

Evolution of poverty and income distribution among Brazilian agricultural workers and families: an analysis by gender between 1992 and 2007

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Focus on:

- Feminization of poverty: change in poverty biased against women or female-headed families between 1992 and 2007.
- Income distribution in Brazil and other features of agricultural labourers and families, by gender.

Unit of analysis:

Agricultural workers

- Female workers
- Male workers

primary occupation in
agriculture

Agricultural families

- Female headed families
- Male and couple-headed
families workers

head of family with primary
occupation in agriculture

Data: National Household Sample Survey (PNAD) for 1992, 1999 and 2007.



Legenda

- Limite de Estado
- Limite do País
- Capital de Estado
- ★ Capital de País

Região

- | | |
|--|---|
| <ul style="list-style-type: none"> ■ Norte ■ Nordeste ■ Sudeste | <ul style="list-style-type: none"> ■ Sul ■ Centro-Oeste |
|--|---|

Socioeconomic and demographic characteristics of agricultural workers by gender. Brazil, 1992, 1999 and 2007.

In general female workers :

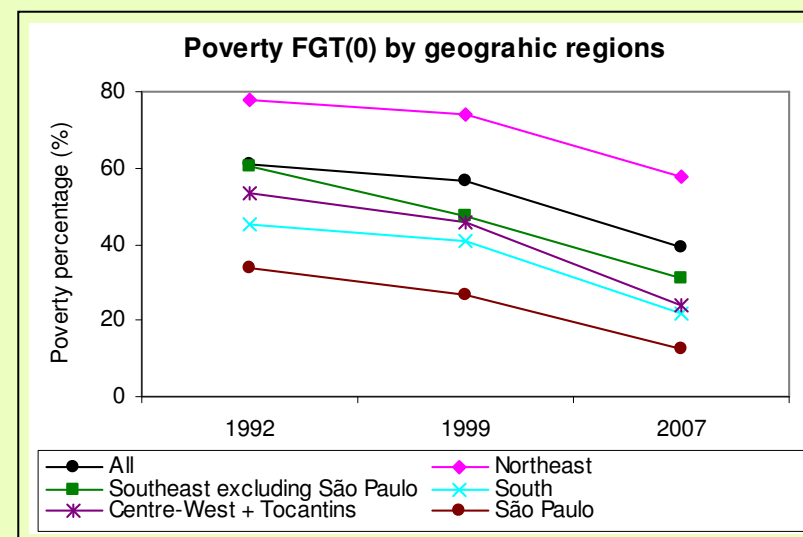
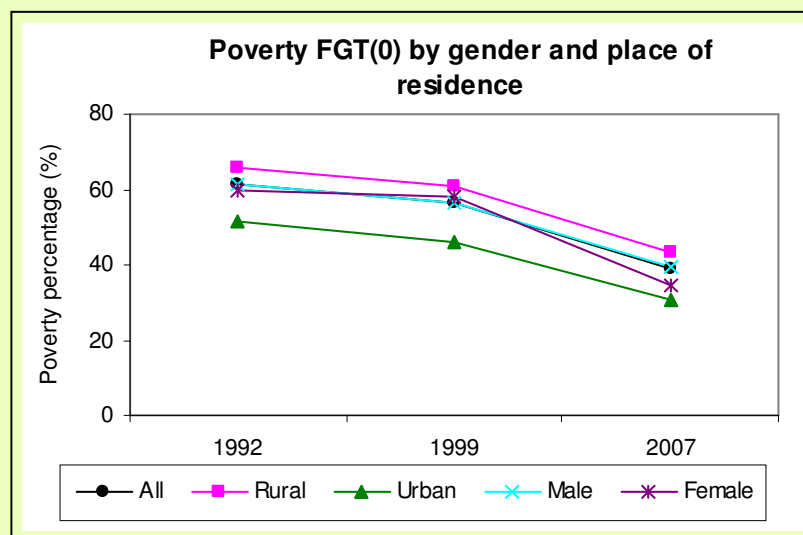
- Correspond to 1/8 of male agricultural workers;
- Improved their relative positions in education and formal labour market.

Income composition for agricultural workers by gender (min wage)

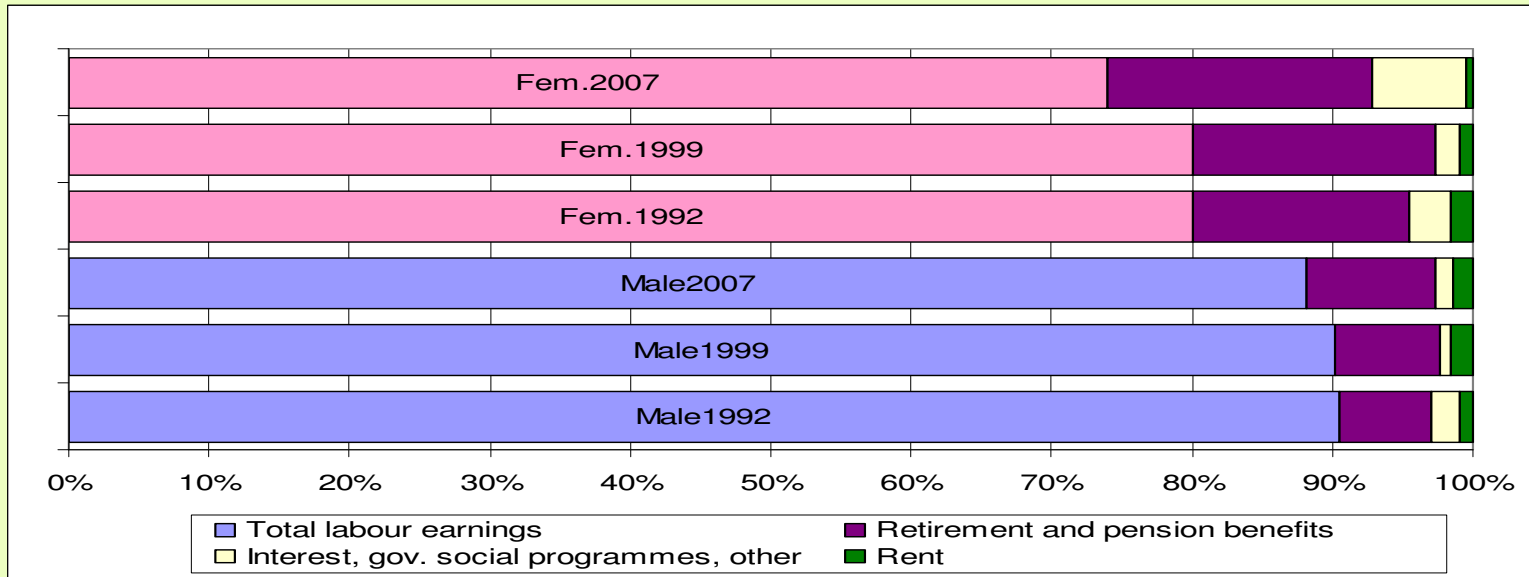
	Primary job (agriculture)	All labour sources	All sources	All labour sources, urban residents	All labour sources, rural residents
Female					
1992	0.68	0.70	0.87	0.94	0.58
1999	0.75	0.77	0.96	1.16	0.62
2007	1.04	1.07	1.45	1.26	0.95
Δ %	53.70	53.70	66.40	34.69	64.04
Male					
1992	1.38	1.44	1.60	1.87	1.26
1999	1.37	1.45	1.61	1.90	1.25
2007	1.68	1.75	1.99	2.09	1.57
Δ %	21.00	21.30	24.40	12.20	25.14

Source: PNADs 1992, 1999 and 2007.

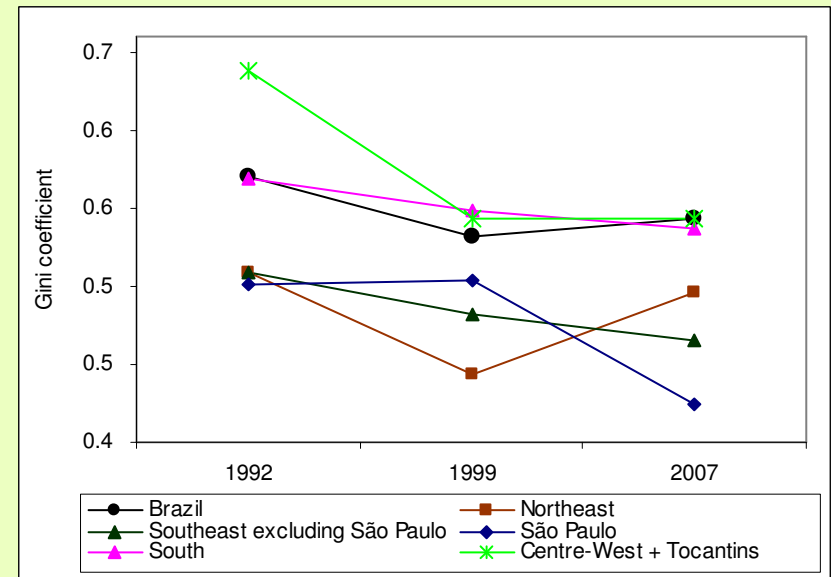
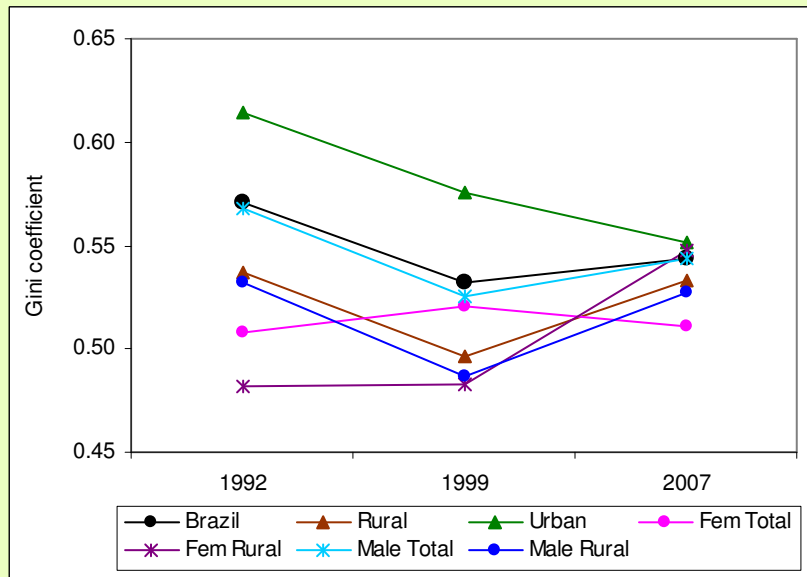
Poverty index FGT(0) for agricultural workers by gender



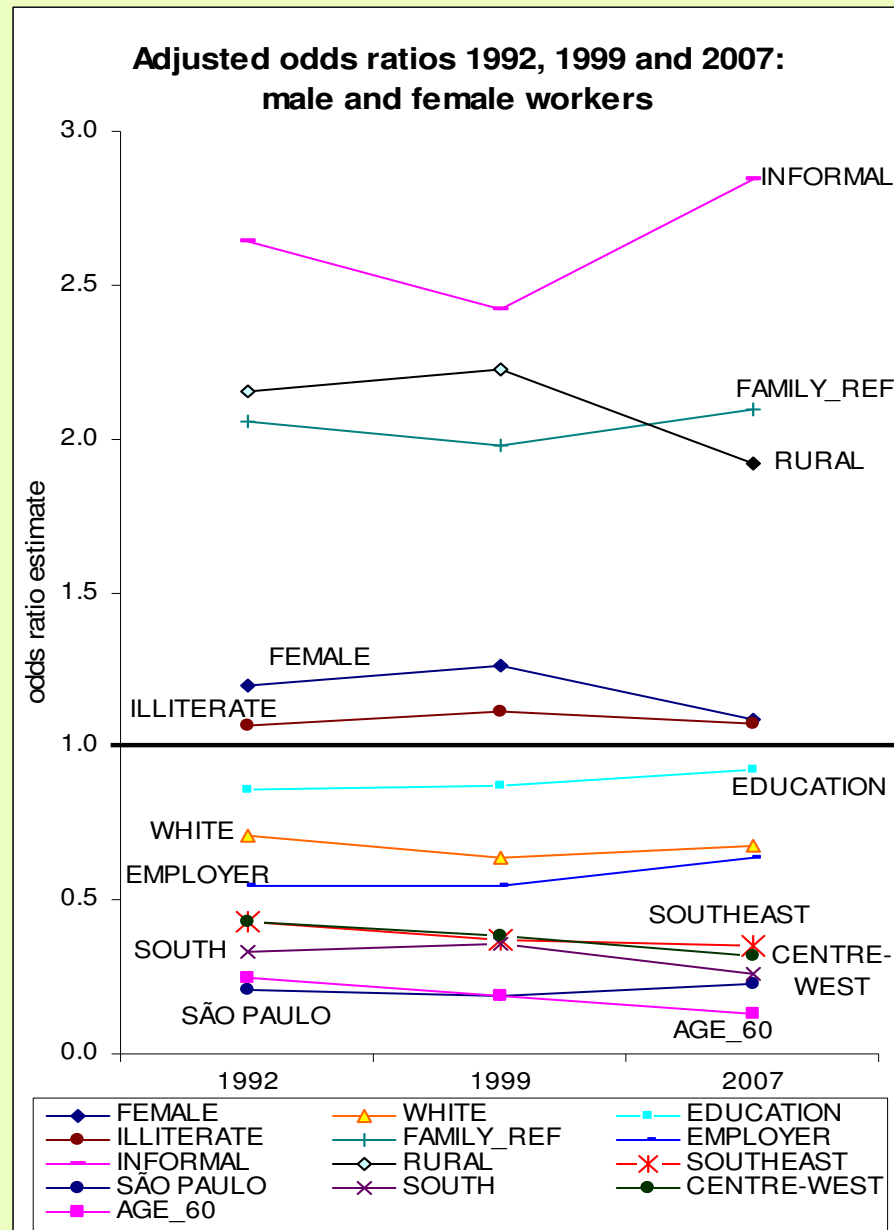
Composition of farm workers' income



Inequality coefficients for agricultural workers by gender



Co-factors odds ratios estimates of adjusted models for the probability of an agricultural worker to be poor. Brazil, 1992-2007.

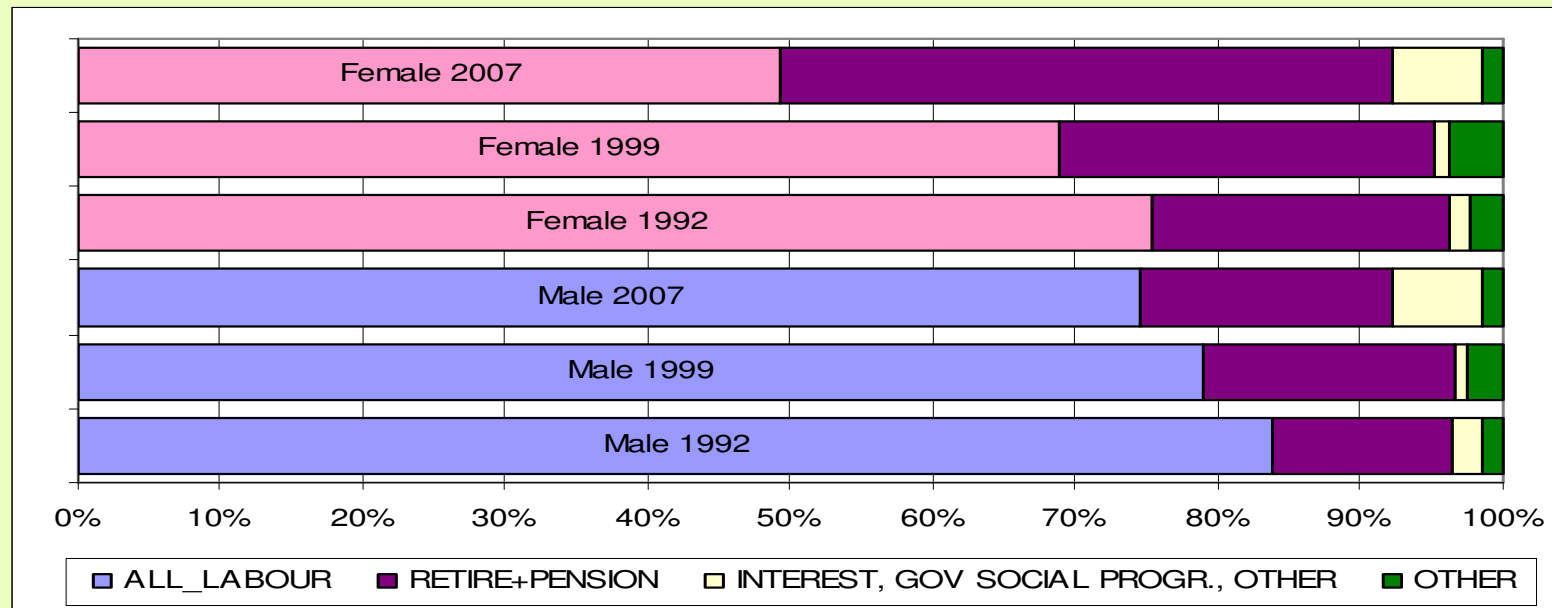


Income composition for agricultural families by gender (min wage)

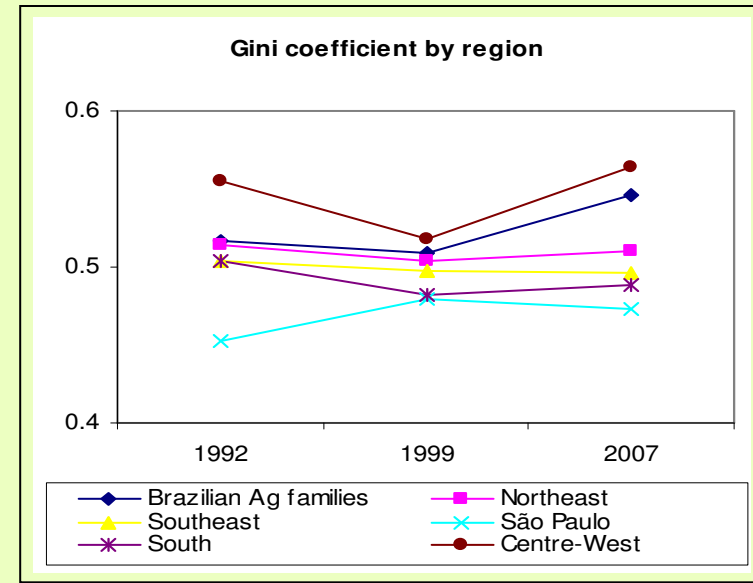
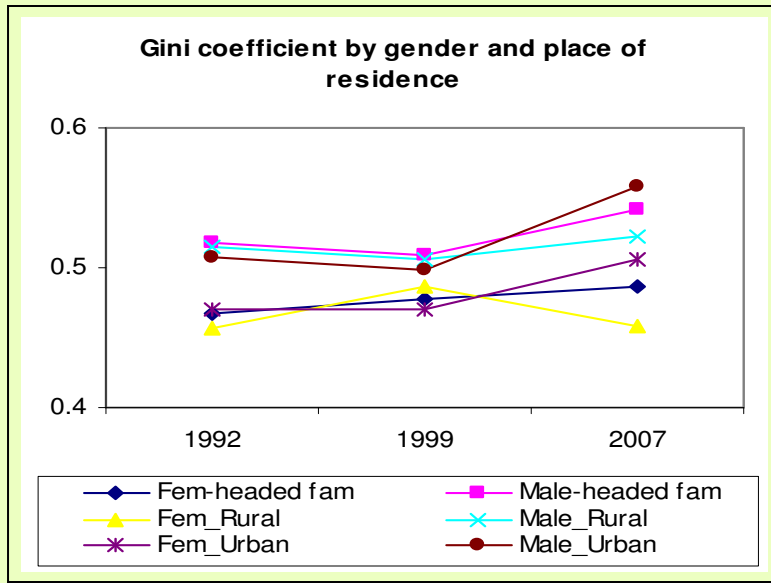
	All labour sources	Pension and retirement earnings	Total family income	Per capita family income
Female				
1992	4.7	1.3	6.2	0.80
1999	4.4	1.7	6.4	0.90
2007	1.2	1.0	2.4	0.83
Male				
1992	5.5	0.8	6.5	0.77
1999	5.1	1.2	6.5	0.86
2007	2.3	0.5	3.0	0.84

Source: PNAD 1992, 1999 and 2007.

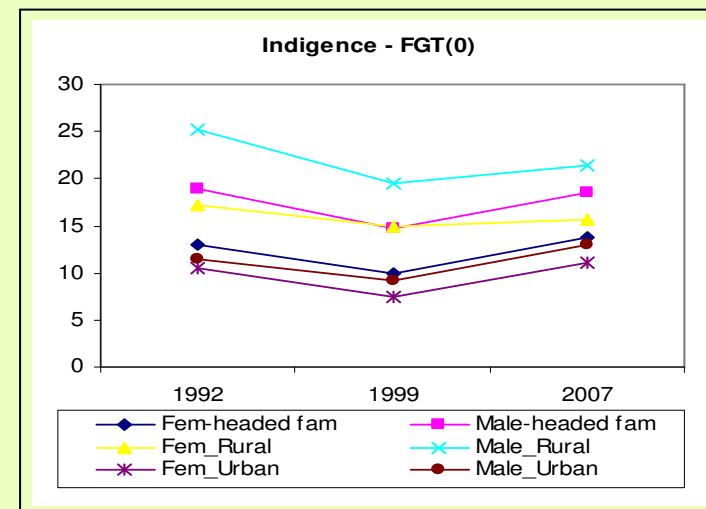
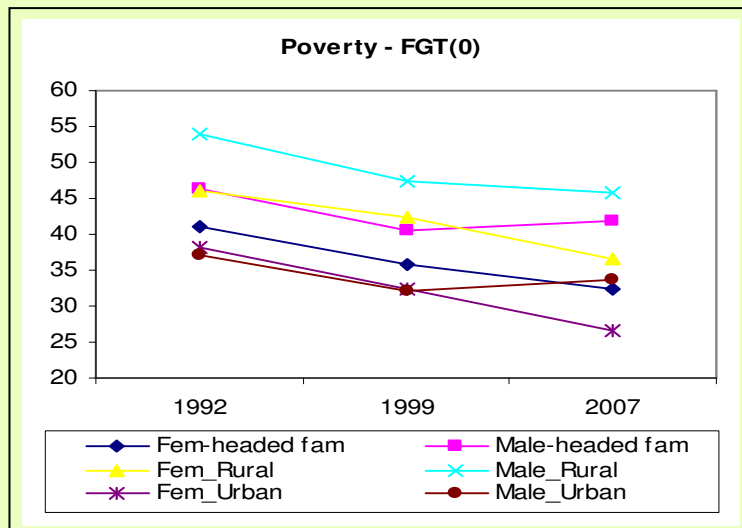
Agricultural family income composition by gender of the head of family



Inequality coefficients for agricultural families by gender. Brazil.



Poverty and indigence indexes for agricultural families by gender of the head of family.



FINAL REMARKS

- Up to now, the investigation has shown some tendencies for the occupied persons and families in Brazilian agriculture.
- The main pathways out of poverty in Brazil has been the government social policies and non-labour sources of income
- But there is a necessity of new strategies through local arrangements and labour market to accomplish decent work in Brazil.
- These are suggestions of research subsidies to help understanding the phenomenon and guidance policies towards poverty in Brazil:
 - Further investigations are needed specially focused on the Northeast (because of the significant presence of agricultural families). More insights can be obtained increasing the number of years under study.
 - Investigate Brazilian rural individuals/families to complete this analysis .
 - Further analysis of changes in Brazilian productive structure, specially focused on female participation.
 - Study non-agricultural sources of income and the role of pluriactivity as a poverty determinant;
 - In depth analysis of some specific social policies to evaluate their effectiveness in fighting poverty.

- Thank you