Econometrics Replication

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1. Introduction

Previous literature has consistently shown that adult education programs play a key role in reducing poverty rates in various regions (Oxenham 2002; Ortega & Rodríguez 2008), but previous designs suffer from irrelevance to daily work and high dropout rates. Therefore, it is necessary to think of a way to directly help adults gain the benefits of education. This paper proposes an innovative strategy to empower adults by teaching them to use mobile phones to acquire essential skills.

Recent years have witnessed the widespread of mobile phones and the proliferation of mobile phones and their services has played a significant role in shaping economic behaviors. highlights the substantial influence of mobile phone services on farmer's .

reduction in grain price dispersion, which has been demonstrated by (Aker 2010) highlights that mobile

Mobile phone technology could also affect returns to education by allowing households to use the technology for other purposes, such as obtaining price and labor market information, and facilitating informal private transfers (Aker and Mbiti 2010).

The return of (Gonzalez & Maffioli 2024)

1.1. Experiment Design

Randomized controlled trials (RCT) has been widely used in economic design. This study use

2. Main Result

3.

[htb]

Table 1. contamination of the randomization Check

Variable	Mean without abc	SD without abc	Mean with abc	SD with abc	Diff	std
Are you the household head?	0.560	0.497	0.547	0.498	-0.01	(0.02)
Respondent is Hausa	0.715	0.452	0.721	0.449	0.01	(0.03)
Number of household members	8.422	4.054	8.328	4.074	0.02	(0.25)
Percentage of children under 15 who have some education	0.279	0.276	0.269	0.270	-0.00	(0.02)
Number of asset categories owned by household	4.990	1.609	4.979	1.575	-0.03	(0.10)
Household experienced drought in past year	0.385	0.487	0.380	0.486	-0.03	(0.03)
Household owns a cell phone (excluding group phone)	0.296	0.457	0.295	0.457	-0.00	(0.03)
Access to household or village-level cell phone	0.763	0.426	0.798	0.402	0.04*	(0.02)
Respondent has used cell phone since last harvest	0.542	0.499	0.573	0.495	0.04	(0.03)
Respondent has made call	0.691	0.463	0.725	0.447	0.03	(0.04)
Respondent has received call	0.858	0.349	0.868	0.339	0.03	(0.03)

Notes: * significant at the 10 percent level; ** significant at the 5 percent level; *** significant at the 1 percent level.

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Appendix A.

This appendix contains the code that is used to replicate the main result of the paper. The Appendix B contains the detailed executed log file in the operation.

Appendix B.