

# The Economic Lives of the Poor

Abhijit V. Banerjee and Esther Duflo

**I**n what turned out to be a rhetorical master-move, the 1990 World Development Report from the World Bank defined the “extremely poor” people of the world as those who are currently living on no more than \$1 per day per person, measured at the 1985 purchasing power parity (PPP) exchange rate. In 1993, the poverty line was updated to \$1.08 per person per day at the 1993 PPP exchange rate, which is the line we use in this paper. Poverty lines have always existed—indeed \$1 per day was chosen in part because of its proximity to the poverty lines used by many poor countries.<sup>1</sup> However the \$1-a-day poverty line has come to dominate the conversations about poverty to a remarkable extent.

But how actually does one live on less than \$1 per day? This essay is about the economic lives of the extremely poor: the choices they face, the constraints they grapple with, and the challenges they meet. The available evidence on the economic lives of the extremely poor is incomplete in many important ways. However, a number of recent data sets and a body of new research have added a lot to what we know about their lives, and taken together there is enough to start building an image of the way the extremely poor live their lives.

Our discussion of the economic lives of the extremely poor builds on household surveys conducted in 13 countries listed in Table 1: Cote d’Ivoire, Guatemala, India, Indonesia, Mexico, Nicaragua, Pakistan, Panama, Papua New Guinea, Peru, South Africa, Tanzania, and Timor Leste (East Timor). We mainly use the Living

<sup>1</sup> For example, the “All India Rural” poverty line used by the Indian Planning Commission was 328 rupees per person per month, or \$32 in purchasing power parity (PPP) dollars in 1999/2000.

■ *Abhijit V. Banerjee and Esther Duflo are both Professors of Economics and Directors of the Abdul Latif Jameel Poverty Action Lab, Massachusetts Institute of Technology, Cambridge, Massachusetts.*

Table 1  
Description of Data Sets

Country	Source	Year	Avg. monthly consumption per capita (In PPP\$)	Households (HHs) living on less than			
				\$1.08 per person per day		\$2.16 per person per day	
				Number surveyed	Percent of total surveyed HHs	Number surveyed	Percent of total surveyed HHs
Cote d'Ivoire	LSMS	1988	664.13	375	14%	1,411	49%
Guatemala	GFHS	1995	301.92	469	18%	910	34%
India-Hyderabad	Banerjee-Duflo- Glennester	2005	71.61	106	7%	1,030	56%
India-Udaipur	Banerjee-Deaton- Duflo	2004	43.12	482	47%	883	86%
Indonesia	IFLS	2000	142.84	320	4%	2,106	26%
Mexico	MxFLS	2002	167.97	959	15%	2,698	39%
Nicaragua	LSMS	2001	117.34	333	6%	1,322	28%
Pakistan	LSMS	1991	48.01	1,573	40%	3,632	83%
Panama	LSMS	1997	359.73	123	2%	439	6%
Papua New Guinea	LSMS	1996	133.38	185	15%	485	38%
Peru	LSMS	1994	151.88	297	7%	821	20%
South Africa	LSMS	1993	291.33	413	5%	1,641	19%
Tanzania	LSMS	1993	50.85	1,184	35%	2,941	73%
Timor Leste	LSMS	2001	64.42	662	15%	2,426	51%

*Sources:* The Mexican Family Life Survey is documented in Rubalcava and Teruel (2004) and available at <http://www.radix.uia.mx/ennvih/>. The LSMS are available from the World Bank LSMS project page. The IFLS and GFHS are available from the RAND FLS page (<http://www.rand.org/labor/FLS/>). The Udaipur data is available from [www.povertyactionlab.org/data](http://www.povertyactionlab.org/data). The Hyderabad data is forthcoming on the same page.

*Notes:* To compute the \$1.08 and \$2.16 poverty line for the countries in our sample, we use the 1993 consumption exchange rate provided by the World Bank (available at <http://iresearch.worldbank.org/PovcalNet/jsp/index.jsp>) multiplied by the ratio of the country's Consumer Price Index to the U.S. Consumer Price Index between 1993 and the year the survey was carried out. To compute average consumption per capita and the proportion of households in poverty, observations are weighted using (survey weight \* household size).

Standard Measurement Surveys (LSMS) conducted by the World Bank and the "Family Life Surveys" conducted by the Rand Corporation, all of which are publicly available. In addition, we also use two surveys that we conducted in India with our collaborators. The first was carried out in 2002 and 2003 in 100 hamlets of Udaipur District, Rajasthan (Banerjee, Deaton, and Duflo, 2004). Udaipur is one of the poorer districts of India, with a large tribal population and an unusually high level of female illiteracy. (At the time of the 1991 census, only 5 percent of women were literate in rural Udaipur.) Our second survey covered 2,000 households in "slums" (or informal neighborhoods) of Hyderabad, the capital of the state of Andhra Pradesh and one of the boomtowns of post-liberalization India (Banerjee, Duflo,

and Glennerster, 2006). We chose these countries and surveys because they provide detailed information on extremely poor households around the world, from Asia to Africa to Latin America, including information on what they consume, where they work, and how they save and borrow. To flesh out our main themes further, we also draw freely on the existing research literature.

From each of these surveys we identified the extremely poor as those living in households where the consumption per capita is less than \$1.08 per person per day, as well as the merely “poor” defined as those who live under \$2.16 a day using 1993 purchasing power parity (PPP) as benchmark. In keeping with convention, we call these the \$1 and \$2 dollar poverty lines, respectively. The use of consumption, rather than income, is motivated by the better quality of the consumption data in these surveys (Deaton, 2004). Table 1 provides some background information on these surveys. It lists the countries, and the source of the survey data. It also lists the sample sizes: the numbers and the proportions of the extremely poor and the poor in each survey. The fraction of individuals living under \$1 dollar per day in the survey vary from 2 percent in Panama to 47 percent in Udaipur, and the fraction living under \$2 per day varies from 6 percent in Panama to 86 percent in Udaipur. All the numbers discussed in this paper and detailed results are available in an appendix that appears with the on-line version of this article at (<http://www.ejep.org>).

The way in which we identify the poor does raise questions. Purchasing power parity exchange rates, which are essential to compute a “uniform” poverty line, have been criticized as inadequate, infrequently updated, and inapplicable to the consumption of the extremely poor (Deaton, 2004, 2006). Prices are typically higher in urban than in rural areas, and even in rural areas, the poor may pay different prices than everyone else. Also, reporting periods vary significantly from survey to survey and this has been shown to affect systematically what people report.

But while these issues are obviously serious for counting the exact number of the poor, they may affect the conclusions of this essay less because instead of counting the poor, we are describing what their lives look like. Misclassifying some households should not change anything very important about the averages we observe in the data, unless both the number affected are very large and those artificially moved into or out of poverty by changes in the poverty line are very different than the other poor. It turns out that most of our conclusions do not change if we look at the poor rather than the extremely poor, which is reassuring. Nevertheless, we cannot entirely rule out the possibility that our results may be different with a different poverty line.

We also assume that the people we are describing as the poor are long-term poor, in the sense that their permanent income is actually close to their observed consumption. If the poor people we observe are just making a brief transition through poverty, then some of the behaviors that we will observe (such as lack of savings) would be less puzzling, and others (like the lack of assets) would be much more so. We feel that this assumption is a reasonable one in most of the countries, since the fraction of the population below \$2.16 a day is actually sizeable—40 percent of the population or more in the median country and more than

70 percent in quite a few. Thus, it is unlikely that many of these people are just temporarily poor. However, for this reason, the poor in Panama, where only 6 percent of the population is poor, or in South Africa, where 19 percent is poor, may not be easily compared to the poor in some of the other countries, where the poor are a much larger share of the population.

## The Living Arrangements of the Poor

The typical extremely poor family tends to be large, at least by the standards of today's high-income countries. The number of family members varies between about six and twelve, with a median value (across the different countries) of between seven and eight, compared to 2.5 in the 2000 U.S. census, for example.

Not all surveys report fertility rates, which would be the ideal way to distinguish whether these high numbers result from the average woman having a lot of children, or if it results from an extended family living together. However, the data does give broad measures of the age structure in these families (the number of those below 13, between 13 and 18, above 51, and so on). The number of adults (over age 18) ranges from about 2.5 to about five, with a median of about three, which suggests a family structure where it is common for adults to live with parents, siblings, uncles, cousins, and so on. This finding is common in the literature on developing countries. When every penny counts, it helps to spread the fixed costs of living, like housing, over a larger number of people. Consistent with this view, family size is larger for the extremely poor than for the entire group below \$2 a day, on the order of one half of one person or more, though at least some part of this difference is because extremely poor families have more children living with them.

These families also have a large number of children. This fact does not necessarily imply high levels of fertility, as families often have multiple adult women. When we look at the number of children (ages 0 to 18) per woman in the child-bearing age (ages 21–50) we get numbers between two and four in both the rural and the urban sample, though the urban ratios tend to be slightly lower. This ratio cannot be interpreted as a fertility rate, because for example, a 51 year-old could have a child who is now 36, but we only include children who are below age 18. A more useful exercise with this data is to compare the number of young people (those below 18) in these families with the number of older people (those above 51). The ratio varies between three and nine in the rural sample, with a median of six, and between two and eleven in the urban sample, again with a median around six. The corresponding ratio in the United States is around one. The poor of the world are very young.

One reason the population is young is that there are a lot of younger people. A complementary reason is that there are very few older people. The ratio of the number older people (over age 51) to the number of people of "prime-age" (21–50) tends to be between 0.2 and 0.3 in both the rural and the urban sample. The corresponding number in the United States is approximately 0.6. A plausible

explanation for this difference might be the higher mortality rates among those who are older and poor in poor countries, but in principle it is possible that it is an artifact of the way we constructed our sample. It could be that older people are underrepresented in our sample because they tend to be richer. But in this case, we might have expected to find more of the older people among the poor (as compared to the extremely poor), whereas the data does not show such a pattern.

### **How the Poor Spend Their Money**

A common image of the extremely poor is that they have few real choices to make. Indeed, some people surely work as hard as they can—which may not be particularly hard, because they are underfed and weak and earn barely enough to cover their basic needs, which they always try to fulfill in the least expensive way. Historically, poverty lines in many countries were originally set to capture this definition of poverty—the budget needed to buy a certain amount of calories, plus some other indispensable purchases (such as housing). A “poor” person was essentially defined as someone without enough to eat.

### **Food and Other Consumption Purchases**

Yet the average person living at under \$1 per day does not seem to put every available penny into buying more calories. Among our 13 countries, food typically represents from 56 to 78 percent of consumption among rural households, and 56 to 74 percent in urban areas. For the rural poor in Mexico, slightly less than half the budget (49.6 percent) is allocated to food.<sup>2</sup>

Of course, these people could be spending the rest of their money on other commodities they greatly need. Yet among the nonfood items that the poor spend significant amounts of money on, alcohol and tobacco show up prominently. The extremely poor in rural areas spent 4.1 percent of their budget on tobacco and alcohol in Papua New Guinea; 5.0 percent in Udaipur, India; 6.0 percent in Indonesia; and 8.1 percent in Mexico. However, in Guatemala, Nicaragua, and

<sup>2</sup> The fact that the share spent on food, which is often seen as a physiological necessity, varies so much across countries is itself interesting. One possibility is that this represents the fact that the poor have more choice in some countries than in others, because consumption goods are cheap relative to food in some countries. For example, India, a large economy with a long history of being relatively closed, has evolved a large menu of low-cost and lower-quality consumer goods that are produced almost exclusively for the domestic market, examples include tooth-paste, cigarettes, and clothing. Other countries must buy these goods at higher prices on the global market. If the manufactured consumer goods that the average person buys in India tend to be inexpensive relative to their traded counterparts, the ratio between the consumption exchange rate at purchasing power parity and the official exchange rate ought to be relatively low in India. More generally: the lower this ratio, the lower is the share of the consumption that should be made up of food. In our data, it turns out that the correlation between the ratio of the PPP exchange rate for consumption to the official exchange rate in 1993 and the share of expenditure spent on food is 0.33 among these 12 countries, although this sample is of course too small to support a definite conclusion.

Peru, no more than 1 percent of the budget gets spent on these goods (possibly because the poor in these countries prefer other intoxicants).

Perhaps more surprisingly, spending on festivals is an important part of the budget for many extremely poor households. In Udaipur, over the course of the previous year, more than 99 percent of the extremely poor households spent money on a wedding, a funeral, or a religious festival. The median household spent 10 percent of its annual budget on festivals. In South Africa, 90 percent of the households living under \$1 per day spent money on festivals. In Pakistan, Indonesia, and Cote d'Ivoire, more than 50 percent did likewise. Only in some Latin American countries in our sample—Panama, Guatemala, Nicaragua—are festivals not a notable part of the yearly expenditure for a significant fraction of the households. However, in the LSMS surveys, unlike the Udaipur survey, people are not asked to account separately for the food that they bought because of a festival. It is therefore probably no accident that the Udaipur spending on festivals is the highest across the surveys. The LSMS numbers would probably have been higher if data on food spending because of festivals had been directly collected in those surveys.

On the other hand, the under-\$1-per-day households spend very little on forms of entertainment common in high-income countries such as movies, theater, or video shows. In all 13 countries in our sample, in the month preceding the survey the average extremely poor household spent less than 1 percent on any of these forms of entertainment. The comparable number for the United States is 5 percent. We can only speculate about the roots of this difference. Has the importance given to festivals and other indigenous forms of entertainment crowded out moviegoing? Or is the answer as simple as a lack of access to movie theaters?

The propensity to own a radio or a television, a widespread form of entertainment for American households, varies considerably across low-income countries. For example, among rural households living under \$1 per day, ownership of a radio is 11 percent in the Udaipur survey, almost 60 percent in Nicaragua and Guatemala, and above 70 percent in South Africa and Peru. Similarly, no one owns a television in Udaipur, but in Guatemala nearly a quarter of households do, and in Nicaragua, the percentage is closer to a half.

These phenomena of spending on festivals and ownership of radios or televisions appear to be related. In Udaipur, where the share spent on festivals is the highest, radio and television ownership is very low. In Pakistan, the fraction spent on festivals is 3.3 percent and only 30 percent have a radio. By contrast, in Nicaragua where among respectively the rural and the urban poor 57 and 38 percent have a radio and 21 percent and 19 percent own a television, very few households report spending anything on festivals.<sup>3</sup> One wrinkle on this explanation

<sup>3</sup> The ultimate source of variation here might be the relative prices of radios and televisions. There is a strong correlation between the ratio of the purchasing power exchange rate for consumption to the official exchange rate, and the probability that a household owns a radio (the correlation is 0.36). The logic is probably quite similar to the argument presented earlier in the context of food consumption in footnote 2. Radios are tradable (they are essentially all made in China). Nontradable goods are much

is that the urban poor who are much more likely to own a television than the rural poor (60 versus 33 percent in Indonesia, 61 versus 10 percent in Peru, 38 versus 17 percent in South Africa), do not spend less on festivals than their rural counterparts. While this observation is based on only a few data points, it hints at the possibility of an unmet demand for entertainment among the rural poor—they might like to buy a television, but perhaps the television signal does not reach their neighborhoods.

In either case, the poor do see themselves as having a significant amount of choice, but they choose not to exercise that choice in the direction of spending more on food. The typical poor household in Udaipur could spend up to 30 percent more on food than it actually does, just based on what it spends on alcohol, tobacco, and festivals. Indeed, in most of the surveys the share spent on food is about the same for the poor and the extremely poor, suggesting that the extremely poor feel no extra compulsion to purchase more calories.

This conclusion echoes an old finding in the literature on nutrition: even the extremely poor do not seem to be as hungry for additional calories as one might expect. Deaton and Subramanian (1996), using 1983 data from the Indian state of Maharashtra, found that even for the poorest, a 1 percent increase on overall expenditure translates into about a two-thirds of a percent increase in the total food expenditure of a poor family. Remarkably, the elasticity is not very different for the poorest individuals in the sample and the richest (although nobody is particularly rich in this sample). The Deaton and Subramanian estimate is one of the higher estimates. Thomas and Strauss (1997) found an elasticity of demand for food with respect to expenditure per capita of about a quarter for the poorest Brazilians.

Another way to make the same point is to look at what edibles the extremely poor are buying. Deaton and Subramanian (1996) note that among grains, in terms of calories per rupee, the millets (*jowar* and *bajra*) are clearly the best buy. Yet in their data, only about two-thirds of the total spending on grains is on these grains, while another 20 percent is on rice, which costs more than twice as much per calorie, and a further 10 percent or so is spent on wheat, which is a 70 percent more expensive way to get calories. In addition, the poor spend almost 7 percent of their total budget on sugar, which is both more expensive than grains as a source of calories and bereft of other nutritional value. The same affinity for sugar also shows up in our Udaipur data, in which the poor spend almost 10 percent of their food budget on the category “sugar, salt, and other processed foods” (this does not include cooking oil, which makes up another 6 percent of the expenditures on food). Even for the extremely poor, for every 1 percent increase in the food expenditure, about half goes into purchasing more calories, and half goes into purchasing more expensive (and presumably better tasting) calories.

---

less costly in some countries than others, while traded goods tend to be more similarly priced, so people at the same expenditure levels at purchasing power parity can have widely differing levels of purchasing power in terms of traded goods.

Finally, the trend seems to be to spend even less money on food. In India, for example, spending on food went from 70 percent in 1983 to 62 percent in 1999–2000, and the share of millet in the food budget dropped to virtually zero (Deaton, 2006). Not surprisingly, the poor are also consuming fewer calories over time (Meenakshi and Vishwanathan, 2003), though this change may also reflect that their work involves less physical effort (Jha, 2004).

### **The Ownership of Assets**

While all the surveys have some information about assets, the list of assets varies. To obtain a relatively coherent list across countries, we focus on radios, televisions, and bicycles. The share of people who own these particular assets varies significantly across countries.

As we already discussed, ownership of radio and television varies from country to country, but is low in some countries. One reason may be the lack of signal. Another reason may be that a television is an expensive and lumpy transaction for which one has to save if one is born poor. We do see a fairly steep income gradient in the ownership of radio and television: In all countries, the share of rural households owning a television is substantially larger for those who live on less than \$2 a day than those living on less than \$1 a day. For example, the share owning a television increases from 14 percent for those living on \$1 a day to 45 percent for those living on less than \$2 a dollar a day in Cote d'Ivoire; from 7 to 17 percent in South Africa; and from 10 to 21 percent in Peru. This pattern has been observed in other contexts (Filmer and Pritchett, 2001) and has been the basis for using the lack of durable goods as a marker for poverty. Our data suggests that this proxy can be appropriate within a country, but it could easily be misleading in a cross-country comparison.

Among productive assets, land is the one that many people in the rural surveys seem to own, although enormous country-to-country variation exists. Only 4 percent of those living under \$1 a day own land in Mexico, 1.4 percent in South Africa, 30 percent in Pakistan, 37 percent in Guatemala, 50 percent in Nicaragua and Indonesia, 63 percent in Cote d'Ivoire, 65 percent in Peru, and 85 percent in Panama. In the Udaipur sample, 99 percent of the households below \$1 a day own some land in addition to the land on which their house is built, although much of it is dry scrubland that cannot be cultivated for most of the year. However, when the extremely poor do own land, the plots tend to be quite small. The median landholding among the poor who own land is one hectare or less in Udaipur, Indonesia, Guatemala, and Timor; between one and two hectares in Peru, Tanzania, Pakistan; and between two and three hectares in Nicaragua, Cote d'Ivoire, and Panama.

Apart from land, extremely poor households in rural areas tend to own very few durable goods, including productive assets: 34 percent own a bicycle in Cote d'Ivoire, but less than 14 percent in Udaipur, Nicaragua, Panama, Papua New Guinea, Peru, and East Timor. In Udaipur, where we have detailed asset data, most extremely poor households have a bed or a cot, but only about 10 percent have a

chair or a stool and 5 percent have a table. About half have a clock or a watch. Fewer than 1 percent have an electric fan, a sewing machine, a bullock cart, a motorized cycle of any kind, or a tractor. No one has a phone. As we will see below, this situation does not mean that most of these households are employees and have little use for such assets. On the contrary, many extremely poor households operate their own businesses, but do so with almost no productive assets.

### **The Pursuit of Health and Well-being**

Should we worry about the fact that the poor are buying less food than they could? According to Deaton and Subramanian (1996), the poorest people—the ones in the bottom decile in terms of per capita expenditure—consume on average slightly less than 1400 calories a day. This level is about half of what the Indian government recommends for a man with moderate activity, or a woman with heavy physical activity (see [http://www.fao.org/documents/show\\_cdr.asp?url\\_file=/DOCREP/x0172e/x0172e02.htm](http://www.fao.org/documents/show_cdr.asp?url_file=/DOCREP/x0172e/x0172e02.htm)). The shortfall seems enormous. The Udaipur data, which includes other health indicators, suggest that health is definitely reason for concern.

Among the extremely poor in Udaipur, only 57 percent report that the members of their household had enough to eat throughout the year. Among the poor adults in Udaipur, the average “body mass index” (that is, weight in kilograms divided by the square of the height in meters) is 17.8. Sixty-five percent of adult men and 40 percent of adult women have a body mass index below 18.5, the standard cutoff for being underweight (WHO expert consultation, 2004). Moreover, 55 percent of the poor adults in Udaipur are anemic, which means they have an insufficient number of red blood cells. The poor are frequently sick or weak. In Udaipur, 72 percent report at least one symptom of disease and 46 percent report an illness which has left them bedridden or necessitated a visit to the doctor over the last month. Forty-three percent of the adults and 34 percent of the adults aged under 50 report difficulty carrying out at least one of their “activities of daily living,” such as working in the field, walking, or drawing water from a well. Diarrhea is extremely frequent among children. About one-seventh of the poor have vision problems, which may be caused by either poor nutrition, or the diseases that afflict them, or a combination of the two.

Detailed information on health is not available in all the surveys, but most report the incidence over the last month of health episodes that left a household member bedridden for a day or more, or that required a household member to see a doctor. The general pattern is a remarkably high level of morbidity. Among the rural poor living under \$1 a day in Peru, South Africa, East Timor, Panama, and Tanzania, between 11 and 15 percent of households report having a member either being bedridden for at least a day or requiring a doctor. The number is between 21 and 28 percent in Pakistan, Indonesia, and Cote d’Ivoire, and between 35 and 46 percent in Nicaragua, Udaipur, and Mexico.

Even these high numbers may be an understatement if the poor are less prone to recall and report such sicknesses than those with higher incomes. The poor

generally do not complain about their health—but then they also do not complain about life in general, either. While the poor certainly *feel* poor, their levels of self-reported happiness or self-reported health levels are not particularly low (Banerjee, Duflo, and Deaton, 2004). On the other hand, the poor do report being under a great deal of stress, both financial and psychological. In Udaipur, about 12 percent say that there has been a period of one month or more in the last year in which they were so “worried, tense, or anxious” that it interfered with normal activities like sleeping, working, and eating. Case and Deaton (2005) compare data from South Africa to the data from Udaipur and data from the United States. They find that the answers of poor South Africans and poor Indians about stress look very similar, while reported levels of stress are very much lower in the United States. The most frequently cited reason for such tensions is health problems (cited by 29 percent of respondents), with lack of food and death coming next (13 percent each). Over the last year, in 45 percent of the extremely poor households in Udaipur (and 35 percent of those living under \$2 a day) adults had to cut the size of their meal at some point during the year and in 12 percent of them, children had to cut the size of their meals. In the extremely poor households under \$1 per day, 37 percent report that, at some point in the past year, the adults in the household went without a meal for an entire day. Cutting meals is also strongly correlated with unhappiness.

Even poor households should be able to save enough to make sure that they never have to cut meals, because as discussed above they do have substantial slack in their budgets and cutting meals is not that common. Additional savings would also make it easier to deal with healthcare emergencies. For these households, saving a bit more would seem like a relatively inexpensive way to reduce stress.

### **Investment in Education**

The extremely poor spend very little on education. The expenditure on education generally hovers around 2 percent of household budgets: higher in Pakistan (3 percent), Indonesia (6 percent), and Cote d’Ivoire (6 percent), but much lower in Guatemala (0.1 percent), and South Africa (0.8 percent). The fraction does not really change very much when we compare the poor to the extremely poor, or rural areas to urban areas, though in a few countries like Pakistan, urban families spend substantially more than rural families. This low level of expenditure on education is not because the children are out of school. In 12 of the 13 countries in our sample, with the exception of Cote d’Ivoire, at least 50 percent of both boys and girls aged 7 to 12 in extremely poor households are in school. In about half the countries, the proportion enrolled is greater than 75 percent among girls, and more than 80 percent among boys.

The reason education spending is low is that children in poor households typically attend public schools or other schools that do not charge a fee. In countries where poor households spend more on education, it is typically because government schools have fees, as in Indonesia and Cote d’Ivoire. However, mounting evidence, reported below, suggests that public schools in these countries are often dysfunctional, which could explain why even very poor parents in Pakistan are

pulling their children out of public schools and spending money to send them to private schools.

## **How the Poor Earn Their Money**

Walking down the main street of the biggest slum in the medium-sized southern Indian city of Guntur at nine in the morning, the first thing one notices are the eateries. In front of every sixth house that directly faced the road, by our count, a woman was sitting behind a little kerosene stove with a round cast-iron griddle roasting on it. Every few minutes someone would walk up to her and order a *dosa*, the rice and beans pancakes that almost everyone eats for breakfast in south India. She would throw a cupful of the batter on the griddle, swirl it around to cover almost the entire surface, and drizzle some oil around the edges. A minute or two later, she would slide an off-white pock-marked pancake off the griddle, douse it in some sauce, fold it in a newspaper or a banana leaf and hand it to her client, in return for a rupee (roughly 15 cents).

When we walked back down that same street an hour later, the women were gone. We found one inside her house, filling her daughter's plate with lunch that she had cooked while making the *dosas*. She told us that later that day, she was going out to vend her *saris*, the long piece of decorative cloth that Indian women drape around themselves. She gets plain nylon saris from the shop and stitches beads and small shiny pieces on them. Once a week, she takes them from house to house, hoping that women would buy them to wear on special occasions. And they do buy them, she said confidently. All the other *dosa* women we met that day had a similar story: once they are done frying *dosas*, they do something else. Some collect trash; others make pickles to sell; others work as laborers.

## **Entrepreneurship and Multiple Occupations among the Poor**

All over the world, a substantial fraction of the poor act as entrepreneurs in the sense of raising capital, carrying out investment, and being the full residual claimants for the resulting earnings. In Peru, 69 percent of the households who live under \$2 a day in urban areas operate a nonagricultural business. In Indonesia, Pakistan, and Nicaragua, the numbers are between 47 and 52 percent. A large fraction of the rural poor operate a farm: 25 to 98 percent of the households who earn less than a dollar a day report being self-employed in agriculture, except in Mexico and South Africa where self-employment in agriculture is very rare.<sup>4</sup> Moreover, many of the rural poor—from 7 percent in Udaipur up to 36 percent in Panama—also operate a nonagricultural business.

<sup>4</sup> The low level of agriculture among the extremely poor in South Africa is easily explained. The black population, which contains almost all of the extremely poor people, was historically under the apartheid regime not allowed to own land outside the “homelands,” and most of the land in the homelands was not worth cultivating.

Many poor households have multiple occupations. Like the *dosa* women of Guntur, 21 percent of the households living under \$2 a day in Hyderabad who have a business actually have more than one, while another 13 percent have both a business and a laborer's job. This multiplicity of occupations in urban areas is found in many other countries as well, though not everywhere. Among those earning less than \$2 a day, 47 percent of the urban households in Cote d'Ivoire and Indonesia get their income from more than one source; 36 percent in Pakistan; 20.5 percent in Peru; and 24 percent in Mexico. However, in urban South Africa and Panama, almost no one has more than one occupation and only 9 percent do so in Nicaragua and Timor Leste.<sup>5</sup>

This pattern of multiple occupations is stronger in rural areas. In Udaipur district, as we discussed earlier, almost everybody owns some land and almost everybody does at least some agriculture. Yet only 19 percent of the households describe self-employment in agriculture as the *main* source of their income. Working on someone else's land is even rarer, with only 1 percent reporting this as their main source of income. In other words, the poor cultivate the land they own, no less and usually, no more. Yet, agriculture is not the mainstay of most of these households. The most common occupation for the poor in Udaipur is working as a daily laborer: 98 percent of households living under \$1 per day in rural areas report doing this, and 74 percent claim it is their main source of earnings.

This pattern is confirmed by data from a smaller survey of 27 villages randomly sampled from eight districts in West Bengal (Banerjee, 2006). In this survey, even households that claim to be the operators for a plot of land spend only 40 percent of their time in agricultural activities on their own land. The fraction is not very different for men and women—women do less direct agricultural work but more animal rearing, along with growing fruits and vegetables. Their other activities include teaching, sewing and embroidery, unpaid household work, and gathering fuel. Strikingly, almost 10 percent of the time of the average household is spent on gathering fuel, either for use at home or for sale. The median family in this survey has three working members and *seven* occupations.

In most of the Living Standard Measurement Surveys, households are not asked their main source of earnings, but the pattern of diversification among rural households is apparent nevertheless. In Guatemala, 65 percent of the rural extremely poor say they get some income from self-employment in agriculture, 86 percent work as laborers outside agriculture, and 24 percent are self-employed outside agriculture. In Indonesia, 34 percent of the rural, extremely poor households work as laborers outside of agriculture, and 37 percent earn income from self-employment outside of agriculture. In Pakistan, 51 percent of the rural, extremely poor earn income from labor outside of agriculture and 35 percent from a business outside of agriculture. Overall, the fraction of the rural extremely poor

<sup>5</sup> This result may reflect a data problem. Anthropologists do claim that they observe multiple occupations in South African households (Francie Lund, verbal communication to Angus Deaton).

households who report that they conduct more than one type of activity to earn a living is 50 percent in Indonesia, 72 percent in Cote d'Ivoire, 84 percent in Guatemala, and 94 percent in Udaipur. It is smaller, but not negligible—between 10 and 20 percent—in Nicaragua, Panama, Timor Leste, and Mexico. Once again, an exception to this general pattern is South Africa, where less than 1 percent of the rural poor or extremely poor report multiple occupations.

### **Temporary Migration to Work**

Where do rural households, which are often a walk of a half-hour or more from the nearest road, find all this nonagricultural work? They migrate.

Temporary migration is rarely documented in surveys, but in the Udaipur survey, which had questions about this activity, 60 percent of the poorest households report that someone from their family had lived outside for a part of the year to obtain work. For 58 percent of the families, the head of the household had migrated. The migrants typically complete multiple trips in a year. However, people do not leave for very long. The median length of a completed migration is one month, and only 10 percent of migration episodes exceed three months. Nor do most of the migrants travel very far: 28 percent stay in the district of Udaipur and only 42 percent leave the state of Rajasthan.

Permanent migration for work reasons is rare, although many women move when they marry. Even if we look at households currently living in urban areas, where the inflow of immigrants is presumably higher than in rural areas, the share of extremely poor households who had one member that was born elsewhere and had migrated for work reasons was just 4 percent in Pakistan, 6 percent in Cote d'Ivoire, 6 percent in Nicaragua, and almost 10 percent in Peru. The 1991 Census of India reports that only 14.7 percent of the male population lives somewhere other than where they were born. Indonesia is the only country in our data where the proportion is higher: 41 percent of the urban households came from elsewhere. Indonesia is also the only country in this sample where migration was explicitly subsidized.

### **Lack of Specialization**

A pattern seems to emerge. Poor families do seek out economic opportunities, but they tend not to become too specialized. They do some agriculture, but not to the point where it would afford them a full living (for example, by buying/renting/sharecropping more land). They also work outside, but only in short bursts, and they do not move permanently to their place of occupation.

This lack of specialization has its costs. Many of these poor households receive most of their earnings from these outside jobs, despite only being away for 18 weeks of the year on average (in the case of Udaipur). As short-term migrants, they have little chance of learning their jobs better, or ending up in a job that suits their specific talents, or being promoted.

Even the nonagricultural businesses that the poor operate typically require relatively few specific skills. For example, the businesses in Hyderabad include

11 percent tailors, 8 percent fruit and vegetable sellers, 17 percent small general stores, 6.6 percent telephone booths, 4.3 percent auto owners, and 6.3 percent milk sellers. Except for tailoring, none of these jobs require the high levels of specialized competence that take a long time to acquire, and therefore are associated with higher earnings. In several ways, the poor are trading off opportunities to have higher incomes.

### **The Problem of Scale**

The businesses of the poor typically operate at a remarkably small scale. As we saw, the average landholding for those who own land is usually quite tiny, and renting land is infrequent. Furthermore, most of this land is not irrigated and cannot be used all year.

The scale of nonagricultural businesses run by the poor also tends to be small. In the 13 countries in our sample, the median business operated by people living under \$2 dollars a day either in a rural or an urban location has no paid staff, and the average number of paid employees range between 0.14 in rural Nicaragua to 0.53 in urban Panama. Businesses are operated on average by 1.38 (in Peru) to 2.59 (in Cote d'Ivoire) people—most of them being family members. Most of these businesses have very few assets as well. In Hyderabad, only 20 percent of the businesses operate out of a separate room. In Pakistan, about 40 percent of the businesses of those living under \$1 or \$2 dollar a day have a vehicle, but only 4 percent have a motorized vehicle and none have any machinery. In other countries, even nonmotorized vehicles are rare. In Hyderabad, where we have an exhaustive list of business assets, the most common assets are tables, scales, and pushcarts.

Many of these businesses are probably operating at too small a scale for efficiency. The women making *dosas* spend a lot of time waiting; having fewer *dosa*-makers who do less waiting would be more efficient. In fact, it might make sense in efficiency terms for the *dosa*-makers to work in pairs: one to make the *dosas* and one to wrap them and make change.

### **Markets and the Economic Environment of the Poor**

The economic choices of the poor are constrained by their market environment. For example, some may save little because they lack a safe place to put their savings. Other constraints result from a lack of shared infrastructure. When the government builds a water line to your neighborhood, for example, you no longer need your own well. This section focuses on markets. The next takes up the issue of infrastructure.

### **The Market for Credit and the Poor**

The data from our 13 countries suggests that the fraction of rural, extremely poor households having an outstanding debt varies between countries, from 11 per-

cent in rural East Timor to 93 percent in Pakistan. But across the surveys, very few of the poor households get loans from a formal lending source.

In the Udaipur sample, about two-thirds of the poor had a loan at the time of the interview. Of these loans, 23 percent are from a relative, 18 percent from a money lender, 37 percent from a shopkeeper, and only 6.4 percent from a formal source like a commercial bank or a cooperative. Lest one suspect that the low share of bank credit is due to the lack of physical access to banks, a similar pattern occurs in urban Hyderabad, where households living below \$2 a day primarily borrow from moneylenders (52 percent), friends or neighbors (24 percent), and family members (13 percent), and only 5 percent of the loans are with commercial banks. Indonesia is the one country where a substantial share of loans to the poor is formal: thanks to efforts by the Bank Rakyat Indonesia, one-third of the rural poor Indonesian households borrow from a bank. In the other countries, relatives, shopkeepers, and other villagers form, by far, the overwhelming source of borrowed funds.

Credit from informal sources tends to be expensive. In the Udaipur survey, where we have data on interest rates not available in other surveys, those living on less than \$1 a day pay on average 3.84 percent per month for the credit they receive from informal sources. Those who consume between \$1 and \$2 dollar a day per capita pay a little less: 3.13 percent per month. This lower rate occurs in part because they rely less on informal sources of credit and more on the formal sources than the extremely poor; and in part it reflects that informal interest rates are lower for those with more land—the interest rate from informal sources drops by 0.40 percent per month for each additional hectare of land owned. The monthly interest rate we see in the Hyderabad sample is even higher: 3.94 percent per month for those living under \$2 dollars a day. Few of these urban poor borrowers in Hyderabad have any land to use as collateral.

These high interest rates seem not to occur directly because of high rates of default, but rather as a result of the high costs of contract enforcement. While delay in repayment of informal loans is frequent, default is actually rare (Banerjee and Duflo, 2005). For example, a “Summary Report on Informal Credit Markets in India” reports that across four case studies of money-lenders in rural India, default explains only 23 percent of the interest rate charged (Dasgupta, 1989). A well-known study of rural money-lenders in Pakistan found that the median rate of default across money-lenders is just 2 percent (Aleem, 1990).

However, these low default rates are anything but automatic. Contract enforcement in developing countries is often difficult, and courts often fail to punish recalcitrant borrowers. As a result, lenders often must spend resources to assure that their loans get repaid, which drives up interest rates. The fact that lending depends so much on effective screening and monitoring also means that lending to the poor is especially difficult. Again, part of the problem is that the poor lack collateral to secure the loan and therefore lenders hesitate to trust them. Given that the loan amount will in any case be small, the profits from the transaction may not be large enough to cover the cost of monitoring/screening. As a result, many

lenders are reluctant to lend to the poor. Moreover, informal lenders located close to the borrowers may be the only ones who are willing to lend to the poor—since monitoring/screening is relatively cheap for them. However, these informal lenders pay more for their deposits than the more formal institutions, since they are less capitalized and regulated and do not have any government guarantees. This higher cost of deposits is passed on to poorer borrowers. The gap can be considerable—in the study by Aleem (1990), the cost of capital for the money-lenders was 32.5 percent in a year when banks were only paying 10 percent for their deposits.

### **The Market for Savings and the Poor**

A main challenge for the poor who try to save is to find safety and a reasonable return. Stashing cash inside your pillow or elsewhere at home is neither safe nor well-protected from inflation. In addition, recent research by Ashraf, Karlan, and Yin (forthcoming) in the Philippines and Duflo, Kremer, and Robinson in Kenya (2006) suggests that the poor, like everyone else, have problems resisting the temptation of spending money that they have at hand.

Few poor households have savings accounts. Except in Cote d'Ivoire, where 79 percent of the extremely poor households under \$1 a day have a savings account, the fraction is below 14 percent in the other countries in our data. In Panama and Peru, less than 1 percent of poor households have a savings account. In most countries, the share of households with a saving account is similar in rural and urban areas, and similar for those under \$2 a day and those under \$1 a day. Here India appears to be an exception, since only 6 percent of the extremely poor households in rural Udaipur have a savings account, while 25 percent of them do in the city of Hyderabad.

A lack of access to reliable savings accounts appears common to the poor everywhere, as documented in Stuart Rutherford's (2000) fascinating book, *The Poor and their Money*. Rutherford describes many strategies the poor use to deal with this problem. For example, they form savings "clubs," where each person makes sure that the others save. Self-Help Groups (SHGs), popular in parts of India and present in Indonesia as well, are saving clubs which also make loans to their members out of the accumulated savings (they are also sometimes linked to banks). In Africa, Rotating Savings and Credit Associations (ROSCAs) allow people to lend their savings to each other on a rotating basis. Others pay deposit collectors to collect their deposits and put them in a bank. Others deposit their savings with local money-lenders, with credit unions (which are essentially larger and much more formally organized self-help groups) or in an account at the local post office. Indeed, one reason why many of the poor respond so well to microcredit is not necessarily because it offers them credit, but because once you take a loan and buy something with it, you have a disciplined way to save—namely, by paying down the loan.

Even participation in semiformal savings institutions (such as self-help groups, ROSCAs, and microfinance institutions) is not nearly as common among the poor

as one might have expected. Even in India, despite the high visibility especially of SHGs, less than 10 percent of the poor in our Udaipur and Hyderabad surveys are part of an SHG or a ROSCA. The majority of the households who have any savings deposit it at a bank.

### **The Market for Insurance and the Poor**

The poor have little access to formal insurance. In many surveys, questions about insurance are not even asked. In the six of our seven countries where such data is available, less than 6 percent of the extremely poor are covered by health insurance of any kind. The exception is Mexico, where about half of the extremely poor have coverage. The numbers are not much higher in urban areas. Life insurance is a bit more common in India (and is, essentially, a form of savings). Four percent of the extremely poor in Udaipur and 10 percent in Hyderabad have life insurance.<sup>6</sup>

In principle, social networks can provide informal insurance. For example, Udry (1990) shows that poor villagers in Nigeria experience a dense network of loan exchanges: Over the course of one year, 75 percent of the households had made loans, 65 percent had borrowed money, and 50 percent had been both borrowers and lenders. Almost all of these loans took place between neighbors and relatives. Both the repayment schedule and the amount repaid were affected by both the lender's and the borrower's current economic conditions, underlining the role of these informal loans in providing insurance. Munshi and Rosenzweig (2005) argue that the same process happens in India through the *jati* or subcaste networks.

Yet these informal networks have only a limited ability to protect the households against risk. The consumption of poor households is strongly affected by variations in their incomes, as has been shown by Deaton (1997) in Cote d'Ivoire, Munshi and Rosenzweig (2005) in India, Fafchamps and Lund (2003) in the Philippines, and Townsend (1995) in Thailand. Poor households also bear most health care risks (both expenditures and foregone earnings) directly. For example, Gertler and Gruber (2002) find that in Indonesia a decline in the health index of the head of the household is associated with a decline in nonmedical expenditures. In Udaipur, large expenditures on health (\$70 and higher, at purchasing power parity exchange rates) are covered by borrowing or dissaving. Only 2 percent of these expenses were paid for by someone else, and none came from the self-help groups. Twenty-four percent of the households in Hyderabad had to borrow to pay for health expenses in the last year. When the poor fall under economic stress, their "insurance" often means eating less or taking their children out of school. For example, Jacoby and Skoufias (1997) find that poor children leave school in bad years. Rose (1999) finds that the gap in mortality of girls relative to boys is much larger in drought years (but only for the landless households, who are not able to sell land or borrow to weather the crisis). Poor households also are less likely to get

<sup>6</sup> Surprisingly, weather insurance is also essentially absent everywhere the world over (Morduch, 2006), although it would seem straightforward to provide insurance against observed weather patterns.

medical treatment for themselves or their children. In the Udaipur sample, those who were sick in the last months and did not seek treatment (more than half) cite lack of money more often than any other reason (34 percent). The lack of insurance also leads the poor to underinvest in risky but profitable technologies, such as new seeds (Morduch, 1995).

The weaknesses of informal insurance should not really be a surprise. Ultimately, informal insurance relies on the willingness of the fortunate to take care of those less favored, which limits the insurance provided. Moreover, informal social networks are often not well-diversified. They often spread risk over households who live nearby and have similar incomes and occupations, as Fafchamps and Gubert (2005) show for the Philippines.

Governments in these countries are not very effective at providing insurance either. In most countries, the government is supposed to provide free health care to the poor. Yet health care is rarely free. Government health care providers often illegally charge for their own services and for medicines. Also, as we will see, the quality of care in the public system is so low that the poor often end up visiting private providers.

A number of governments provide a form of income insurance through safety-net “food for work” programs. Under these programs, everyone is entitled to a certain number of days of government employment usually involving physical labor at a pre-announced (relatively low) wage. In Udaipur, where the years leading up to the survey had been particularly arid, 76 percent of the poor had at least one of the household members work on a public employment program of this kind. However, such schemes often offer only a limited number of jobs which can end up being doled out in a way that discriminates against the poor.

### **The Market for Land and the Poor**

For historical reasons, land is the one asset the poor tend to own. But land records in developing countries are often incomplete and many people do not have titles to their land. As many including most famously Hernando De Soto (2003) have emphasized, an unclear title makes it harder to sell the land or mortgage it. This situation is especially troubling for the poor, because they tend to own a lot of the land that was either recently cleared or recently encroached upon, which is typically the land where tilling is incomplete. Erica Field (2006) suggests that, in Peru, the poor spend a lot of time protecting their claims to the land (since they have no title, they have no legal recourse).

The poor also suffer because where titles are missing or imperfectly enforced, political influence matters. In parts of Ghana, land belongs either to lineages or to the village, and cultivators have only rights of use. In this context, Goldstein and Udry (2005) show that the people who lack the political clout to prevent having their land taken away from them by the village or their lineage (which typically includes the poor) do not leave their land fallow for long enough. Leaving land to fallow increases its productivity, but increases the risk that someone may seize it.

Finally, a long tradition of research in agricultural economics argues that the

poor lack incentives to make the best use of the land they are cultivating because they are agents rather than owners (Shaban, 1987). Banerjee, Gertler, and Ghatak (2002) found that a reform of tenancy that forced landlords to raise the share of output going to the sharecroppers and also gave them a secure right to the land raised productivity by about 50 percent.

## **Infrastructure and the Economic Environment of the Poor**

Infrastructure includes roads, power connections, schools, health facilities, and public health infrastructure (mostly water and sanitation). While markets and the government play differing roles in the supply of such infrastructure, all elements of infrastructure are usefully thought of as part of the environment in which people live, with some characteristics of a local public good, rather than something that can be purchased piecemeal by individuals.

The availability of physical infrastructure to the poor like electricity, tap water, and even basic sanitation (like access to a latrine) varies enormously across countries. In our sample of 13 countries, the number of rural poor households with access to tap water varies from none in Udaipur to 36 percent in Guatemala. The availability of electricity varies from 1.3 percent in Tanzania to 99 percent in Mexico. The availability of a latrine varies from none in Udaipur to 100 percent in Nicaragua. Different kinds of infrastructure do not always appear together. In Indonesia, 97 percent of rural, extremely poor households have electricity but only 6 percent have tap water. Some governments provide reasonable access to both electricity and tap water to the extremely poor: in Guatemala, 38 percent of the extremely poor rural households have tap water and 30 percent have electricity. Other governments do very little: in Udaipur, Papua New Guinea, East Timor, and South Africa, the share of the rural, extremely poor with tap water or electricity is below 5 percent.

Generally, access to electricity and tap water is greater for the urban poor than the rural poor (which is probably fortunate since lack of sanitation in very dense surroundings can be particularly dangerous from the public health point of view). The only exception to this pattern in our 13 countries is Cote d'Ivoire, where rural households seem to have better access. Moreover, access to both tap water and electricity is typically higher for those under \$2 a day than those under \$1 a day.

Most low-income countries have made some attempt to ensure that poor households have access to primary schools and basic health centers. For example, most Indian villages now have a school within a kilometer, and a health subcenter exists for every 10,000 people. However, the quality of the facilities that serve the poor tends to be low, even when they are available, and it is not clear how much they actually deliver. Chaudhury, Hammer, Kremer, Muralidharan, and Rogers (2005) report results on surveys they conducted to measure the absence of teachers and health workers in Bangladesh, Ecuador, India, Indonesia, Peru, and Uganda. They found that the average absence rate among teachers is 19 percent and the

average absence rate among health workers is 35 percent. Moreover, because not all teachers and health workers are actually working when at their post, even this picture may be too favorable. Moreover, absence rates are generally higher in poor regions.

In an innovative study on health care quality, Das and Hammer (2004) collected data on the competence of doctors in Delhi, India, based on the kinds of questions they ask and the action they say they would take faced with a hypothetical patient, suffering from conditions they are likely to encounter in their practice. Every Delhi neighborhood, poor or rich, lives within 15 minutes of at least 70 health providers. However, the gap in competence of the average health practitioner between the poorest and richest neighborhoods is almost as large as the gap between the competence of a health provider with an MBBS degree (the equivalent of an MD in the United States) and a provider without such a qualification. In fact, an expert panel found that the treatments suggested by the average provider in their sample are slightly more likely to do harm rather than good, due to a combination of misdiagnosis and overmedication.

These differences in health care and basic sanitation infrastructure can affect mortality. Several surveys ask women about their pregnancies and the outcomes, including whether the child is still alive. We compute an infant mortality measure as the number of children who died before the age of one divided by the number of live births. The numbers are startling, especially because they are likely to be underestimates (not all children are remembered, especially if they died very early). Among the rural, extremely poor, the lowest infant mortality that we observe is 3.4 percent in Indonesia. At the high end, infant mortality among the extremely poor is 8.7 percent in South Africa and Tanzania, 10 percent in Udaipur, and 16.7 percent in Pakistan. The rates are lower, but not much lower, in urban areas. The rates also remain high if the definition of poverty is expanded to include those who live under \$2 a day. Wagstaff (2003) uses data from the demographic and health surveys to estimate prevalence of malnutrition and child mortality among those living under \$1 a day in a number of countries. He finds very large difference between survival chances of poor children in different countries, and shows that they are correlated with health spending per capita in these countries.

The low quality of teaching in public schools has clear effect on learning levels as well. In India, despite the fact that 93.4 percent of children ages 6–14 are enrolled in schools (75 percent of them in government schools), a recent nationwide survey found that 34.9 percent of the children age 7 to 14 cannot read a simple paragraph at second-grade level (Pratham, 2006). Moreover, 41.1 percent cannot do subtraction, and 65.5 percent cannot do division. Even among children in grades six to eight in government schools, 22 percent cannot read a second-grade text.

In countries where the public provision of education and health services is particularly low, private providers have stepped in. In the parts of India where public school teacher absenteeism is the highest, the fraction of rural children attending private schools is also the highest (Chaudhury, Hammer, Kremer,

Muralidharan, and Rogers, 2005). However, these private schools are less than ideal: they have lower teacher absenteeism than the public schools in the same village, but their teachers are significantly less qualified in the sense of having a formal teaching degree.

A similar but more extreme pattern arises in health care. Again, private providers who serve the poor are less likely to be absent and more likely to examine the patient with some care than their public counterparts, but they tend to be less well qualified (for example, Das and Hammer, 2004). However, unlike in education, where most poor children are still in the public system, even in countries and regions where public education is of extremely poor quality, where the public health care system has high levels of absence, most people actually go to private providers. For example, in India, where absence of health care providers is 40 percent, 58 percent of the extremely poor households have visited a private health care provider in the last month. By contrast in Peru, where the absentee rate for health care providers is fairly low at 25 percent (Chaudhury, Hammer, Kremer, Muralidharan, and Rogers, 2005), only 9 percent of the rural extremely poor households have been to a private health provider in the last month. Within the Udaipur District, Banerjee, Deaton, and Duflo (2004) also found that the rate of usage of the public health facility is strongly correlated with the absence rate at the public health facilities in the areas.

## Understanding the Economic Lives of the Poor

Many facts about the lives of the poor start to make much more sense once we recognize that they have very limited access to efficient markets and quality infrastructure. The fact that the poor usually cultivate the land they own, no more and no less, for example, probably owes a lot to the agency problems associated with renting out land. In part, it must also reflect the fact that the poor, who typically own too little land relative to the amount of family labor, suffer from lack of access to credit. This pattern is reinforced by the difficulties that the poor face in getting any kind of insurance against the many risks with which a farmer needs to deal: A second job outside agriculture offers security against some of that risk.

### Why So Little Specialization?

Risk-spreading is clearly one reason why the poor, who might find risk especially hard to bear, tend not to be too specialized in any one occupation. They work part time outside agriculture to reduce their exposure to farming risk, and keep a foot in agriculture to avoid being too dependent on their nonagricultural jobs.

Another reason for a second job is to occupy what would otherwise be wasted time. When we asked the *dosa*-sellers of Guntur why they did so many other things as well, they all said: “[We] can sell *dosas* in the morning. What do we do for the rest of the day?” Similarly, farmers who do not have irrigated land can only farm when

the land is not too dry. Finding some work outside agriculture is a way for them to make productive use of their time when the land is unusable. However, this argument is incomplete. We also need to explain what made the women opt to sell *dosas*: After all they could have skipped the *dosas* and specialized in whatever they were doing for the rest of the day. Risk spreading remains a possible answer, but many of them seem to be in relatively safe occupations. Given the fact that almost everyone owns the cooking implement that one needs to make a *dosa* and entry is free, it does not seem that *dosa*-making is an extraordinarily profitable activity.

A final, more compelling reason for multiple jobs is that the poor cannot raise the capital they would need to run a business that would occupy them fully. As we saw, most businesses operate with very little assets and little working capital. Likewise, some poor farmers might be able to irrigate their lands and make them useable for a larger part of the year, but they lack the necessary access to funds. Of course, in agriculture, some downtime will always remain, justifying some amount of diversification of jobs. But such downtime would be much more limited than what the data actually reveals.

### **Why So Many Entrepreneurs?**

Once we draw this link between the tendency of the poor to be in multiple occupations and their access to financial markets, it is clear why so many of the poor are entrepreneurs. If you have few skills and little capital, and especially if you are a woman, being an entrepreneur is often easier than finding an employer with a job to offer. You buy some fruits and vegetables or some plastic toys at the wholesalers and start selling them on the street; you make some extra *dosa* mix and sell the *dosas* in front of your house; you collect cow dung and dry it to sell it as a fuel; you attend to one cow and collect the milk. These types of activities are exactly those in which the poor are involved.

It is important not to romanticize these penniless entrepreneurs. Given that they have no money, borrowing is risky, and no one wants to lend to them, the businesses they run are inevitably extremely small, to the point where there are clearly unrealized economies of scale. Moreover, given that so many of these firms have more family labor available to them than they can use, they do very little to create jobs for others. Of course, this pattern makes it harder for anyone to find a job and hence reinforces the proliferation of petty entrepreneurs.

### **Why Don't the Poor Eat More?**

Another puzzle is why the poor do not spend more on food both on average and especially out of the marginal dollar. Eating more and eating better (more grains and iron-rich foods, less sugar) would help them build their body-mass indices to healthier levels.

One possibility is that eating more would not help them that much, or not for long, because they would become weak again at the first attack of disease, which will invariably occur. For example, Deaton, Cutler, and Lleras-Muney (2006) argue that

nutrition is at best a very small part of what explains the tremendous gains in health around the world in the past few decades. However, some improvements in nutrition (reduction of anemia in particular) have been linked to increased productivity (Thomas et al., 2004). Moreover, as we saw, not having enough to eat does, at a minimum, make the poor extremely unhappy.

Provided that eating more would increase their productivity, it is unlikely that the low levels of good consumption can be explained by a simple lack of self control (that is, the poor cannot resist temptations to spend on things other than food). As we noted above, the poor also spend surprisingly large amounts on entertainment: televisions, weddings, or festivals. All of these involve spending a large amount at one time, which implies some saving unless they happen to be especially credit-worthy. In other words, many poor people save money that they could have eaten today to spend more on entertainment in the future, which does not immediately fit the idea that they lack self-control.

The need to spend more on entertainment rather than on food appears to be a strongly felt need, not a result of inadequate planning. One reason this might be the case is that the poor want to keep up with their neighbors. Fafchamps and Shilpi (2006) offer evidence from Nepal in which people were asked to assess whether their level of income as well as their levels of consumption of housing, food, clothing, health care, and schooling were adequate. The answers to these questions were strongly negatively related to the average consumption of the other people living in the same village.

### **Why Don't the Poor Invest More in Education?**

The children of the poor are, by and large, going to primary school. However, parents are not reacting to the low quality of these schools, either by sending their children to better and more expensive schools or by putting pressure on the government to do something about quality in government schools. Why not?

One reason is that poor parents, who may often be illiterate themselves, may have a hard time recognizing that their children are not learning much. Poor parents in Eastern Uttar Pradesh in India have limited success in predicting whether their school-age children can read (Banerjee et al., 2006). Moreover, how can parents be confident that a private school would offer a better education, given that the teacher there is usually less qualified than the public school teachers? After all, researchers have only discovered this pattern in the last few years. As for putting pressure on the government, it is not clear that the average villager would know how to organize and do so.

### **Why Don't the Poor Save More?**

The arguments based on lack of access to credit and insurance or labor market rigidities, by themselves, do not help very much in understanding why the poor are not more interested in accumulating wealth. After all, the poor could easily save more without getting less nutrition, by spending less on alcohol, tobacco, festivals, and food items such as sugar, spice, and tea.

It is true that the poor typically have no bank accounts or other financial assets with which to save, but many of them have their own businesses, and these tend to be chronically underfunded. So why not save up to buy a new machine, or increase the stock in the shop? Moreover, as we saw above, a very substantial fraction of the poor have debt, and the interest rate on the debt often exceeds 3 percent per month. Paying down debt is therefore a very attractive way to save. Even if you have no business to grow, and have no debt to repay, just holding some extra stocks for the proverbial rainy day (or “the drought”) can save both worry and the misery of watching your children go hungry. In other words, precautionary motives for saving should be especially strong for the poor.

Part of the answer is probably that saving at home is hard. The money may be stolen (especially if you live in a house that cannot be locked) or grabbed by your spouse or your son. Also, if you have money at hand, you are constantly resisting temptation to spend: to buy something, to help someone to whom you find it difficult to say “no,” to give your child a treat. Such temptations may be especially hard for the poor, because many of the temptations they are resisting are things that everyone else might take for granted.

The poor seem aware of their vulnerability to temptation. In the Hyderabad survey, the respondents were asked to name whether they would like to cut particular expenses, and 28 percent of the poor named at least one item. The top item that households would like to cut is alcohol and tobacco (mentioned by 44 percent of the households that want to cut on items). Then came sugar, tea, and snacks (9 percent), festivals (7 percent), and entertainment (7 percent).

Self-knowledge does not help in addressing self-control problems; in fact, self-knowledge about a lack of self-control means that you know your saving will probably just end up feeding some future indefensible craving, and the machine for which you are trying to save will never actually be bought. Being naïve might actually help—you might be lucky and save enough to buy the machine before the temptation gets to you.

### **Beyond Market Failures and Self-control Problems**

An interesting example that spans many of the arguments we have used above is a study by Duflo, Kremer, and Robinson (2006) on investment in fertilizer in Kenya. According to surveys conducted over several years, just 40.3 percent of farmers had ever used fertilizer, and just 25 percent used fertilizer in any given year. Conservative estimates suggest that the average return to using fertilizer exceeds 100 percent, and the median return is above 75 percent. Duflo, Kremer, and Robinson conducted field trials of fertilizer on the farms of actual randomly selected farmers, which were meant to teach the farmers how to use fertilizer and the rewards of doing so. They found that the farmers who participated in the study are 10 percent more likely on average to use fertilizer in the very next season after the study, but only 10 percent more likely—and the effects fade after the first season.

When farmers were asked why they did not use fertilizer, most farmers replied that they did not have enough money. However, fertilizer can be purchased (and used) in small quantities, so this investment opportunity seems accessible to farmers with even a small level of saving. The main issue, once again, appears to be that farmers find it difficult to save even small sums of money. The program in Kenya offered to sell farmers a voucher right after the harvest, which is when farmers have money in hand, which would entitle them to buy fertilizer later.

This program had a large effect: 39 percent of the farmers offered the voucher bought the fertilizer; the effects are as large as a 50 percent subsidy on the cost of fertilizer. The voucher seemed to work as a commitment device to encourage saving. But a puzzle remains: farmers could have bought the fertilizer in advance on their own. Indeed, a huge majority of the farmers who bought the vouchers for future delivery of fertilizer requested immediate delivery, and then stored the fertilizer for later use. Moreover, almost all of them used the fertilizer they bought. They apparently had no self-control problems in keeping the fertilizer, even though they could easily exchange the fertilizer for something more immediately consumable.

### **Why Don't the Poor Migrate for Longer?**

A final puzzle is why the poor do not migrate for longer periods, given that they could easily earn much more by doing so. Munshi and Rosenzweig (2005) argue that the lack of long-term migration reflects the value of remaining close to one's social network in a setting where the social network might be the only source of (informal) insurance available to people. Those who migrate for short periods of up to a few months leave their entire family, who presumably can maintain their social links, behind. However, the ultimate reason seems to be that making more money is not a huge priority, or at least not a large enough priority to experience several months of living alone and often sleeping on the ground in or around the work premises.

In some ways this puzzle resembles the question of why the Kenyan farmers do not buy fertilizer right after the harvest even though they are happy to buy (and use it) if someone made the (small) effort to bring it to their farm. In both cases, one senses a reluctance of poor people to commit themselves psychologically to a project of making more money. Perhaps at some level this avoidance is emotionally wise: thinking about the economic problems of life must make it harder to avoid confronting the sheer inadequacy of the standard of living faced by the extremely poor.

■ *We thank Andrei Shleifer for motivating us to undertake this exercise. We thank him and the editors of this journal for detailed suggestions on the previous draft of this paper. We thank Danielle Li, Marc Shottland, and Stefanie Stancheva for spectacular assistance in assembling the data, and Kudzai Takavarasha for carefully editing a previous draft. Special thanks to Angus Deaton for extremely useful advice and guidance and extensive comments on the previous draft and to Gary Becker for helpful comments.*

## References

- Aleem, Irfan.** 1990. "Imperfect Information, Screening and the Costs of Informal Lending: A Study of a Rural Credit Market in Pakistan." *World Bank Economic Review*, 4(3): 329–49.
- Ashraf, Nava, Dean Karlan, and Wesley Yin.** Forthcoming. "Tying Odysseus to the Mast: Evidence from a Commitment Savings Product in the Philippines." *Quarterly Journal of Economics*.
- Audretsh, David.** *The Entrepreneurial Society*. Oxford: Oxford University Press, Inc., 2005.
- Banerjee, Abhijit, Angus Deaton, and Esther Duflo.** 2004. "Wealth, Health, and Health Services in Rural Rajasthan." *American Economic Review*, 94(2): 326–30.
- Banerjee, Abhijit, and Esther Duflo.** 2005. "Growth Theory through the Lens of Development Economics," Handbook of Economic Growth, Volume 1A, ed. Steve Durlauf and Philippe Aghion, 473–552. Amsterdam: Elsevier Science.
- Banerjee, Abhijit, Esther Duflo, and Rachel Glennerster.** 2006. "A Snapshot of Micro Enterprises in Hyderabad." Unpublished paper, MIT.
- Banerjee, Abhijit, Paul Gertler, and Maitreesh Ghatak.** 2002. "Empowerment and Efficiency: Tenancy Reform in West Bengal." *Journal of Political Economy*, 110(2): 239–80.
- Banerjee, Abhijit, and Rohini Somanathan.** 2005. "The Political Economy of Public Goods: Some Evidence from India." [http://econ-www.mit.edu/faculty/download\\_pdf.php?id=1144](http://econ-www.mit.edu/faculty/download_pdf.php?id=1144).
- Banerjee, Abhijit, Rukmini Banerji, Esther Duflo, Rachel Glennerster, Daniel Keniston, Stuti Khemani, and Marc Shotland.** 2006. "Can Information Campaigns Raise Awareness and Local Participation in Primary Education? A Study of Jaipur District in Uttar Pradesh." [http://econ-www.mit.edu/faculty/download\\_pdf.php?id=1425](http://econ-www.mit.edu/faculty/download_pdf.php?id=1425).
- Banerjee, Nirmala.** 2006. "A Survey of Occupations and Livelihoods of Households in West Bengal." Sachetana. Unpublished paper.
- Case, Anne, and Deaton, Angus.** 2005. "Health and Wealth among the Poor: India and South Africa Compared." *American Economic Review Papers and Proceedings*, 95(2): 229–33.
- Chaudhury, Nazmul, Jeffrey Hammer, Michael Kremer, Karthik Muralidharan, and F. Halsey Rogers.** 2005. "Teacher Absence in India: A Snapshot." *Journal of the European Economic Association*, April–May 3(2–3): 658–67.
- Das, Jishnu, and Jeffrey Hammer.** 2004. "Strained Mercy: The Quality of Medical Care in Delhi." *Economic and Political Weekly*, (February 28), 39(9): 951–65.
- Dasgupta, A.** 1989. *Reports on Credit Markets in India: Summary. Technical Report*. New Delhi: National Institute of Public Finance and Policy.
- Dasgupta, Partha, and Debraj Ray.** 1986. "Inequality as a Determinant of Malnutrition and Unemployment: Policy." *Economic Journal*, 96(384): 1011–1034.
- Deaton, Angus.** 1997. *The Analysis of Household Surveys: A Microeconomic Approach to Development Policy*. Baltimore: Johns Hopkins University Press for the World Bank.
- Deaton, Angus.** 2004. "Measuring poverty." In *Understanding Poverty*, ed. Abhijit Banerjee, Roland Benabou, and Dilip Mookherjee. Oxford University Press.
- Deaton, Angus.** 2006. "Purchasing Power Parity Exchange Rates for the poor: Using Household Surveys to Construct PPPs." [http://www.princeton.edu/~rjds/downloads/Deaton\\_PPPP\\_version\\_aug\\_06.pdf](http://www.princeton.edu/~rjds/downloads/Deaton_PPPP_version_aug_06.pdf)
- Deaton, Angus, and Shankar Subramanian.** 1996. "The Demand for Food and Calories." *Journal of Political Economy*, 104(1): 133–62.
- Deaton, Angus, David Cutler, and Adriana Lleras-Muney.** 2006. "The Determinants of Mortality." *Journal of Economic Perspectives*, Summer, 20(3):97–120.
- Duflo, Esther, Michael Kremer, and Jonathan Robinson.** 2006. "Why Don't Farmers use Fertilizer: Evidence from Field Experiments." Unpublished paper, MIT.
- Fafchamps, Marcel, and Susan Lund.** 2003. "Risk-Sharing Networks in Rural Philippines." *Journal of Development Economics*, 71(2): 261–87.
- Fafchamps, Marcel, and Flore Gubert.** 2005. "The Formation of Risk Sharing Networks." DIAL (Développement, Institutions & Analyses de Long terme) Working Papers DT/2005/13.
- Fafchamps, Marcel, and Forhad Shilpi.** 2006. "Subjective Welfare, Isolation, and Relative Consumption." <http://www.economics.ox.ac.uk/members/marcel.fafchamps/homepage/nepwel.pdf>.
- Field, Erica.** 2006. "Entitled to Work: Urban Property Rights and the Labor Supply in Peru", [http://www.economics.harvard.edu/faculty/field/papers/Field\\_COFOPOP.pdf](http://www.economics.harvard.edu/faculty/field/papers/Field_COFOPOP.pdf).
- Filmer, Deon, and Lant Pritchett.** 2001. "Estimating Wealth Effects without Expenditure Data—or Tears: An Application to Educational Enrollments in States of India." *Demography*, 38(1): 115–32.

- Gertler, Paul, and Jonathan Gruber.** 2002. "Insuring Consumption against Illness." *American Economic Review*, 92(1): 50–70.
- Goldstein, Markus, and Christopher Udry.** 2005. "The Profits of Power: Land Rights and Agricultural Investment in Ghana." (Yale University) Economic Growth Center Working Papers 929.
- Jacoby, Hanan G., and Emmanuel Skoufias.** 1997. "Risk, Financial Markets, and Human Capital in a Developing Country." *Review of Economic Studies*, 64(3): 311–35.
- Jha, Raghavendra.** 2004. "Calories Deficiency in Rural India in the Last Three Quinquennial Rounds of the NSS." <http://eprints.anu.edu.au/archive/00001701/>.
- Meenakshi, J.V., and Brinda Vishwanathan.** 2003. "Calorie Deprivation in Rural India, 1983–1999/2000." *Economic and Political Weekly*, January 25, pp 369–75.
- Morduch, Jonathan.** 1995 "Income Smoothing and Consumption Smoothing." *Journal of Economic Perspectives*, 9(3):103–114.
- Morduch, Jonathan.** (2006). "Micro-Insurance: The Next Revolution?" In *What Have We Learned About Poverty?*, ed. Abhijit Banerjee, Roland Benabou, and Dilip Mookherjee. Oxford University Press.
- Munshi, K. and M. Rosenzweig.** 2005. "Why is Social Mobility in India so Low? Social Insurance, Inequality, and Growth." BREAD [Bureau for Research and Economic Analysis of Development] Working Paper 097.
- Pratham.** 2006. *Annual Status of Education Report, 2006*. Mumbai: PRATHAM.
- Ravallion, Martin.** 2004. "Pessimistic on Poverty?" *The Economist*, April 7, 2004.
- Rose, Elaina.** 1999. "Consumption Smoothing and Excess Female Mortality in Rural India," *Review of Economics and Statistics*, 81(1): 41–49.
- Rubalcava, L., and Teruel, G.** 2004 "The Mexican Family Life Survey Project (MxFLS): Study Design and Baseline Results." CIDE & UIA working paper.
- Rutherford, Stuart.** 2000. *The Poor and Their Money*. New Dehli: Oxford University Press.
- Sala-i-Martin, Xavier.** 2004. "More or Less Equal." *The Economist*, March 11, 2004.
- Shaban, Radwan.** 1987. "Testing between Competing Models of Sharecropping." *Journal of Political Economy*, 95(5): 893–920.
- De Soto, Hernando.** 2003. *The Mystery of Capital: Why Capitalism Triumphs in the West and Fails Everywhere Else*. Basic Books.
- Thomas, D., and J. Strauss.** 1997. "Health and Wages: Evidence on Men and Women in Urban Brazil." *Journal of Econometrics*, 77(1):159–85.
- Thomas, Duncan, et al.** 2004. "Causal Effect of Health on Labor Market Outcomes: Evidence from a Random Assignment Iron Supplementation Intervention," Mimeo, UCLA, [http://www.ccpr.ucla.edu/ccprwseries/ccpr\\_022\\_04](http://www.ccpr.ucla.edu/ccprwseries/ccpr_022_04).
- Townsend, Robert.** 1995. "Financial Systems in Northern Thai Villages." *Quarterly Journal of Economics*, 110(4): 1011–1046.
- Udry, Christopher.** 1990. "Credit Markets in Northern Nigeria: Credit as Insurance in a Rural Economy." *World Bank Economic Review*, 4(3): 251–69.
- Wagstaff, Adam.** 2003. "Child Health on One Dollar a Day." *Social Science & Medicine*, 57(9): 1529–38.
- World Health Organization Expert Consultation.** 2004. "Appropriate Body-Mass Index for Asian Populations and Its Implications for Policy and Intervention Strategies." *Lancet*, 363(9403): 157–63.

**This article has been cited by:**

1. Stephen Snow, Dhaval Vyas, Margot Brereton. 2017. Sharing, Saving, and Living Well on Less: Supporting Social Connectedness to Mitigate Financial Hardship. *International Journal of Human-Computer Interaction* 33:5, 345-356. [[CrossRef](#)]
2. Lore Vandewalle. 2017. The Role of Accountants in Indian Self-Help Groups: A Trade-off between Financial and Non-Financial Benefits. *World Development* 93, 177-192. [[CrossRef](#)]
3. Thanti Mthanti, Kalu Ojah. 2017. Entrepreneurial orientation (EO): Measurement and policy implications of entrepreneurship at the macroeconomic level. *Research Policy* 46:4, 724-739. [[CrossRef](#)]
4. Andreas Chai. 2017. Tackling Keynes' question: a look back on 15 years of Learning To Consume. *Journal of Evolutionary Economics* 27:2, 251-271. [[CrossRef](#)]
5. Jaya Jumrani, P. S. Birthal. 2017. Does consumption of tobacco and alcohol affect household food security? Evidence from rural India. *Food Security* 65. . [[CrossRef](#)]
6. Sandra C. Matz, Joe J. Gladstone, David Stillwell. 2017. In a World of Big Data, Small Effects Can Still Matter. *Psychological Science* 095679761769744. [[CrossRef](#)]
7. Amelia U. Santos-Paulino. 2017. Estimating the impact of trade specialization and trade policy on poverty in developing countries. *The Journal of International Trade & Economic Development* 62, 1-19. [[CrossRef](#)]
8. Jan Priebe. 2017. Disability and Its Correlates in a Developing Country Context: Evidence from Multiple Datasets and Measures. *The Journal of Development Studies* 41, 1-25. [[CrossRef](#)]
9. Renuka Mahadevan, Hidayat Amir, Anda Nugroho. 2017. How Pro-Poor and Income Equitable Are Tourism Taxation Policies in a Developing Country? Evidence from a Computable General Equilibrium Model. *Journal of Travel Research* 56:3, 334-346. [[CrossRef](#)]
10. Arvind Kumar, Anupama Vohra, Hamendra Kumar Dangi. 2017. Consumer decision-making styles and post purchase behaviour of poor for Fast Moving Consumer Goods. *International Journal of Consumer Studies* 41:2, 121-137. [[CrossRef](#)]
11. William Parienté. 2017. URBANIZATION IN SUB-SAHARAN AFRICA AND THE CHALLENGE OF ACCESS TO BASIC SERVICES. *Journal of Demographic Economics* 83:01, 31-39. [[CrossRef](#)]
12. Michael O. Harhay, Mary C. Smith Fawzi, Sacha Jeanneret, Damascène Ndayisaba, William Kibaalya, Emily A. Harrison, Dylan S. Small. 2017. An assessment of the Francois-Xavier Bagnoud poverty alleviation program in Rwanda and Uganda. *International Journal of Public Health* 62:2, 241-252. [[CrossRef](#)]
13. Camelia M. Kuhnen, Andrei C. Miu. 2017. Socioeconomic status and learning from financial information. *Journal of Financial Economics* . [[CrossRef](#)]
14. Rachid Laajaj. 2017. Endogenous Time Horizon and Behavioral Poverty Trap: Theory and Evidence from Mozambique. *Journal of Development Economics* . [[CrossRef](#)]
15. M. Rivera-Santos, C. Rufin, U. Wassmer. 2017. Alliances between Firms and Non-profits: A Multiple and Behavioural Agency Approach. *Journal of Management Studies* 33. . [[CrossRef](#)]
16. Alex Ezeh, Oyinlola Oyebode, David Satterthwaite, Yen-Fu Chen, Robert Ndugwa, Jo Sartori, Blessing Mberu, G J Melendez-Torres, Tilahun Haregu, Samuel I Watson, Waleska Caiaffa, Anthony Capon, Richard J Lilford. 2017. The history, geography, and sociology of slums and the health problems of people who live in slums. *The Lancet* 389:10068, 547-558. [[CrossRef](#)]
17. Dean Jolliffe, Umar Serajuddin. 2017. Noncomparable Poverty Comparisons. *The Journal of Development Studies* 1-14. [[CrossRef](#)]

18. Anna Wolff, Johannes Schubert, Bernhard GillRisiko energetische Sanierung? 611-634. [[CrossRef](#)]
19. Mohamed Arouri, Adel Ben Youssef, Cuong Nguyen. 2017. Does urbanization reduce rural poverty? Evidence from Vietnam. *Economic Modelling* **60**, 253-270. [[CrossRef](#)]
20. Sarah Praceus, Cornelius HerstattConsumer Innovation in the Poor Versus Rich World: Some Differences and Similarities 97-117. [[CrossRef](#)]
21. Aditi Ramdorai, Cornelius HerstattLessons from Low-Cost Healthcare Innovations for the Base-of the Pyramid Markets: How Incumbents Can Systematically Create Disruptive Innovations 119-144. [[CrossRef](#)]
22. Subhabrata Bobby Banerjee, Laurel Jackson. 2017. Microfinance and the business of poverty reduction: Critical perspectives from rural Bangladesh. *Human Relations* **70**:1, 63-91. [[CrossRef](#)]
23. Marc J. Epstein, Kristi Yuthas. 2017. Cash Flow Training and Improved Microfinance Outcomes. *Journal of International Development* **29**:1, 106-116. [[CrossRef](#)]
24. References 353-378. [[CrossRef](#)]
25. Simon Lange, Sebastian Vollmer. 2017. The effect of economic development on population health: a review of the empirical evidence. *British Medical Bulletin* **121**:1, 47-60. [[CrossRef](#)]
26. Frédéric Kosmowski, Richard LalouThe Association of Monetary, Multidimensional and Traditional Poverty with Climate Change Adaptive Capacities in Northern Benin 727-746. [[CrossRef](#)]
27. Hassan Arouri, Adel Ben Youssef, Francesco Quatraro. 2016. Entry, exit and net job creation in Tunisia: an exploratory analysis. *Eurasian Business Review* **6**:3, 323-337. [[CrossRef](#)]
28. Căzilia Loibl, Anastasia Snyder, Travis Mountain. 2016. Connecting Saving and Food Security: Evidence from an Asset-Building Program for Families in Poverty. *Journal of Consumer Affairs* . [[CrossRef](#)]
29. Clara Pons-Duran, Raquel González, Llorenç Quintó, Khatia Munguambe, Joan Tallada, Denise Nanche, Charfudin Saco, Elisa Sicuri. 2016. Association between HIV infection and socio-economic status: evidence from a semirural area of southern Mozambique. *Tropical Medicine & International Health* **21**:12, 1513-1521. [[CrossRef](#)]
30. Rajalaxmi Kamath, Smita Ramanathan. 2016. Poverty knowledge and action research: Lessons from the Ramanagaram Financial Diaries. *Action Research* **14**:4, 435-450. [[CrossRef](#)]
31. Lucie Cluver, Franziska Meinck, Yulia Shenderovich, Catherine L. Ward, Rocio Herrero Romero, Alice Redfern, Carl Lombard, Jenny Doubt, Janina Steinert, Ricardo Catanho, Camille Wittesaele, Sachin De Stone, Nasteha Salah, Phelisa Mpimpilashe, Jamie Lachman, Heidi Loening, Frances Gardner, Daphnee Blanc, Mzuvekile Nocuza, Meryn Lechowicz. 2016. A parenting programme to prevent abuse of adolescents in South Africa: study protocol for a randomised controlled trial. *Trials* **17**:1. . [[CrossRef](#)]
32. Bimal Kishore Sahoo, Bhaskar Jyoti Neog. 2016. Heterogeneity and participation in informal employment among non-cultivator workers in India. *International Review of Applied Economics* 1-31. [[CrossRef](#)]
33. Juliane Zenker, Andreas Wagener, Sebastian Vollmer. 2016. Better knowledge need not affect behavior: a randomized evaluation of the demand for lottery tickets in rural Thailand. *The World Bank Economic Review* lhw060. [[CrossRef](#)]
34. Adam Smith, William Judge, Amir Pezeshkan, Anil Nair. 2016. Institutionalizing entrepreneurial expertise in subsistence economies. *Journal of World Business* **51**:6, 910-922. [[CrossRef](#)]
35. Harald Strotmann, Jürgen Volkert. 2016. Multidimensional Poverty Index and Happiness. *Journal of Happiness Studies* . [[CrossRef](#)]
36. Juan Carlos Córdoba, Marla Ripoll. 2016. Risk Aversion and the Value of Life. *The Review of Economic Studies* rdw053. [[CrossRef](#)]

37. Marc Labie, Carolina Laureti, Ariane Szafarz. 2016. Discipline and flexibility: a behavioural perspective on microfinance product design. *Oxford Development Studies* 1-17. [[CrossRef](#)]
38. Taryn Dinkelman, Martine Mariotti. 2016. The Long-Run Effects of Labor Migration on Human Capital Formation in Communities of Origin. *American Economic Journal: Applied Economics* 8:4, 1-35. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
39. Amanpreet Singh, Lalit Mohan Kathuria. 2016. Understanding drivers of branded food choice among low-income consumers. *Food Quality and Preference* 52, 52-61. [[CrossRef](#)]
40. Robert J. Walker. 2016. Population Growth and its Implications for Global Security. *American Journal of Economics and Sociology* 75:4, 980-1004. [[CrossRef](#)]
41. Anders Fredriksson. 2016. Location-allocation of public services – Citizen access, transparency and measurement. A method and evidence from Brazil and Sweden. *Socio-Economic Planning Sciences* . [[CrossRef](#)]
42. Ziade Hailu, Gerrit Rooks. 2016. Property rights and owner occupied housing investment in urban Ethiopia. *Property Management* 34:4, 345-357. [[CrossRef](#)]
43. Nathalie Picarelli. 2016. Who really benefits from export processing zones? Evidence from Nicaraguan municipalities. *Labour Economics* 41, 318-332. [[CrossRef](#)]
44. Jonathan Kimmitt, Mariarosa Scarlata, Dimo Dimov. 2016. An empirical investigation of the interplay between microcredit, institutional context, and entrepreneurial capabilities. *Venture Capital* 18:3, 257-276. [[CrossRef](#)]
45. Helen Susannah Moat, Christopher Y. Olivola, Nick Chater, Tobias Preis. 2016. Searching Choices: Quantifying Decision-Making Processes Using Search Engine Data. *Topics in Cognitive Science* 8:3, 685-696. [[CrossRef](#)]
46. Olivia S. Mitchell, Anita Mukherjee. 2016. Assessing the demand for micropensions among India's poor. *The Journal of the Economics of Ageing* . [[CrossRef](#)]
47. Martin Ravallion. 2016. Toward better global poverty measures. *The Journal of Economic Inequality* 14:2, 227-248. [[CrossRef](#)]
48. Dagne MOJO, Christian FISCHER, Terefe DEGEFA. 2016. COLLECTIVE ACTION AND ASPIRATIONS: THE IMPACT OF COOPERATIVES ON ETHIOPIAN COFFEE FARMERS' ASPIRATIONS. *Annals of Public and Cooperative Economics* 87:2, 217-238. [[CrossRef](#)]
49. Gary A. Hoover, Erik O. Kimbrough. 2016. An Experimental Study of the Impact of Social Comparison on Investment\*. *Social Science Quarterly* 97:2, 350-361. [[CrossRef](#)]
50. Falyath Babah Daouda, Paul T.M. Ingenbleek, Hans C.M. van Trijp. 2016. Step-Change: Micro-Entrepreneurs' Entry into the Middle-Class Market. *Journal of African Business* 17:2, 129-147. [[CrossRef](#)]
51. Goodluck Charles, Neema Mori. 2016. Effects Of Collateral On Loan Repayment: Evidence From An Informal Lending Institution. *Journal of African Business* 17:2, 254-272. [[CrossRef](#)]
52. Jörg Peters, Annkathrin Schoofs, Maximiliane Sievert. 2016. Preferences over Bank and Family Loans in Rural Rwanda. *Journal of International Development* 28:4, 623-630. [[CrossRef](#)]
53. Leandro S. Carvalho, Silvia Prina, Justin Sydnor. 2016. The effect of saving on risk attitudes and intertemporal choices. *Journal of Development Economics* 120, 41-52. [[CrossRef](#)]
54. Long Thanh Giang, Cuong Viet Nguyen, Tuyen Quang Tran. 2016. Firm agglomeration and local poverty reduction: evidence from an economy in transition. *Asian-Pacific Economic Literature* 30:1, 80-98. [[CrossRef](#)]
55. Hemalatha Venkataraman, Patrick Vermeulen, Aafke Raaijmakers, Johanna Mair. 2016. Market Meets Community: Institutional Logics as Strategic Resources for Development Work. *Organization Studies* 37:5, 709-733. [[CrossRef](#)]

56. Ahmed A. Arif, Purva Korgaonkar. 2016. The association of childhood asthma with mental health and developmental comorbidities in low-income families. *Journal of Asthma* 53:3, 277-281. [[CrossRef](#)]
57. Thomas Buser, Hessel Oosterbeek, Erik Plug, Juan Ponce, José Rosero. 2016. The Impact of Positive and Negative Income Changes on the Height and Weight of Young Children. *The World Bank Economic Review* lhw004. [[CrossRef](#)]
58. Minna Halme, Arno Kourula, Sara Lindeman, Galina Kallio, Maria Lima-Toivanen, Angelina Korsunova. 2016. Sustainability Innovation at the Base of the Pyramid through Multi-Sited Rapid Ethnography. *Corporate Social Responsibility and Environmental Management* 23:2, 113-128. [[CrossRef](#)]
59. Lionel Kesztenbaum, Jean-Laurent Rosenthal. 2016. Sewers' diffusion and the decline of mortality: The case of Paris, 1880–1914. *Journal of Urban Economics* . [[CrossRef](#)]
60. Margherita Scarlato, Giorgio d'Agostino, Francesca Capparucci. 2016. Evaluating CCTs from a Gender Perspective: The Impact of Chile Solidario on Women's Employment Prospect. *Journal of International Development* 28:2, 177-197. [[CrossRef](#)]
61. George Lafferty. 2016. Possibilities beyond crisis: Neoliberal globalization and the reconstruction of moralityCohenDaniel, Homo Economicus: The (Lost) Prophet of Modern Times, Polity Press: Malden, MA, 2014; 155 pp.: ISBN 9780745680125, US\$25.00 (hbk)TouraineAlain, After the Crisis, Polity Press: Malden, MA, 2014; 173 pp.: ISBN 9780745653846, US\$64.95 (hbk), 9780745653853, US\$19.95 (pbk). *International Sociology* 31:2, 138-148. [[CrossRef](#)]
62. Abhijit V. Banerjee. 2016. Policies for a better-fed world. *Review of World Economics* 152:1, 3-17. [[CrossRef](#)]
63. Edward B. Barbier, Ramón E. López, Jacob P. Hochard. 2016. Debt, Poverty and Resource Management in a Rural Smallholder Economy. *Environmental and Resource Economics* 63:2, 411-427. [[CrossRef](#)]
64. Christine Husmann. 2016. Marginality as a Root Cause of Poverty: Identifying Marginality Hotspots in Ethiopia. *World Development* 78, 420-435. [[CrossRef](#)]
65. Caio Piza, Mauricio José Serpa Barros de Moura. 2016. The effect of a land titling programme on households' access to credit. *Journal of Development Effectiveness* 8:1, 129-155. [[CrossRef](#)]
66. Climent Quintana-Domeque, Francesco Turino. 2016. Relative Concerns on Visible Consumption: A Source of Economic Distortions. *The B.E. Journal of Theoretical Economics* 16:1. . [[CrossRef](#)]
67. Xudong Fan, Yuduo LuBusiness Model Innovation of Enterprises Based on the Bottom of Pyramid (BoP) Market Strategy 457-463. [[CrossRef](#)]
68. Diego Ubfal. 2016. How general are time preferences? Eliciting good-specific discount rates. *Journal of Development Economics* 118, 150-170. [[CrossRef](#)]
69. Emilio Colombo, Luisanna Onnis, Patrizio Tirelli. 2016. Shadow economies at times of banking crises: Empirics and theory. *Journal of Banking & Finance* 62, 180-190. [[CrossRef](#)]
70. Rajesh Chandy, Om Narasimhan. 2015. Millions of Opportunities: An Agenda for Research in Emerging Markets. *Customer Needs and Solutions* 2:4, 251-263. [[CrossRef](#)]
71. Olumide Adisa. 2015. Investigating determinants of catastrophic health spending among poorly insured elderly households in urban Nigeria. *International Journal for Equity in Health* 14:1. . [[CrossRef](#)]
72. Mukesh Sud, Craig V. VanSandt. 2015. Identity Rights: A Structural Void in Inclusive Growth. *Journal of Business Ethics* 132:3, 589-601. [[CrossRef](#)]
73. Evan D. Peet, Günther Fink, Wafaie Fawzi. 2015. Returns to education in developing countries: Evidence from the living standards and measurement study surveys. *Economics of Education Review* 49, 69-90. [[CrossRef](#)]

74. Edward B. Barbier. 2015. Climate change impacts on rural poverty in low-elevation coastal zones. *Estuarine, Coastal and Shelf Science* **165**, A1-A13. [[CrossRef](#)]
75. Kevin B. Grier, Daniel L. Hicks, Weici Yuan. 2015. MARRIAGE MARKET MATCHING AND CONSPICUOUS CONSUMPTION IN CHINA. *Economic Inquiry* n/a-n/a. [[CrossRef](#)]
76. Soumaya Ben Letaifa, Javier Reynoso. 2015. Toward a service ecosystem perspective at the base of the pyramid. *Journal of Service Management* **26**:5, 684-705. [[CrossRef](#)]
77. Mohammad Enamul Hoque, Sushil Kanta Dasgupta, Eva Naznin, Abdullah Al Mamun. 2015. Household coping strategies for delivery and related healthcare cost: findings from rural Bangladesh. *Tropical Medicine & International Health* **20**:10, 1368-1375. [[CrossRef](#)]
78. Virginie Vial, Julien Hanoteau. 2015. Returns to Micro-Entrepreneurship in an Emerging Economy: A Quantile Study of Entrepreneurial Indonesian Households' Welfare. *World Development* **74**, 142-157. [[CrossRef](#)]
79. Yating Chuang, Laura Schechter. 2015. Social Networks in Developing Countries. *Annual Review of Resource Economics* **7**:1, 451-472. [[CrossRef](#)]
80. Caroline Roux, Kelly Goldsmith, Andrea Bonezzi. 2015. On the Psychology of Scarcity: When Reminders of Resource Scarcity Promote Selfish (and Generous) Behavior. *Journal of Consumer Research* ucw048. [[CrossRef](#)]
81. Srinivas Venugopal, Madhubalan Viswanathan, Kiju Jung. 2015. Consumption Constraints and Entrepreneurial Intentions in Subsistence Marketplaces. *Journal of Public Policy & Marketing* **34**:2, 235-251. [[CrossRef](#)]
82. Stefanie Beninger, Karen Robson. 2015. Marketing at the base of the pyramid: Perspectives for practitioners and academics. *Business Horizons* **58**:5, 509-516. [[CrossRef](#)]
83. Han Ei Chew, P. Vigneswara Ilavarasan, Mark R. Levy. 2015. The amplification effect of mobile phones on female-owned microenterprises. *Mobile Media & Communication* **3**:3, 317-334. [[CrossRef](#)]
84. Back Matter: Bibliography 173-189. [[CrossRef](#)]
85. Paolo Casini, Lore Vandewalle, Zaki Wahhaj. 2015. Public Good Provision in Indian Rural Areas: The Returns to Collective Action by Microfinance Groups. *The World Bank Economic Review* lhw041. [[CrossRef](#)]
86. Kelly D. Martin, Ronald Paul Hill. 2015. Saving and Well-Being at the Base of the Pyramid. *Journal of Service Research* **18**:3, 405-421. [[CrossRef](#)]
87. Richard Mussa. 2015. Youth wage employment and parental education in Malawi. *Development Southern Africa* **32**:4, 526-537. [[CrossRef](#)]
88. Jabulani Mnisi. 2015. Burning to consume? Izikhothane in Daveyton as aspirational consumers. *Communicatio* **41**:3, 340-353. [[CrossRef](#)]
89. Andreas Chai, Nicholas Rohde, Jacques Silber. 2015. MEASURING THE DIVERSITY OF HOUSEHOLD SPENDING PATTERNS. *Journal of Economic Surveys* **29**:3, 423-440. [[CrossRef](#)]
90. Karna Basu, Maisy Wong. 2015. Evaluating seasonal food storage and credit programs in east Indonesia. *Journal of Development Economics* **115**, 200-216. [[CrossRef](#)]
91. Diane Coffey, John Papp, Dean Spears. 2015. Short-Term Labor Migration from Rural North India: Evidence from New Survey Data. *Population Research and Policy Review* **34**:3, 361-380. [[CrossRef](#)]
92. Ashok Das. 2015. Slum upgrading with community-managed microfinance: Towards progressive planning in Indonesia. *Habitat International* **47**, 256-266. [[CrossRef](#)]
93. Leyla Karimli, Fred M. Ssewamala, Torsten B. Neilands, Mary McKernan McKay. 2015. Matched Child Savings Accounts in Low-Resource Communities: Who Saves?. *Global Social Welfare* **2**:2, 53-64. [[CrossRef](#)]

94. Peter Scott, James Trevor Walker. 2015. Demonstrating distinction at 'the lowest edge of the black-coated class': The family expenditures of Edwardian railway clerks. *Business History* 1-25. [[CrossRef](#)]
95. Hangwelani Hope Magidimisha, Steven Gordon. 2015. Profiling South African gender inequality in informal self-employment. *Journal of Gender Studies* 24:3, 275-292. [[CrossRef](#)]
96. Brian McCaig, Nina Pavcnik. 2015. Informal Employment in a Growing and Globalizing Low-Income Country. *American Economic Review* 105:5, 545-550. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
97. Taryn Dinkelman, Sam Schulhofer-Wohl. 2015. Migration, congestion externalities, and the evaluation of spatial investments. *Journal of Development Economics* 114, 189-202. [[CrossRef](#)]
98. Clément Imbert, John Papp. 2015. Labor Market Effects of Social Programs: Evidence from India's Employment Guarantee. *American Economic Journal: Applied Economics* 7:2, 233-263. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
99. Rajesh Kumar Rai, Sandhya Kumar, Madhushree Sekher, Bill Pritchard, Anu Rammohan. 2015. A life-cycle approach to food and nutrition security in India. *Public Health Nutrition* 18:05, 944-949. [[CrossRef](#)]
100. M. Najeeb Shafiq. 2015. Aspects of Moral Change in India, 1990–2006: Evidence from Public Attitudes toward Tax Evasion and Bribery. *World Development* 68, 136-148. [[CrossRef](#)]
101. Anand Kumar Jaiswal, Shruti Gupta. 2015. The influence of marketing on consumption behavior at the bottom of the pyramid. *Journal of Consumer Marketing* 32:2, 113-124. [[CrossRef](#)]
102. Stéphane Verguet, Ramanan Laxminarayan, Dean T. Jamison. 2015. Universal Public Finance of Tuberculosis Treatment in India: An Extended Cost-Effectiveness Analysis. *Health Economics* 24:3, 318-332. [[CrossRef](#)]
103. Holger Ernst, Hanna Nari Kahle, Anna Dubiel, Jaideep Prabhu, Mohan Subramaniam. 2015. The Antecedents and Consequences of Affordable Value Innovations for Emerging Markets. *Journal of Product Innovation Management* 32:1, 65-79. [[CrossRef](#)]
104. Carlos Bethencourt, Fernando Perera-Tallo. 2015. Declining Predation during Development: a Feedback Process. *Economica* 82:326, 253. [[CrossRef](#)]
105. Anne Parmigiani, Miguel Rivera-Santos. 2015. Sourcing for the base of the pyramid: Constructing supply chains to address voids in subsistence markets. *Journal of Operations Management* 33-34, 60-70. [[CrossRef](#)]
106. Shruti Gupta, Julie Pirsch. 2015. The BOP consumer's ethical evaluation of target marketing. *Journal of Global Scholars of Marketing Science* 25:4, 358. [[CrossRef](#)]
107. Michelle Baddeley Financing Energy Infrastructure 111-152. [[CrossRef](#)]
108. Martin Ravallion The Idea of Antipoverty Policy 1967-2061. [[CrossRef](#)]
109. Poppet Pillay, Jay Mitra. 2015. Socialising Entrepreneurship: An Activist Approach. *Journal of Entrepreneurship and Innovation in Emerging Economies* 1:1, 79-98. [[CrossRef](#)]
110. Sven Wunder, Arild Angelsen, Brian Belcher. 2014. Forests, Livelihoods, and Conservation: Broadening the Empirical Base. *World Development* 64, S1-S11. [[CrossRef](#)]
111. Simon Feeny, Lachlan McDonald, Alberto Posso. 2014. Are Poor People Less Happy? Findings from Melanesia. *World Development* 64, 448-459. [[CrossRef](#)]
112. Jonathan Argent, Britta Augsburg, Imran Rasul. 2014. Livestock asset transfers with and without training: Evidence from Rwanda. *Journal of Economic Behavior & Organization* 108, 19-39. [[CrossRef](#)]
113. Thomas Bauwens, Andreia Lemaître. 2014. Popular Economy in Santiago de Chile: State of Affairs and Challenges. *World Development* 64, 65-78. [[CrossRef](#)]
114. Edward B. Barbier, John S. Bugas. 2014. Structural change, marginal land and economic development in Latin America and the Caribbean. *Latin American Economic Review* 23:1. . [[CrossRef](#)]

115. Caroline E. van Dullemen, Jeanne G. M. de Bruijn. 2014. Micro Pensions for Women; Initiatives and Challenges in India. *Ageing International* . [[CrossRef](#)]
116. David Gras, Robert S. Nason. 2014. Bric by bric: The role of the family household in sustaining a venture in impoverished Indian slums. *Journal of Business Venturing* . [[CrossRef](#)]
117. Samuel Bazzi, Christopher Blattman. 2014. Economic Shocks and Conflict: Evidence from Commodity Prices. *American Economic Journal: Macroeconomics* 6:4, 1-38. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
118. Adriano Galati, Theodoros Bourchas, Sandra Siby, Seth Frey, Maria Olivares, Stefan Mangold. Mobile-enabled delay tolerant networking in rural developing regions 699-705. [[CrossRef](#)]
119. Aurora A. C. Teixeira, Luís Carvalho. 2014. Where Are the Poor in Mainstream International Economics?. *Poverty & Public Policy* 6:3, 215-238. [[CrossRef](#)]
120. Douglas Gollin. 2014. The Lewis Model: A 60-Year Retrospective. *Journal of Economic Perspectives* 28:3, 71-88. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
121. Nancy Birdsall, Nora Lustig, Christian J. Meyer. 2014. The Strugglers: The New Poor in Latin America?. *World Development* 60, 132-146. [[CrossRef](#)]
122. Jennifer Alix-Garcia, Benjamin Cerf Harris. 2014. Inequality, Community Participation, and the Allocation of Collective Profits. *Economics & Politics* 26:2, 285-308. [[CrossRef](#)]
123. Meghana Ayyagari, Asli Demirguc-Kunt, Vojislav Maksimovic. 2014. Who creates jobs in developing countries?. *Small Business Economics* 43:1, 75-99. [[CrossRef](#)]
124. Abhijit Banerjee, Esther Duflo, Richard Hornbeck. 2014. Bundling Health Insurance and Microfinance in India: There Cannot be Adverse Selection if There Is No Demand. *American Economic Review* 104:5, 291-297. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
125. Karen Macours, Renos Vakis. 2014. Changing Households' Investment Behaviour through Social Interactions with Local Leaders: Evidence from a Randomised Transfer Programme. *The Economic Journal* 124:576, 607-633. [[CrossRef](#)]
126. Trevon D. Logan, Raj Arunachalam. 2014. Is There Dowry Inflation in South Asia?. *Historical Methods: A Journal of Quantitative and Interdisciplinary History* 47:2, 81-94. [[CrossRef](#)]
127. Rys Farthing. Family Poverty 132-154. [[CrossRef](#)]
128. Sylwia Z. Cisek, Constantine Sedikides, Claire M. Hart, Hayward J. Godwin, Valerie Benson, Simon P. Liversedge. 2014. Narcissism and consumer behaviour: a review and preliminary findings. *Frontiers in Psychology* 5. . [[CrossRef](#)]
129. Alessandro Nicita, Marcelo Olarreaga, Guido Porto. 2014. Pro-poor trade policy in Sub-Saharan Africa. *Journal of International Economics* 92:2, 252-265. [[CrossRef](#)]
130. Dean Karlan, Aishwarya Lakshmi Ratan, Jonathan Zinman. 2014. Savings by and for the Poor: A Research Review and Agenda. *Review of Income and Wealth* 60:1, 36-78. [[CrossRef](#)]
131. Ted London, Heather Esper, Andrew Grogan-Kaylor, Geoffrey M. Kistruck. 2014. Connecting Poverty to Purchase in Informal Markets. *Strategic Entrepreneurship Journal* 8:1, 37-55. [[CrossRef](#)]
132. Carol Newman, Finn Tarp, Katleen Van Den Broeck. 2014. Social Capital, Network Effects, and Savings in Rural Vietnam. *Review of Income and Wealth* 60:1, 79-99. [[CrossRef](#)]
133. Leona M. Ungerer. 2014. Transformative consumer research: Its origins and possible enrichment of the field of consumer research in South Africa. *SA Journal of Industrial Psychology* 40:1. . [[CrossRef](#)]
134. Hartwig Haen, Vincent Réquillart. 2014. Linkages between sustainable consumption and sustainable production: some suggestions for foresight work. *Food Security* 6:1, 87-100. [[CrossRef](#)]

135. Eduardo A. Undurraga, Ariela Zycherman, Julie Yiu, Taps Bolivia Study Team, Ricardo A. Godoy. 2014. Savings at the Periphery of Markets: Evidence from Forager-Farmers in the Bolivian Amazon. *The Journal of Development Studies* 50:2, 288-301. [[CrossRef](#)]
136. Ibrahima Bocoum, Sandrine Dury, Johny Egg, Javier Herrera, Yves Martin Prevel. 2014. Does monetary poverty reflect caloric intake?. *Food Security* 6:1, 113-130. [[CrossRef](#)]
137. Alexander M. Danzer, Barbara Dietz, Ksenia Gatskova, Achim Schmillen. 2014. Showing off to the new neighbors? Income, socioeconomic status and consumption patterns of internal migrants. *Journal of Comparative Economics* 42:1, 230-245. [[CrossRef](#)]
138. Caitlin Pan, Nathan C. Pettit, Niro Sivanathan, Steven L. Blader. 2014. Low-status aversion: the effect of self-threat on willingness to buy and sell. *Journal of Applied Social Psychology* 44:11, 708. [[CrossRef](#)]
139. Maria Sophia Aguirre Socioeconomic Impact of the Work of the Home 133-145. [[CrossRef](#)]
140. Marielle A. Payaud. 2014. Marketing Strategies at the Bottom of the Pyramid: Examples From Nestlé, Danone, and Procter & Gamble. *Global Business and Organizational Excellence* 33:2, 51-63. [[CrossRef](#)]
141. References 575-599. [[CrossRef](#)]
142. Dominick Salvatore, Fred Campano. 2014. The income shortfall in the least developed countries. *Journal of Policy Modeling* 36:4, 758. [[CrossRef](#)]
143. Maria Charles, Jeffrey D. Lundy. 2013. The local Joneses: Household consumption and income inequality in large metropolitan areas. *Research in Social Stratification and Mobility* 34, 14-29. [[CrossRef](#)]
144. Elisa Cavatorta, Luca Pieroni. 2013. Background risk of food insecurity and insurance behaviour: Evidence from the West Bank. *Food Policy* 43, 278-290. [[CrossRef](#)]
145. Rebecca Samuel Shah. 2013. RELIGION AND ECONOMIC EMPOWERMENT AMONG THE ENTERPRISING POOR. *The Review of Faith & International Affairs* 11:4, 41-45. [[CrossRef](#)]
146. Monideepa Tarafdar, Ramendra Singh, Prashanth Anekal. 2013. Impact of ICT-enabled product and process innovations at the Bottom of the Pyramid: a market separations perspective. *Journal of Information Technology* 28:4, 279-295. [[CrossRef](#)]
147. Financial Inclusion: Importance, Key Facts, and Drivers 15-50. [[CrossRef](#)]
148. Back Matter 151-204. [[CrossRef](#)]
149. Hanna Nari Kahle, Anna Dubiel, Holger Ernst, Jaideep Prabhu. 2013. The democratizing effects of frugal innovation. *Journal of Indian Business Research* 5:4, 220-234. [[CrossRef](#)]
150. Benjamin Marx,, Thomas Stoker,, Tavneet Suri. 2013. The Economics of Slums in the Developing World. *Journal of Economic Perspectives* 27:4, 187-210. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
151. Tendai Chikweche. 2013. Revisiting the Business Environment at the Bottom of the Pyramid (BOP) —From Theoretical Considerations to Practical Realities. *Journal of Global Marketing* 26:5, 239-257. [[CrossRef](#)]
152. Andreas Madestam. 2013. Informal Finance: A Theory of Moneylenders. *Journal of Development Economics* . [[CrossRef](#)]
153. James D. Fearon, Louise Anten The Political Economy of Fragile States 245-280. [[CrossRef](#)]
154. Denis G. Arnold, Andres Valentin. 2013. Corporate social responsibility at the base of the pyramid. *Journal of Business Research* 66:10, 1904-1914. [[CrossRef](#)]
155. Oksan Bayulgen. 2013. Giving Credit Where Credit Is Due: Can Access to Credit Be Justified as a New Economic Right?. *Journal of Human Rights* 12:4, 491-510. [[CrossRef](#)]
156. Stéphane Verguet, Shane Murphy, Benjamin Anderson, Kjell Arne Johansson, Roger Glass, Richard Rheingans. 2013. Public finance of rotavirus vaccination in India and Ethiopia: An extended cost-effectiveness analysis. *Vaccine* 31:42, 4902-4910. [[CrossRef](#)]

157. Christian Morrisson, Fabrice Murtin. 2013. The Kuznets curve of human capital inequality: 1870–2010. *The Journal of Economic Inequality* 11:3, 283-301. [[CrossRef](#)]
158. LAURIE BONNEY, RAY COLLINS, MORGAN P. MILES, MARTIE-LOUISE VERREYNNE. 2013. A NOTE ON ENTREPRENEURSHIP AS AN ALTERNATIVE LOGIC TO ADDRESS FOOD SECURITY IN THE DEVELOPING WORLD. *Journal of Developmental Entrepreneurship* 18:03, 1350016. [[CrossRef](#)]
159. Jessica Schicks. 2013. The Definition and Causes of Microfinance Over-Indebtedness: A Customer Protection Point of View. *Oxford Development Studies* 41:sup1, S95-S116. [[CrossRef](#)]
160. Jason Paltzer, Emily Barker, Whitney P. Witt. 2013. Measuring the health-related quality of life (HRQoL) of young children in resource-limited settings: a review of existing measures. *Quality of Life Research* 22:6, 1177-1187. [[CrossRef](#)]
161. Diane Coffey. 2013. Children's Welfare and Short-term Migration from Rural India. *Journal of Development Studies* 49:8, 1101-1117. [[CrossRef](#)]
162. Lorna Zischka. 2013. VALUING SOCIAL CAPITAL BY THE RESOURCES PEOPLE ALLOCATE TO ONE ANOTHER. *Journal of International Development* 25:5, 609-625. [[CrossRef](#)]
163. Sridevi Shivarajan, Aravind Srinivasan. 2013. The Poor as Suppliers of Intellectual Property: A Social Network Approach to Sustainable Poverty Alleviation. *Business Ethics Quarterly* 23:03, 381-406. [[CrossRef](#)]
164. Pascaline Dupas,, Jonathan Robinson. 2013. Why Don't the Poor Save More? Evidence from Health Savings Experiments. *American Economic Review* 103:4, 1138-1171. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
165. Dorothee Crayen, Christa Hainz, Christiane Stöh de Martínez. 2013. Remittances, Banking Status and the Usage of Insurance Schemes. *Journal of Development Studies* 49:6, 861-875. [[CrossRef](#)]
166. Woldmariam F Mesfin, Solomon Atnafu, Gheorghita Ghinea Open air market and mobile money information system requirements 1-6. [[CrossRef](#)]
167. Atheendar S. Venkataramani, Brendan Maughan-Brown. 2013. Effects of Household Shocks and Poverty on the Timing of Traditional Male Circumcision and HIV Risk in South Africa. *AIDS and Behavior* 17:5, 1668-1674. [[CrossRef](#)]
168. Sushanta K. Mallick. 2013. Disentangling the Poverty Effects of Sectoral Output, Prices, and Policies in India. *Review of Income and Wealth* n/a-n/a. [[CrossRef](#)]
169. Meera Tiwari. 2013. The global financial crisis and self-help groups in rural India: are there lessons from their micro savings model?. *Development in Practice* 23:2, 278-291. [[CrossRef](#)]
170. Manoj Roy, David Hulme, Ferdous Jahan. 2013. Contrasting adaptation responses by squatters and low-income tenants in Khulna, Bangladesh. *Environment and Urbanization* 25:1, 157-176. [[CrossRef](#)]
171. Lutz G. Arnold, Benedikt Booker. 2013. Good intentions pave the way to ... the local moneylender. *Economics Letters* 118:3, 466-469. [[CrossRef](#)]
172. Adam Smith, Amir Pezeshkan. 2013. Which businesses actually help the global poor?. *South Asian Journal of Global Business Research* 2:1, 43-58. [[CrossRef](#)]
173. Monique Hennink, Deborah A. McFarland. 2013. A delicate web: Household changes in health behaviour enabled by microcredit in Burkina Faso. *Global Public Health* 1-15. [[CrossRef](#)]
174. Colin M. Ramsay, Luis David Arcila. 2013. Pricing Funeral (Burial) Insurance in a Microinsurance World with Emphasis on Africa. *North American Actuarial Journal* 17:1, 63-81. [[CrossRef](#)]
175. Jessica Schicks From a Supply Gap to a Demand Gap? The Risk and Consequences of Over-indebting the Underbanked 152-177. [[CrossRef](#)]

176. John Quinn, Vladimir Bencko. 2013. Food insecurity: How to orchestrate a global health crisis. *Health* 05:06, 1055-1061. [[CrossRef](#)]
177. Shilpa Aggarwal, Leora Klapper, Dorothe Singer Financing Businesses in Africa: The Role of Microfinance 178-198. [[CrossRef](#)]
178. Muhammadsuhaimee Yanya. 2013. Causal Relationship between Entrepreneurship Poverty and Income Inequality in Thailand. *International Journal of Trade, Economics and Finance* 436-440. [[CrossRef](#)]
179. Sophie Mitra, Aleksandra Posarac, Brandon Vick. 2013. Disability and Poverty in Developing Countries: A Multidimensional Study. *World Development* 41, 1-18. [[CrossRef](#)]
180. Narasimha D. Rao, Paul Baer. 2012. "Decent Living" Emissions: A Conceptual Framework. *Sustainability* 4:12, 656-681. [[CrossRef](#)]
181. Carles Muntaner, Haejoo Chung, Joan Benach, Edwin Ng. 2012. Hierarchical cluster analysis of labour market regulations and population health: a taxonomy of low- and middle-income countries. *BMC Public Health* 12:1. . [[CrossRef](#)]
182. Adugna Lemi. 2012. Trade Liberalization and Change in Poverty Status in Rural Ethiopia: What are the Links?. *International Economic Journal* 26:4, 609-633. [[CrossRef](#)]
183. Carlo Milana, Arvind Ashta. 2012. Developing microfinance: A survey of the literature. *Strategic Change* 21:7-8, 299-330. [[CrossRef](#)]
184. Jonathan Robinson. 2012. Limited Insurance within the Household: Evidence from a Field Experiment in Kenya. *American Economic Journal: Applied Economics* 4:4, 140-164. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
185. Hazel Jean L. Malapit. 2012. Are Women More Likely to be Credit Constrained? Evidence from Low-Income Urban Households in the Philippines. *Feminist Economics* 1-28. [[CrossRef](#)]
186. Alex Coad, Jaganaddha Pawan Tamvada. 2012. Firm growth and barriers to growth among small firms in India. *Small Business Economics* 39:2, 383-400. [[CrossRef](#)]
187. PETER M. SCOTT, JAMES WALKER. 2012. Working-Class Household Consumption Smoothing in Interwar Britain. *The Journal of Economic History* 72:03, 797-825. [[CrossRef](#)]
188. Taryn Dinkelman, Vimal Ranchhod. 2012. Evidence on the impact of minimum wage laws in an informal sector: Domestic workers in South Africa. *Journal of Development Economics* 99:1, 27-45. [[CrossRef](#)]
189. Sarah Pearlman. 2012. Too Vulnerable for Microfinance? Risk and Vulnerability as Determinants of Microfinance Selection in Lima. *Journal of Development Studies* 48:9, 1342-1359. [[CrossRef](#)]
190. Omer Moav and, Zvika Neeman. 2012. Saving Rates and Poverty: The Role of Conspicuous Consumption and Human Capital\*. *The Economic Journal* 122:563, 933-956. [[CrossRef](#)]
191. Melanie Khamis, Nishith Prakash, Zahra Siddique. 2012. Consumption and social identity: Evidence from India. *Journal of Economic Behavior & Organization* 83:3, 353-371. [[CrossRef](#)]
192. Ibrahima Bocoum, Sandrine Dury, Johny Egg. 2012. La pauvreté monétaire reflète-t-elle la consommation calorique ?. *Économie rurale* :330-331, 145-160. [[CrossRef](#)]
193. Geranda Notten, Denis de Crombrughe. 2012. Consumption smoothing in Russia1. *Economics of Transition* 20:3, 481-519. [[CrossRef](#)]
194. Derek D. Rucker, Adam D. Galinsky, David Dubois. 2012. Power and consumer behavior: How power shapes who and what consumers value. *Journal of Consumer Psychology* 22:3, 352-368. [[CrossRef](#)]
195. Erhard Berner, Georgina Gomez, Peter Knorringa. 2012. 'Helping a Large Number of People Become a Little Less Poor': The Logic of Survival Entrepreneurs. *The European Journal of Development Research* 24:3, 382-396. [[CrossRef](#)]

196. Tendai Chikweche, Richard Fletcher. 2012. Undertaking research at the bottom of the pyramid using qualitative methods. *Qualitative Market Research: An International Journal* 15:3, 242-267. [[CrossRef](#)]
197. Isabelle Agier, Isabelle Guérin, Ariane Szafarz. 2012. Child gender and parental borrowing: Evidence from India. *Economics Letters* 115:3, 363-365. [[CrossRef](#)]
198. Shyama V. Ramani, Shuan SadreGhazi, Geert Duysters. 2012. On the diffusion of toilets as bottom of the pyramid innovation: Lessons from sanitation entrepreneurs. *Technological Forecasting and Social Change* 79:4, 676-687. [[CrossRef](#)]
199. Tendai Chikweche, John Stanton, Richard Fletcher. 2012. Family purchase decision making at the bottom of the pyramid. *Journal of Consumer Marketing* 29:3, 202-213. [[CrossRef](#)]
200. Fredrick Onyango Ogola. 2012. Financial institutions' social responsibility in developing countries. *African Journal of Economic and Management Studies* 3:1, 116-136. [[CrossRef](#)]
201. Joshua E. Blumenstock. 2012. Inferring patterns of internal migration from mobile phone call records: evidence from Rwanda. *Information Technology for Development* 18:2, 107-125. [[CrossRef](#)]
202. Elise Wach. 2012. Measuring the 'Inclusivity' of Inclusive Business. *IDS Practice Papers* 2012:9, 01-30. [[CrossRef](#)]
203. Constantine Sedikides, Sylwia Cisek, Claire M. Hart. Narcissism and Brand Name Consumerism 382-392. [[CrossRef](#)]
204. Shahzad Ansari, Kamal Munir, Tricia Gregg. 2012. Impact at the 'Bottom of the Pyramid': The Role of Social Capital in Capability Development and Community Empowerment. *Journal of Management Studies* no-no. [[CrossRef](#)]
205. S. de Mel, D. McKenzie, C. Woodruff. 2012. One-Time Transfers of Cash or Capital Have Long-Lasting Effects on Microenterprises in Sri Lanka. *Science* 335:6071, 962-966. [[CrossRef](#)]
206. Geetika Goel, Meenakshi Rishi. 2012. Promoting entrepreneurship to alleviate poverty in India: An overview of government schemes, private-sector programs, and initiatives in the citizens' sector. *Thunderbird International Business Review* 54:1, 45-57. [[CrossRef](#)]
207. Emilio Hernandez, Abdoul G. Sam, Claudio Gonzalez-Vega, Joyce J. Chen. 2012. Does the insurance effect of public and private transfers favor financial deepening? Evidence from rural Nicaragua. *Review of Development Finance* 2:1, 9-21. [[CrossRef](#)]
208. Eric V Edmonds, Maheshwor Shrestha. 2012. The impact of minimum age of employment regulation on child labor and schooling\*. *IZA Journal of Labor Policy* 1:1, 14. [[CrossRef](#)]
209. Ashok Kotwal,, Bharat Ramaswami,, Wilima Wadhwa. 2011. Economic Liberalization and Indian Economic Growth: What's the Evidence?. *Journal of Economic Literature* 49:4, 1152-1199. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
210. Gary S. Fields. 2011. Labor market analysis for developing countries. *Labour Economics* 18, S16-S22. [[CrossRef](#)]
211. W. Foster, A. Valdes, B. Davis, G. Anriquez. 2011. The Constraints to Escaping Rural Poverty: An Analysis of the Complementarities of Assets in Developing Countries. *Applied Economic Perspectives and Policy* 33:4, 528-565. [[CrossRef](#)]
212. J. Ramachandran, Anirvan Pant, Saroj Kumar Pani. 2011. Building the BoP Producer Ecosystem: The Evolving Engagement of Fabindia with Indian Handloom Artisans. *Journal of Product Innovation Management* n/a-n/a. [[CrossRef](#)]
213. JOSÉ M. EDWARDS, SOPHIE PELLÉ. 2011. CAPABILITIES FOR THE MISERABLE; HAPPINESS FOR THE SATISFIED. *Journal of the History of Economic Thought* 33:03, 335-355. [[CrossRef](#)]

214. Tendai Chikweche, Richard Fletcher. 2011. Franchising at the Bottom of the Pyramid (BOP): an alternative distribution approach. *The International Review of Retail, Distribution and Consumer Research* 21:4, 343-360. [[CrossRef](#)]
215. Philip H. Brown, Erwin Bulte, Xiaobo Zhang. 2011. Positional spending and status seeking in rural China. *Journal of Development Economics* 96:1, 139-149. [[CrossRef](#)]
216. Jennifer A. Burney, Rosamond L. Naylor. 2011. Smallholder Irrigation as a Poverty Alleviation Tool in Sub-Saharan Africa. *World Development* . [[CrossRef](#)]
217. Lori Beaman, Andrew Dillon. 2011. Do household definitions matter in survey design? Results from a randomized survey experiment in Mali. *Journal of Development Economics* . [[CrossRef](#)]
218. Bénédicte Paul, Alix Dameus, Michel Garrabe. 2011. Le processus de tertiarisation de l'économie haïtienne. *Études caribéennes* :16. . [[CrossRef](#)]
219. Tendai Chikweche, Richard Fletcher. 2011. Branding at the base of pyramid: a Zimbabwean perspective. *Marketing Intelligence & Planning* 29:3, 247-263. [[CrossRef](#)]
220. Nimmi Rangaswamy, Nithya Sambasivan. 2011. Cutting Chai, Jugaad, and Here Pheri: towards UbiComp for a global community. *Personal and Ubiquitous Computing* . [[CrossRef](#)]
221. Derek D. Rucker, David Dubois, Adam D. Galinsky. 2011. Generous Paupers and Stingy Princes: Power Drives Consumer Spending on Self versus Others. *Journal of Consumer Research* 37:6, 1015-1029. [[CrossRef](#)]
222. Vijay Sathe. 2011. The World's Most Ambitious ID Project ( Innovations Case Narrative: India's Project Aadhaar). *Innovations: Technology, Governance, Globalization* 6:2, 39-65. [[CrossRef](#)]
223. Ganesh Rauniyar, Aniceto Orbeta, Guntur Sugiyarto. 2011. Impact of water supply and sanitation assistance on human welfare in rural Pakistan. *Journal of Development Effectiveness* 3:1, 62-102. [[CrossRef](#)]
224. Nathan C. Pettit, Niro Sivanathan. 2011. The Plastic Trap. *Social Psychological and Personality Science* 2:2, 146-153. [[CrossRef](#)]
225. S. Chandrasekhar, Tesfayi Gebreselassie, Anuja Jayaraman. 2011. Maternal Health Care Seeking Behavior in a Post-Conflict HIPC: The Case of Rwanda. *Population Research and Policy Review* 30:1, 25-41. [[CrossRef](#)]
226. Björn Vollan. 2011. The difference between kinship and friendship: (Field-) experimental evidence on trust and punishment. *The Journal of Socio-Economics* 40:1, 14-25. [[CrossRef](#)]
227. Aneel Karnani Romanticizing the Poor 85-109. [[CrossRef](#)]
228. Gabriel Di Bella. 2011. The Impact of the Global Financial Crisis on Microfinance and Policy Implications. *IMF Working Papers* 11:175, 1. [[CrossRef](#)]
229. Craig Hadley, Fasil Tessema, Ayalew T. Muluneh. 2011. Household food insecurity and caregiver distress: Equal threats to child nutritional status?. *American Journal of Human Biology* n/a-n/a. [[CrossRef](#)]
230. Nidhiya Menon, Yana van der Meulen Rodgers. 2011. How Access to Credit Affects Self-employment: Differences by Gender during India's Rural Banking Reform. *Journal of Development Studies* 47:1, 48-69. [[CrossRef](#)]
231. Pablo Acosta, Namsuk Kim, Illana Melzer, Ronald U. Mendoza, Nina Thelen. 2011. Business and human development in the base of the pyramid: Exploring challenges and opportunities with market heat maps#. *Journal of World Business* 46:1, 50-60. [[CrossRef](#)]
232. Pedro Pita Barros, Luigi Siciliani Public and Private Sector Interface 927-1001. [[CrossRef](#)]
233. M. Ehmke, J. F. Shogren. 2010. The Experimental Mindset within Development Economics: Proper Use and Handling Are Everything. *Applied Economic Perspectives and Policy* 32:4, 549-563. [[CrossRef](#)]

234. Nadia I Alamgir, Aliya Naheed, Stephen P Luby. 2010. Coping strategies for financial burdens in families with childhood pneumonia in Bangladesh. *BMC Public Health* **10**:1. . [[CrossRef](#)]
235. Rosamond L. Naylor, Walter P. Falcon. 2010. Food Security in an Era of Economic Volatility. *Population and Development Review* **36**:4, 693-723. [[CrossRef](#)]
236. EDWARD B. BARBIER. 2010. Poverty, development, and environment. *Environment and Development Economics* **15**:06, 635-660. [[CrossRef](#)]
237. Victor Tanaka. 2010. The 'informal sector' and the political economy of development. *Public Choice* **145**:1-2, 295-317. [[CrossRef](#)]
238. Martin Ravallion, Shaohua Chen. 2010. Weakly Relative Poverty. *Review of Economics and Statistics* 110801094742003. [[CrossRef](#)]
239. Carlo Perroni, Eugenio Proto. 2010. Entrepreneurial drain under moral hazard: A high-yield sector curse?#. *Journal of Development Economics* **93**:1, 63-70. [[CrossRef](#)]
240. Abhijit V. Banerjee,, Esther Duflo,. 2010. Giving Credit Where It Is Due. *Journal of Economic Perspectives* **24**:3, 61-80. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
241. D. McKenzie. 2010. Impact Assessments in Finance and Private Sector Development: What Have We Learned and What Should We Learn?. *The World Bank Research Observer* **25**:2, 209-233. [[CrossRef](#)]
242. Ruth Vargas Hill. 2010. Investment and Abandonment Behavior of Rural Households: An Empirical Investigation. *American Journal of Agricultural Economics* **92**:4, 1065-1086. [[CrossRef](#)]
243. Maria Minniti, Wim Naudé. 2010. What Do We Know About The Patterns and Determinants of Female Entrepreneurship Across Countries?. *The European Journal of Development Research* **22**:3, 277-293. [[CrossRef](#)]
244. Georgina M Gómez. 2010. What was the Deal for the Participants of the Argentine Local Currency Systems, the Redes de Trueque?. *Environment and Planning A* **42**:7, 1669-1685. [[CrossRef](#)]
245. Niro Sivanathan, Nathan C. Pettit. 2010. Protecting the self through consumption: Status goods as affirmational commodities. *Journal of Experimental Social Psychology* **46**:3, 564-570. [[CrossRef](#)]
246. Omer Moav, Zvika Neeman. 2010. STATUS AND POVERTY. *Journal of the European Economic Association* **8**:2-3, 413-420. [[CrossRef](#)]
247. Timothy J. Halliday. 2010. Mismeasured Household Size and its Implications for the Identification of Economies of Scale. *Oxford Bulletin of Economics and Statistics* **72**:2, 246-262. [[CrossRef](#)]
248. Roger D. Johnson. 2010. Extracting a revised labor supply theory from Becker's model of the household. *The Journal of Socio-Economics* **39**:2, 241-250. [[CrossRef](#)]
249. Anirudh Krishna. 2010. Who became poor, who escaped poverty, and why? Developing and using a retrospective methodology in five countries. *Journal of Policy Analysis and Management* **29**:2, 351-372. [[CrossRef](#)]
250. Aneel Karnani. 2010. Failure of the libertarian approach to reducing poverty. *Asian Business & Management* **9**:1, 5-21. [[CrossRef](#)]
251. J. Burney, L. Woltering, M. Burke, R. Naylor, D. Pasternak. 2010. Solar-powered drip irrigation enhances food security in the Sudano-Sahel. *Proceedings of the National Academy of Sciences* **107**:5, 1848-1853. [[CrossRef](#)]
252. Emmanuel Cleeve. 2010. Innovation systems, research into use and development. *International Journal of Entrepreneurship and Innovation Management* **11**:2, 178. [[CrossRef](#)]
253. Dean Karlan, Jonathan Morduch. Access to Finance 4703-4784. [[CrossRef](#)]
254. Paul Levine, Emanuela Lotti, Nicoletta Batini, Young-Bae Kim. 2010. Informal Labour and Credit Markets: A Survey. *IMF Working Papers* **10**:42, 1. [[CrossRef](#)]

255. Samanthala Hettihewa, Christopher S. Wright. 2010. Socio-Economic Differences and Deployment of the LDC Micro-Finance Bottom-up Approach in DCs. *Journal of Electronic Commerce in Organizations* 8:2, 41-53. [[CrossRef](#)]
256. Juan Camilo Cárdenas. 2009. Experiments in Environment and Development. *Annual Review of Resource Economics* 1:1, 157-182. [[CrossRef](#)]
257. Grant Jacobsen. 2009. Health and Death Risk and Income Decisions: Evidence from Microfinance. *The Journal of Development Studies* 45:6, 934-946. [[CrossRef](#)]
258. T. Krishna Kumar, Sushanta Mallick, Jayarama Holla. 2009. Estimating Consumption Deprivation in India Using Survey Data: A State-Level Rural-Urban Analysis Before and During Reform Period. *The Journal of Development Studies* 45:4, 441-470. [[CrossRef](#)]
259. Aneel Karnani. 2009. Romanticising the poor harms the poor. *Journal of International Development* 21:1, 76-86. [[CrossRef](#)]
260. S DEMEL, D MCKENZIE, C WOODRUFF. 2009. Measuring microenterprise profits: Must we ask how the sausage is made?#. *Journal of Development Economics* 88:1, 19-31. [[CrossRef](#)]
261. Gabriela Flores, Jaya Krishnakumar, Owen O'Donnell, Eddy van Doorslaer. 2008. Coping with health-care costs: implications for the measurement of catastrophic expenditures and poverty. *Health Economics* 17:12, 1393-1412. [[CrossRef](#)]
262. Saroja Subrahmanyam, J. Tomas Gomez-Arias. 2008. Integrated approach to understanding consumer behavior at bottom of pyramid. *Journal of Consumer Marketing* 25:7, 402-412. [[CrossRef](#)]
263. Ronald U. Mendoza, Nina Thelen. 2008. Innovations to Make Markets More Inclusive for the Poor. *Development Policy Review* 26:4, 427-458. [[CrossRef](#)]
264. Abhijit V. Banerjee, Esther Duflo. 2008. Mandated Empowerment. *Annals of the New York Academy of Sciences* 1136:1, 333-341. [[CrossRef](#)]
265. Aneel Karnani. 2008. Help, don't romanticize, the poor. *Business Strategy Review* 19:2, 48-53. [[CrossRef](#)]
266. Madhubalan Viswanathan, S. Gajendiran, R. Venkatesan. 2008. Understanding and enabling marketplace literacy in subsistence contexts: The development of a consumer and entrepreneurial literacy educational program in South India. *International Journal of Educational Development* 28:3, 300-319. [[CrossRef](#)]
267. Esther Duflo, Michael Kremer, Jonathan Robinson. 2008. How High Are Rates of Return to Fertilizer? Evidence from Field Experiments in Kenya. *American Economic Review* 98:2, 482-488. [[Citation](#)] [[View PDF article](#)] [[PDF with links](#)]
268. Abhijit V. Banerjee, Esther Duflo. 2008. What is Middle Class about the Middle Classes around the World?. *Journal of Economic Perspectives* 22:2, 3-28. [[Abstract](#)] [[View PDF article](#)] [[PDF with links](#)]
269. PAUL R. EHRLICH. 2008. Key issues for attention from ecological economists. *Environment and Development Economics* 13:01. . [[CrossRef](#)]
270. Debraj Ray, Clive Bell. *Development Economics* 1-20. [[CrossRef](#)]
271. Milo Paviera, Mahmoud Khalik. *Theoretical Aspects on Bottom of the Pyramid in Emerging Economies*: 1-29. [[CrossRef](#)]
272. ICTs and Coordination for Poverty Alleviation 165-189. [[CrossRef](#)]
273. Samanthala Hettihewa, Christopher S. Wright. *Microfinance from LDCs to DCS* 283-301. [[CrossRef](#)]
274. Mostafa Mohamad, Trevor Wood-Harper, Ronnie Ramlogan. *Mobile Financial Services at the Base of the Pyramid*: 46-82. [[CrossRef](#)]
275. Kamal Munir, Shahzad Ansari, Tricia Gregg. *Beyond the hype: Taking business strategy to the "bottom of the pyramid"* 247-276. [[CrossRef](#)]