

Replication_Group_1

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JEL: A10, A11
Keywords: first keyword, second keyword

I. Introduction

- Briefly explain the original study and its contribution to the literature
- Discuss the importance of replication in economics research and the goals of the replication paper

The study found that low uptake of insurance among smallholder farmers impairs their ability to manage risks associated with crop failure and reduce incentives for modernization. Conducted through a randomized control trial, the study observed a significant increase in insurance uptake among the sample population by deferring premium payments and leveraging community leaders to promote the product. The study's findings have implications for policymakers and stakeholders working to improve the financial resilience of smallholder farmers in developing countries.

Our replication and extension study aims to build on the original study's findings by replicating the results using the same data and methods. Additionally, we will estimate heterogeneous treatment effects using a multi-arm causal forest approach to investigate whether the effects of insurance on smallholder farmers vary across different subgroups of the population. Through this analysis, we hope to contribute to a better understanding of how insurance can be used to support agricultural development in low-income countries.

In our study, we aim to estimate heterogeneous treatment effects using a multi-arm causal forest approach. This differs from the original study, which also estimated heterogeneous treatment effects but used a different method. Specifically, our approach allows us to estimate treatment effects for different subgroups of the population and account for potential interactions between different variables. Our results will contribute to a better understanding of the impact of insurance on smallholder farmers and inform policies aimed at improving their financial resilience.

<To do: Discuss the importance of the original study's findings: Discuss the original study's findings and their significance in the context of development eco-

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nomics. You can also discuss any limitations of the original study that your replication and extension study can address>

The paper is structured into six sections. The first section is the introduction, which provides an overview of the study and its objectives. The second section is the literature review, which discusses the existing research on the topic and identifies the research gaps that the study aims to address. The third section is the methodology, which describes the data sources, study design, and statistical techniques used to analyze the data. The fourth section is the results, which presents the findings of the study. The fifth section is the extension, which discusses the multi-arm causal forest approach used to estimate heterogeneous treatment effects. The sixth and final section is the conclusion, which summarizes the study's key findings and their implications for policy and future research.

II. Literature Review

- Summarize the literature relevant to the original study and the replication
- Discuss any issues with the original study that have been raised in the literature

III. Methodology

- Describe the data and methods used in the original study
- Explain the steps taken to replicate the original study, including any changes made to the methods or data
- Discuss any challenges faced in replicating the original study

IV. Results

- Present the results of the replication study and compare them to the original results
- Discuss any discrepancies between the two studies and their potential causes

V. Extension

- Describe any additional analyses or tests performed using the replicated data
- Discuss the implications of the extended analysis for the original findings and the literature

VI. Conclusion

- Summarize the findings of the replication and extension studies
- Discuss the implications of the replication for the original study and the literature
- Recommend any changes to the original methods or data for future research

A. Document Styling Guidelines

- Do not use an "Introduction" heading. Begin your introductory material before the first section heading.
- Avoid style markup (except sparingly for emphasis).
- Avoid using explicit vertical or horizontal space.
- Captions are short and go below figures but above tables.
- The tablenotes or figurenotes environments may be used below tables or figures, respectively, as demonstrated below.
- If you have difficulties with the mathtime package, adjust the package options appropriately for your platform. If you can't get it to work, just remove the package or see our technical support document online (please refer to the author instructions).
- If you are using an appendix, it goes last, after the bibliography. Use regular section headings to make the appendix headings.
- If you are not using an appendix, you may delete the appendix command and sample appendix section heading.
- Either the natbib package or the harvard package may be used with bibtex. To include one of these packages, uncomment the appropriate usepackage command above. Note: you can't use both packages at once or compile-time errors will result.

B.

VII. First Section in Body

Sample figure:

Sample table:

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% The appendix command is issued once, prior to all appendices, if any.

Figure here.

FIGURE 1. CAPTION FOR FIGURE BELOW.

Note: Figure notes without optional leadin.
Source: Figure notes with optional leadin (Source, in this case).

TABLE 1—CAPTION FOR TABLE ABOVE.

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Row 1	1	2
Row 2	3	4

Note: Table notes environment without optional leadin.
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MATHEMATICAL APPENDIX