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## Credit Elasticities in Less-Developed Economies: Implications for Microfinance

By DEAN S. KARLAN AND JONATHAN ZINMAN®

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Microcredit fights powerty by expanding access to credit. Some microfinance institutions (MFIs) focus on maximizing profits, and do so while leading to the poor. Others seek to maximize access for the poor subject to a badget constraint. Regardines, nearly all MFIs face pressure from policymakem, donors, and insectors to eliminate their relance on subsidies. Economic modeling, policy, and practice suggest that loan pricing is critically related to reliance on subsidies, and to the functioning of credit markets more generally. Yet existing research offers little evidence on interest rate excitivities in MFI target markets, and link methodological guidance on how to derive optimal rates, <sup>2</sup> Instead, MFIs and policymakers rely hearily on descriptive evidence and intuition. Policymakers often presume that the poor are largely insensitive to interest rates, and then prescribe that MFIs should increase rates without fear of reducing

## **Credit Elasticities in Less-Developed Economies: Implications for Microfinance**

Policymakers often prescribe that microfinance institutions increase interest rates to eliminate their reliance on subsidies. This strategy makes sense if the poor are rate insensitive: then microlenders increase profitability (or achieve sustainability) without reducing the poor's access to credit. We test the assumption of price inelastic demand using randomized trials conducted by a consumer lender in South Africa. The demand curves are downward sloping, and steeper for price increases relative to the lender's standard rates. We also find that loan size is far more responsive to changes in loan maturity than to changes in interest rates, which is consistent with binding liquidity constraints.



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