What does it mean to be poor?

An investigation of the qualitative-quantitative divide in Mozambique

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Investigating the qualitative-quantitative divide in Mozambique

Sam Jones¹ and Inge Tvedten²

- Poverty an enduring theme across social sciences
 - ... today c. 800m people are estimated to be poor, of which 50% live in Africa (Ravallion and Chen, 2017)
- Different academic disciplines often speak past each other when it comes to the conceptualization and approach to 'poverty'
- A number of studies attempt to combine alternative perspectives & methods (e.g., 'Q-squared'), but these have limitations:

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(1) Explore (the different) understandings of poverty as seen from quantitative (economic) and qualitative (anthropology) perspectives

... taking Mozambique as a case in point (for examples, see the WP)

... a priori we do not seek just what is in common

(2) Reveal the underlying philosophical positions which underpin concrete analyses in different disciplines

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Agenda

- Quantifying poverty
- 2 'Qualifying' poverty
- 3 Philosophical positions
- 4 Implications

(1) Quantifying poverty

Objective := identify who is poor, based on an objective definition of material deprivation that is (in principle) consistent through space and time

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In doing so, we assume:
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... such that, \uparrow consumption $\implies \uparrow$ utility

Define a poverty line (z) in monetary terms

$$\bar{u}_z = w(\bar{c}_z) \tag{1}$$

$$z_i = e(p_i, x_i, \bar{u}_z) \tag{2}$$

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Measures of poverty and inequality

Results from applying this approach, using the series of four existing household surveys (IAFs/IOFs):

	1996/97	2002/03	2008/09	2014/15	Growth
No. consumption baskets	0.7	1.0	1.0	1.1	2.1%
Poverty headcount	68.8	52.7	51.5	46.3	-2.2%
Poverty gap	28.7	19.3	19.0	16.7	-3.0%
Squared poverty gap	15.3	9.5	9.7	8.3	-3.4%
Gini (x100)	40.5	41.5	41.7	46.8	0.8%

Notes: 'No. consumption baskets' reports the number of baskets equal in value to the Cost of Basic Needs poverty line that the median household can purchase; the poverty gap and its square are expressed as a proportion of the poverty line; growth is annualized over the full period.

The basic 'data' on who is poor can be extended/used in multiple ways:

- Disaggregation by region, gender, employment status etc
- A poverty profile → multivariate analysis of the correlates of poverty.
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 - Evolving consumption returns to education, becoming more convex (further work on this underway)
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Location → Survey year →	National	By location (pooled)		By year				
	All	Urban	Rural	1996/97	2002/03	2008/09	2014/15	
Column →	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
Age of household head	-0.3***	-0.2*	-0.2**	-0.2	-0.1	-0.4**	0.0	
	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	
Is household head female?	-8.9***	-9.3***	-9.7***	-11.2***	-10.5**	-6.8**	-12.0***	
	(1.2)	(1.7)	(1.5)	(2.4)	(3.3)	(2.4)	(1.3)	
Household size	-2.6***	0.1	-8.1***	-18.1***	-7.5***	-0.3	-7.4***	
	(0.7)	(0.7)	(1.1)	(2.1)	(2.1)	(0.9)	(0.8)	
Adult males (% household)	62.7***	73.1***	60.7***	16.4	47.5***	60.5***	64.8***	
	(3.7)	(5.8)	(5.1)	(8.5)	(9.0)	(7.9)	(4.2)	
Adult female members (%)	74.6***	90.9***	70.8***	30.6***	64.7***	68.9***	67.3***	
	(4.3)	(6.1)	(6.3)	(8.9)	(9.3)	(9.8)	(4.4)	
Young female members (%)	54.6***	51.8***	56.6***	49.9***	39.5***	46.1***	38.1***	
	(4.8)	(8.0)	(6.6)	(9.7)	(11.3)	(10.3)	(5.4)	
Household members <7 years (%)	-7.4***	-11.0***	-3.4***	-5.7***	-7.9***	-7.2***	-8.0***	
	(8.0)	(1.1)	(1.0)	(1.4)	(1.7)	(1.6)	(0.7)	
Household members 7–14 (%)	-6.9***	-9.6***	-2.1*	-5.5***	-7.1***	-6.8***	-5.1***	
	(0.7)	(8.0)	(1.0)	(1.2)	(1.4)	(1.3)	(0.7)	
Years of education (workers)	2.1***	4.5***	3.1***	7.1***	-0.5	1.0	0.4	
	(0.4)	(0.7)	(0.6)	(1.0)	(1.2)	(1.0)	(0.4)	
Years of education (workers) sqrd.	0.6***	0.5***	0.2**	0.3*	0.9***	0.7***	0.6***	
	(0.0)	(0.0)	(0.1)	(0.1)	(0.1)	(0.1)	(0.0)	
Ag. and non-farm household	19.4***	18.7***	20.6***	18.0***	19.9***	13.3***	22.0***	
	(1.5)	(2.3)	(2.0)	(3.2)	(3.5)	(3.5)	(1.5)	
Non-farm enterprise household	37.8***	35.1***	46.5***	31.1***	46.5***	39.4***	36.3**	
	(1.9)	(2.3)	(4.4)	(5.2)	(4.7)	(4.6)	(1.8)	
Household is wage earning	30.4***	27.0***	38.4***	12.8*	35.3***	21.0***	35.5**	
	(2.1)	(2.4)	(5.6)	(5.7)	(5.1)	(4.3)	(2.1)	

Location →	National	By location	n (pooled)	By year				
Survey year →	All	Urban	Rural	1996/97	2002/03	2008/09	2014/15	
Province: Cabo Delgado	3.1	15.7***	-0.1	14.9**	-27.8***	-5.7	20.9***	
	(2.0)	(4.1)	(2.2)	(4.9)	(4.1)	(4.2)	(2.4)	
Province: Nampula	-6.8***	5.2	-9.3***	-4.5	-15.1***	-22.4***	5.2**	
	(1.8)	(3.1)	(2.1)	(4.3)	(4.2)	(4.1)	(1.9)	
Province: Zambézia	-8.0***	-4.8	-9.3***	5.4	-5.6	-38.2***	4.2*	
	(1.8)	(3.2)	(2.1)	(4.0)	(4.4)	(4.0)	(2.0)	
Province: Tete	-1.6	-13.1***	-0.9	-18.7***	-36.9***	-15.7**	35.5***	
	(2.0)	(3.4)	(2.3)	(4.3)	(4.7)	(4.8)	(2.2)	
Province: Manica	2.4	12.6***	0.9	26.4***	-9.3	-34.0***	26.8***	
	(2.1)	(3.1)	(2.5)	(4.7)	(5.5)	(4.2)	(2.1)	
Province: Sofala	-5.3*	14.6***	-12.7***	-34.3***	11.4*	-38.2***	27.3***	
	(2.5)	(3.0)	(3.4)	(4.5)	(5.0)	(6.5)	(2.3)	
Province: Inhambane	-20.5***	10.6**	-27.6***	-15.4***	-68.6***	-19.9***	14.6***	
	(2.3)	(3.5)	(2.8)	(4.4)	(5.1)	(5.4)	(2.4)	
Province: Gaza	-2.9	16.0***	-6.3*	20.2***	-9.8*	-40.7***	13.3***	
	(2.3)	(3.7)	(2.8)	(4.9)	(4.7)	(5.6)	(2.6)	
Province: Maputo	-6.9**	11.3***	-22.8***	8.4	-48.8***	-48.3***	45.4***	
	(2.3)	(3.0)	(3.4)	(5.9)	(4.6)	(5.2)	(2.2)	
Province: Maputo City	9.9***	18.2***	-	6.1	-26.7***	-18.0***	57.3***	
	(2.4)	(2.9)		(7.1)	(5.2)	(5.3)	(2.4)	
Rural location (dummy)	19.2***	-	-	13.0***	18.9***	15.1***	28.1***	
	(1.2)			(3.3)	(2.7)	(2.5)	(1.3)	
Time trend (in years)	1.4***	0.8***	1.5***	-	-	-	-	
	(0.1)	(0.1)	(0.1)					
Observations	54,981	26,237	28,744	7,645	8,192	10,013	29,131	
R-squared (adjusted)	0.30	0.41	0.22	0.34	0.32	0.26	0.41	

(2) 'Qualifying' poverty

Objective := appreciate the **lived experience** of the most vulnerable (poor) and the complex of **social relations** that structure these experiences

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Also, begins with assumptions:

- People are encountered in specific contexts and face particular social, political and economic structures, which have a significant influence on events and possibilities
- situation cannot be assumed *ex ante*, but is itself a basic
- A central focus is on how existing structural constraints evolve and reproduce social structures (of better- and worse-off)
- Expect the form/nature of poverty to vary across contexts

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Ethnographic fieldwork (longitudinal) makes up the basic data.

Undertaken in Mozambique in various locations: *Murrupula* (Nampula); *Maputo cidade*; *Buzi* (Sofala); *Cuamba*, *Majune* e *Lago* (Niassa).

Examples of local definitions/conceptions of poverty:
Category // Location Murrupula Maputo Buz

The worse-off:

Destitute opitanha xiculungo umbwa Chronic poor ohawa xantumbuluku mulombc Temporarily poor ohikalano xangamo kombo

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By merit opwalatha xantambuluku muthende Suddenly ovela xigogo mucupuki

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	ohikalano	xangamo	kombo
The better-off: By merit Suddenly	opwalatha	xantambuluku	muthende
	ovela	xigogo	mucupuki
Language	Масиа	Shangana	Ndau

Broadly speaking, poverty is frequently expressed in relative not absolute terms.

The (given) reasons for being poor vary widely – e.g., can relate to a vicious cycle begun by just a small negative shock (economic), family difficulties ('lost' husband), etc..

Among those who have been able to accumulate some wealth, a common theme is how they have navigated social pressures (e.g., 'family taxes', political authorities).

 e.g., one entrepreneur in rural Niassa rural suffered a major social disgrace – almost no one attended his funeral as he had not supported the community sufficiently

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(3) Philosophical positions

Is it possible to integrate these different perspectives?

New *quantitative* methods attempt to capture certain dimensions suggested by the qualitative approach:

- Longitudinal surveys to distinguish between permanent and temporary poverty
- Subjective assessment of well-being, often expressed in relative terms
- Multi-dimensional poverty (à la Alkire-Foster)
- Capability approach (à la Sen)

New methods are welcome and add value. BUT, typically a primary objective remains to count *who* is poor.

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- Capability approach (à la Sen)

New methods are welcome and add value. BUT, typically a primary objective remains to count *who* is poor.

Philosophical positions

Domain	Quantitative	Qualitative
Ontological character	Realist/external	Constructed/internal
Generative mechanisms	Economic factors	Social relations
Epistemological priority	Counting (etic)	Thick description (emic)
→ Philosophy of science	Naturalism	Anti-naturalism

Ontological character

Ontology := what kind of a 'thing' is poverty?

Quantitative approach:

- Poverty is understood as deficient consumption
- an externally verifiable & objective fact that does not relate to either individual or social perceptions (states of mind)

Qualitative approach

- Poverty cannot be separated from its social context or the meaning of inter-personal relations := non-atomistic
- The experience of poverty represents a process of social marginalization (c.f., class relations)
- = the field of social relation is integral to the nature/meaning of being poor e.g., what are the relevant units (household?)
- a low level of consumption is a common symptom of poverty, but is not the fundamental aspect (neither necessary nor sufficient to be poor)

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Generative mechanisms

Mechanisms := how is poverty (re)produced?

- Quantitative approach:
- Does not give a clear response (being outside the theory)
- BUT, poverty profiles and associated policy discussions typically emphasise inputs to a generic household production function e.g., different forms of capital.
- Essentially, descriptive e.g., while human capital tends to be strongly associated with consumption levels, what explains the extant level and distribution of this capital?

Qualitative approach:

Focuses on the various forms of power and, in connection, how opportunities for mobility and change are strategically controlled ('opportunity hoarding') and by whom
 e.g., access to employment depends on social relations

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Epistemological priority

Epistemology := what type of knowledge is valued?

Quantitative approach:

- Abstracts from individuals or concrete contexts
- Concepts of interest have meaning for the observer but not for the observed
- Makes the social work legible and controllable (à la Scott)
- = etic

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- Thick description
- Emphasises local meanings, the fluidity of concepts across time/space and (social) structures of oppression
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(4) Implications

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Thanks // Obrigado

Comments & questions?

https://www.wider.unu.edu/publication/ what-does-it-mean-be-poor