of these figures are needed as they are used as descriptive statistics.

8. In equation 1, the author has used both "i" and "j" in the suffix. What does this "i" and "j" defines here.

9. In page no. 10, it is mentioned that right hand side measures an increase in the number of migrants over the survey. But I understand that it measures the probability of migration. Is that correct?

10. Here the migration means any one family member is migrating. Right? The study may consider the age as well as education to define the reasons of migration.

Following the above suggestions and queries, I would suggest major revision of the paper.