

Authors

James Berry Cornell University

Gregory Fischer London School of Economics and Political Science

Raymond Guiteras North Carolina State University

Eliciting and Utilizing Willingness to Pay: Evidence from Field Trials in Northern Ghana

Greg Fischer

London School of Economics University of Maryland

April 2012

demonting the mechanism in true field settings.

JEJ. Classifications: C93, D12, D82, L11, L31

theory@comeLodu, g.fischer@lise.ac.id., gainctas@acon.umd.edu.

r/thusk Alex Nischenko and Abdul-Salaum-Seyati for superh-work in coordinating the field activities in G

as Kelly Birlwell and Jensica Kiessel at Innovations for Provetty Action, and Mary-Kay Judoson and 1

as Part Bismer Water. We have accelered helpful commonts and suggestions from Douglas Almond, A

nr. Sylvain Chassang, Vivian Hoffman, Leigh Lindon, Dona Karlan, Sheia Ofenstend Germf Palvo i-M

no Palloni, Jones Shapiro, Erik Sasov-borg, Clerk Udry, Sergio Urran, Regar von Haefen and seminor partici
tistic Lindoning, Cornell University, HEECH, the Lindon's fished of Economics, Queen University Bisco for the Future, Tilingle Resource and Environmental Economics Somine, University Propos for the Future, Tilingle Resource and Environmental Economics Somine, University Biscos for the Future, Tilingle Resource and Environmental Economics Somine, University Biscos for the Future, Tilingle Resource and Environmental Economics Somine, University of Vinginio. S. As, the University of Maryland and the University of Vinginio S. As the Content of Maryland and Convert Contex.

This research was supported by the Inspraving Sin Pro-pose Growth research consortiam, the International Crowth Contex and by the University of Maryland and Convert Contex. ions for Pro-poor Growth-relation Research Center.

Eliciting and Utilizing Willingness to Pay: Evidence from Field Trials in Northern Ghana

We utilize the Becker-DeGroot-Marschak (1964) mechanism to estimate the willingness to pay for clean drinking water technology in northern Ghana. The BDM mechanism has attractive properties for empirical research, allowing us to directly estimate demand, compute heterogeneous treatment effects, and study the screening and causal effects of prices with minor modifications to a standard field experiment setting. We demonstrate the



implementation of BDM along these three dimensions, compare it to the standard take-it-or-leave it method for eliciting willingness to pay, and discuss practical issues for implementing the mechanism in true field settings.

April 01, 2012