The Psychology of Debt: An Experiment in the Philippines

Researchers:

Dean Karlan

Sendhil Mullainathan

Sector(s): Finance

Fieldwork: Innovations for Poverty Action (IPA)

Location: Cayagan de Oro

Sample: 250 vendors in one large, covered urban market

Target group: Urban population

Outcome of interest: Credit balance/repayment

Intervention type: Cash transfers Financial literacy Training Unconditional cash transfers

Partner organization(s): Australian Government Overseas Aid Program (Australian Aid)

In the Philippines, street vendors and other small-scale entrepreneurs often borrow small amounts of money at high interest rates. These payments can amount to a substantial portion of their take-home profit over time. In an ongoing study, researchers are testing whether giving vendors money to pay off their outstanding debts or offering financial literacy trainings can help break these borrowers' cycles of debt.

Policy issue

In many low to middle income countries it is common for street vendors and other small-scale entrepreneurs to borrow small amounts of money for their working capital at very high rates of interest. Over time, these interest rate payments can amount to a burdensome proportion of a vendor's take-home profit. But if vendors saved small amounts of money over time, they might be able to build up a buffer of savings large enough to stop the practice of borrowing money from informal lenders. It is unclear, though, whether vendors may persist in borrowing due to lack of information about the benefits of saving and whether a financial literacy invention could benefit these entrepreneurs.

Context of the evaluation

In urban markets in the Philippines, like the large covered market in Cayagan do Oro, street vendors are prevalent and often borrow from informal moneylenders at high rates of interest. Vendors in this study all ran their own businesses, had a history of indebtedness at interest rates of at least 5 percent per month over the previous 5 years, and had an outstanding debt of less than PHP 5,000 (US$100). Vendors were included in the study only if they met these conditions and operated a business in or near the public market in Cagayan de Oro. Vendors most often used their loans to expand or maintain their current businesses.



Women receiving financial literacy training in the Philippines

Details of the intervention

Researchers tested two interventions to help break the cycle of debt. After an initial baseline survey to gather information on history of debt, household consumption, and financial literacy, 250 vendors were randomly assigned to one of four groups. They either (1) had their outstanding debt paid off, (2) were given financial literacy training, (3) received both, or (4) received nothing (comparison).

For the debt payoff intervention, researchers gave respondents money equal to their previously reported debt and had them payoff their outstanding balances (an average of about US$47). For the financial literacy intervention, researchers developed a script modeled after Freedom from Hunger's financial literacy module. Partner staff conducted a single financial literacy session with respondents in small groups of about 16 people that focused on the benefits of savings, the long-term costs of repeated borrowing from moneylenders, the value of planning in advance and saving for large expenses, and the advantages of borrowing from formal lenders (like microfinance institutions or banks) at lower interest rates.

A set of follow-up surveys were administered after 1 month, 2 months and 3 months, and an endline survey was administered between 19 and 21 months after the baseline survey. The baseline survey was administered in early July 2007 and the endline survey was administered between February and April 2009.

Results and policy lessons

Results Forthcoming. A follow-up study is being conducted to replicate the results, expand the sample, and assess the impact of adding a savings component to the debt forgiveness intervention. This component consists of offering a savings account with no

starting fees and a subsidy for initial deposits.