



Framing elements for the 2019 Rural Development Report

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Presented at opening session of IFAD RDR 2019 authors' workshop

IFAD Headquarters, Rome

March 15, 2018



Outline

- Research questions
- What will be new in the 2019 RDR?
- Framing the topic:
 - Structural/rural/diet transformations
 - The speed of change
 - New sources of change
- Why focus on youth now?
- Why focus on *rural* youth now?
- A typology of rural youth opportunity

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 - Example from Tanzania

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Research questions



- ▶ **How are rural youth and their families currently engaging with the economy?** (*Sectoral and functional distribution of economic activity*)
 - ▶ How do patterns of engagement vary across regions, countries, and sub-regions?
 - ▶ How do economic outcomes vary by mode of engagement?



Research questions (2)

- **Key dynamics of change affecting the distribution of opportunity for rural youth**
 - Quantitatively or qualitatively different from previous youth cohorts
 - Do the dynamics differ meaningfully across regions, countries, and sub-regions?
- 



Research questions (3)

- **Given 1 and 2 above, how do we expect youth opportunity set (including challenges) to change?**
 - Where, sectorally and functionally, are the opportunities likely to be found in 2030?
 - How will the challenges and opportunities *within* each opportunity area be different?
 - What new skills, attitudes, and assets will be needed?



Research questions (4)

- ▶ **Where can policy and programmatic investment make a difference?**
 - ▶ To improve opportunities, help rural youth grasp them
 - ▶ What are the best ways to help youth develop the new skills that will be needed over the next 1-2 decades?
 - ▶ Are there particular policy approaches that are likely to create greater opportunity for rural youth?
 - ▶ What role for enhanced youth participation in processes of policy- and program design?



What will be new in this RDR?

- ▶ Strong conceptual approach linked to micro data analysis & broader empirical content
- ▶ Global focus
- ▶ Detailed consideration of key drivers of change and their impact on youth opportunity set
- ▶ Combination of cross-cutting issues relevant for understanding the opportunity space for youth
- ▶ Tying conceptual approach and empirical analysis to differentiated policy- and programmatic recommendations



Framing the topic



Transformation in era of rapid technological change

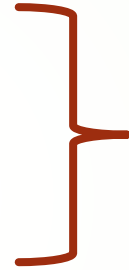
- Structural transformation
- Ag/rural transformation
- Diet transformation

- (1) People can only eat so much food
- (2) They may be hard-wired to crave energy dense foods (carbs, fats, sugars) and salt
- (3) Sophisticated capitalist economic systems take advantage of these characteristics



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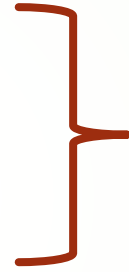
A common biological basis drives robust and inter-related patterns of change

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Transformation in era of rapid technological change (2)

Can only eat so much food ...

- ▶ So as productivity rises:
 - ▶ Food → more food → “better” food → very little add'l food
(more non-food → still more non-food → only more non-food)
- ▶ Economic activity follows consumer demand off the farm, and progressively out of the agrifood system
- ▶ Engel's Law and Bennett's Law
 - ▶ With the latter turbo-charged by modern food companies

Transformation in era of rapid technological change (2)

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*Most countries we focus on
are well into transition to
“better food” phase ... huge
opportunities & challenges*

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Transformation in era of rapid technological change (3)

- The challenges to SHFs and rural SMEs in the “better food” phase
 - Services and attributes embedded in food
 - Making food easier, more reliable, and more desired
 - Timeliness, reliability, “quality”, safety, desirability
 - Food science and branding to create new demand and drive loyalty
- These are already being felt, and in increasing pace, in Africa
- Well advanced nearly everywhere else
- SHFs and SMEs have a very hard time competing



New dynamics of change

(Purposefully casting the net wide)



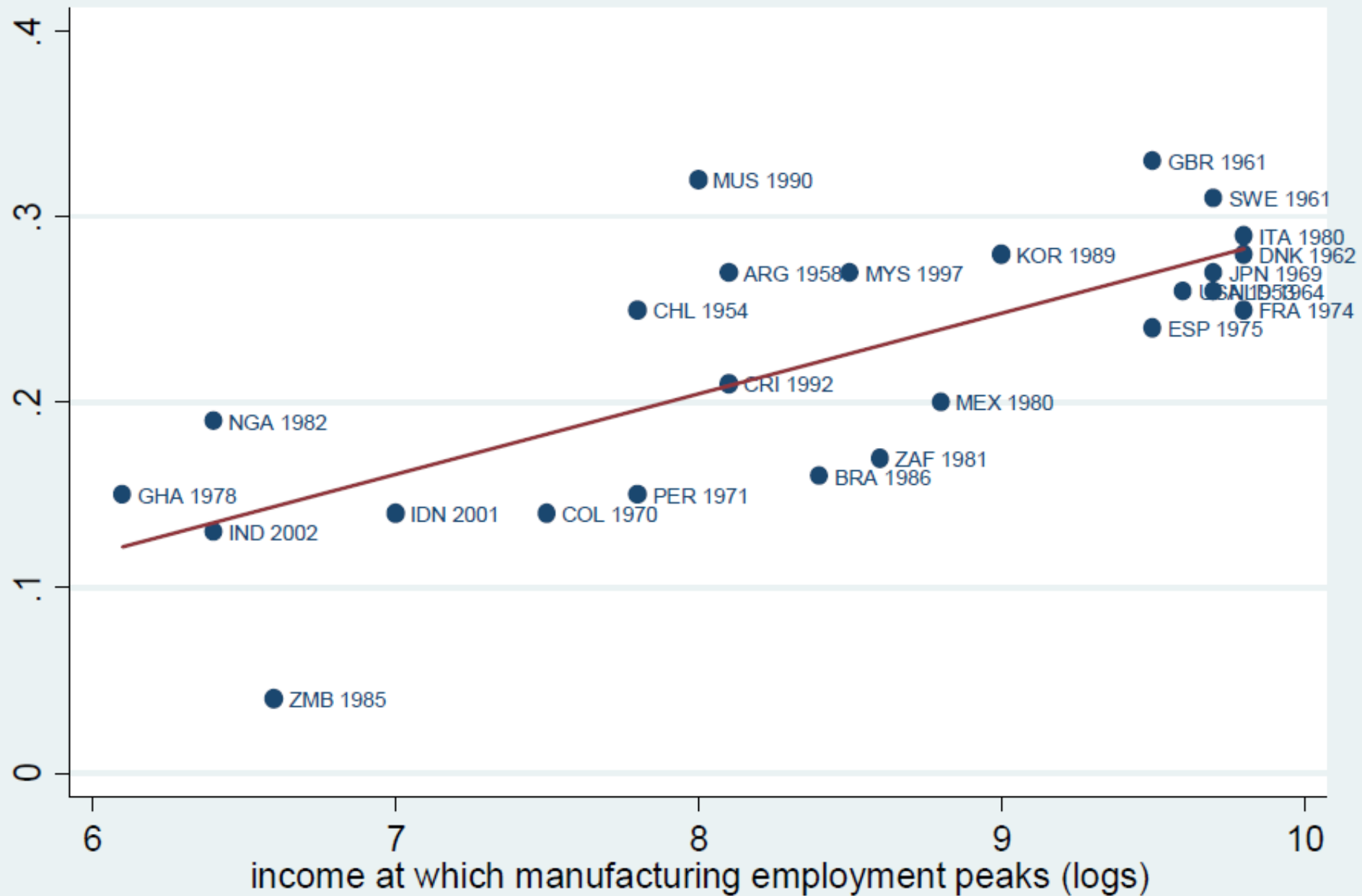
#1. Intelligent automation & employment de-industrialization

- ▶ Why focus on manufacturing?
 - ▶ “Unconditional convergence” of labor productivity to world standards based on technological advance
 - ▶ Competitive pressure + unlimited (export) market
 - ▶ Not as clear that formal services have this
 - ▶ Manufacturing also spurs growth in formal services
- ▶ Why focus on formal?
 - ▶ Technology → rising labor productivity
 - ▶ Stability, social benefits

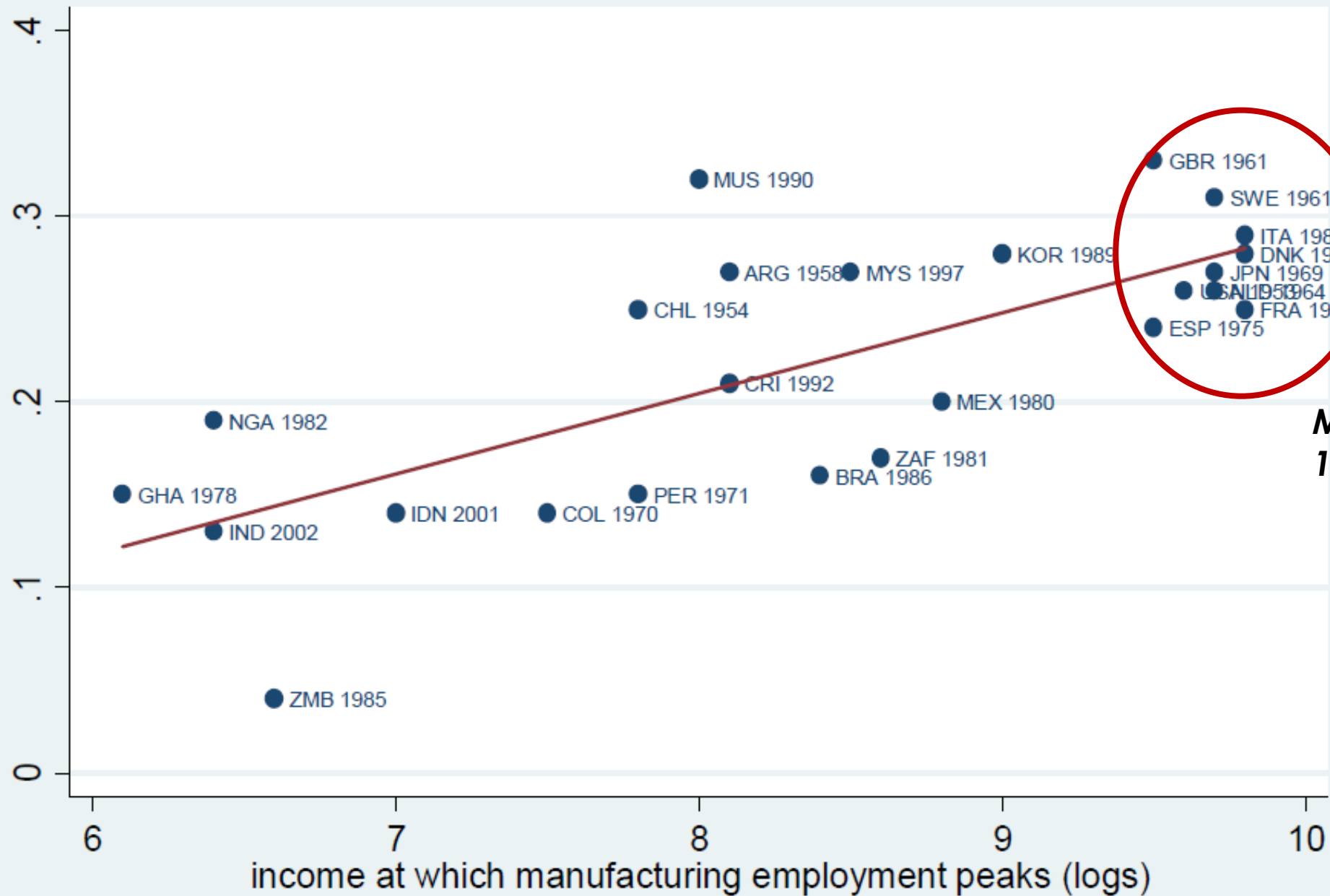


#1. Intelligent automation & employment de-industrialization (2)

- ▶ Value added deindustrialization = decline in share of manufacturing in GDP
 - ▶ In part a natural result of income growth, as more consumer expenditure goes into services
- ▶ Employment deindustrialization = decline in share of manufacturing in total employment
 - ▶ Starts earlier and has proceeded much faster
 - ▶ Figure from Rodrik

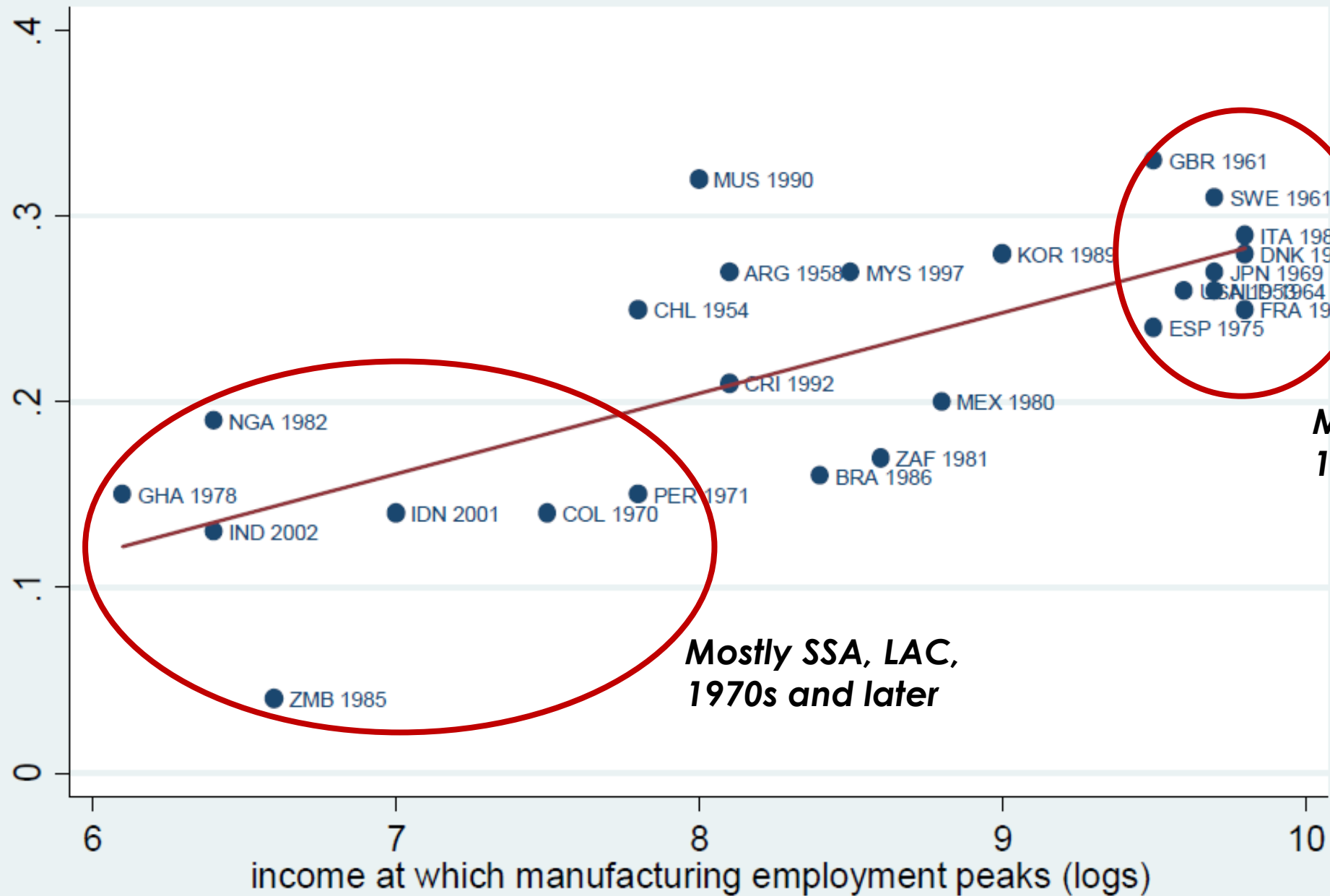


● peak manufacturing employment share — Fitted values



*Mostly OECD,
1960s and 70s*

● peak manufacturing employment share — Fitted values



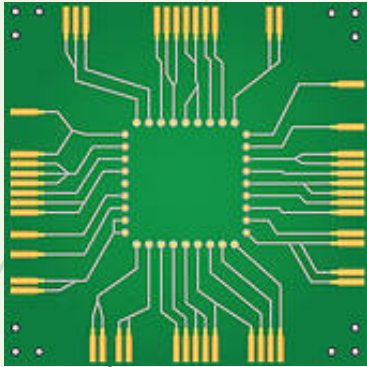
*Mostly OECD,
1960s and 70s*

*Mostly SSA, LAC,
1970s and later*

● peak manufacturing employment share — Fitted values

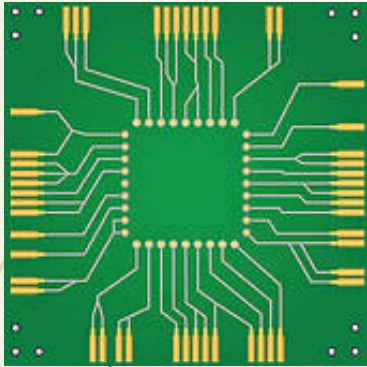
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**Factor of
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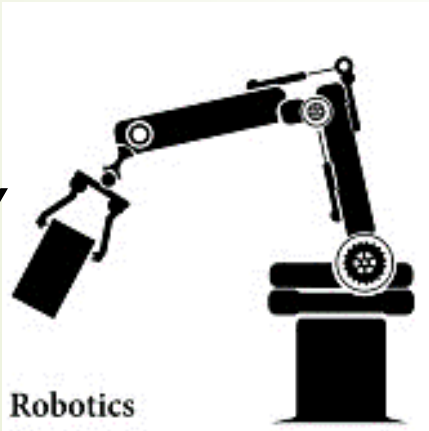


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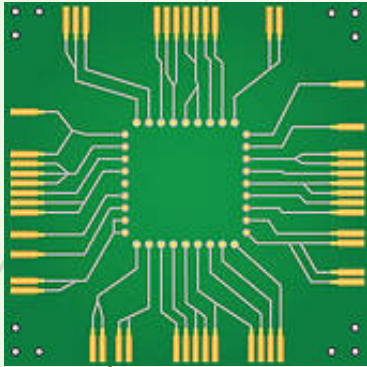


**Constantly
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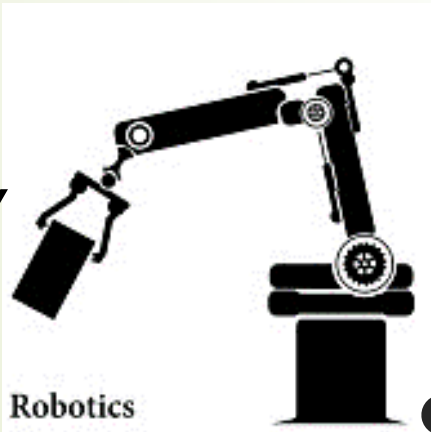


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**Constantly
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**Everything we
do is now data**



1. Intelligent automation & employment de-industrialization (4)

- Impact on **level of employment** – much debate
 - Will the technology be (for the first time) primarily a substitute?
 - Or (once again) primarily a complement?
 - Substitution can be **seen**, complements have to be **imagined**
 - Yet concern in many quarters is **intense**
 - Even if a complement, is it possible to prepare most human beings for the high-skill jobs that could be created?
 - Rural youth may be at the biggest disadvantage
- Impact on **composition of jobs** – clear evidence
 - Decline in routine manual jobs, now advancing rapidly into service jobs

1. Intelligent automation & employment de-industrialization (5)

- Impact on **quality of jobs** – clear evidence in developed economies (U.S. and Europe)
 - The ***missing middle*** → labor market polarization, more inequality
 - Increased instability of employment
 - Less full-time employment
 - Declining social benefits



1. Intelligent automation & employment de-industrialization (6)

➤ Why does this matter?

➤ African labor coming off farm now going largely into self-employed services

- Even China's mfg employment peaked well below those of OECD
- Formal wage jobs In Vietnam only 24% of employment

➤ Issues

- How to raise labor productivity?
- How to enhance the stability and security of employment?
- How to deliver social benefits?



#2: Globalization of information, aspirations, and values

- Communications revolution + global trade
- Effects on
 - Diet transformation – happening much earlier
 - Rural youths' work- and political aspirations
 - Views of gender roles ... and perhaps reaction against this
- Nearly free access to cutting edge technical information
 - For those with web access!
 - May facilitate entrepreneurial response
 - But extent to which rural youth will respond will vary across and within countries



#3: Rise of digital giants

- Google, Amazon, Facebook, Apple, Microsoft, Alibaba, others
- Massive economies of scale and scope
 - Amazon started as an online book seller
 - Google a search engine ...
 - Etc
- Perhaps distant from urgent concerns in SSA??
- Already major force for youth in Asia and Latin America



#3: Rise of digital giants (2)

- ▶ What impact on local small and medium enterprises, and even independent local large companies?
- ▶ What implications for youth employment?
 - ▶ Intelligent automation needs a different kind of skilled worker



#4: Blurring lines between rural and urban

- Rising rural population densities
- Rapidly growing secondary cities
- Improved physical & virtual infrastructure

- Changes spatial distribution / gradient of opportunity
- ... And thus the nature of mobility
 - Seasonal migration, commuting, virtual connection to urban ideas and markets




#5: Diet change and the nutrition transition

- Persistence (though declining) of undernutrition
- Rise of obesity & NCDs
- Simultaneous persistence of micro-nutrient deficiency
- Driven by diet change & lifestyle change



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Triple burden of malnutrition



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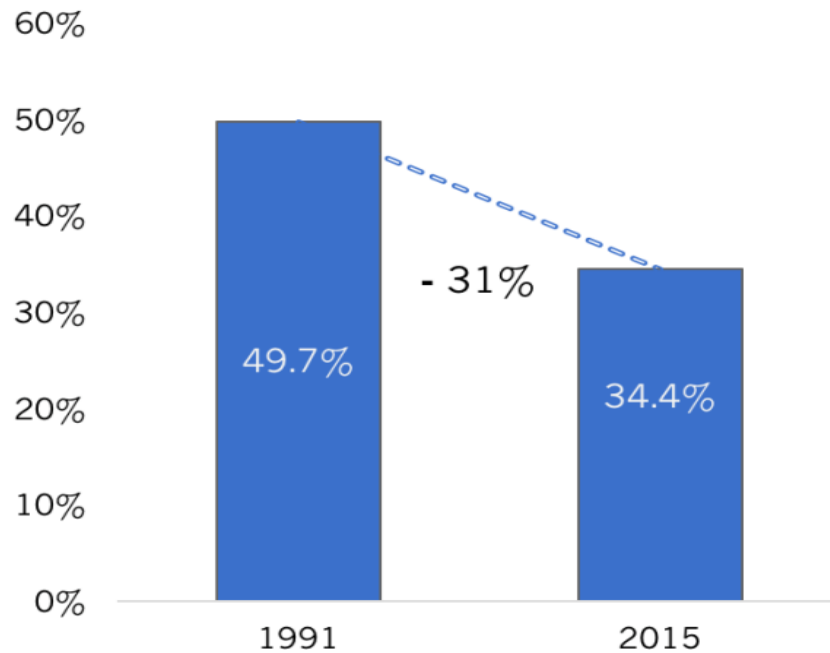


#5: Diet change and the nutrition transition (2)

- ▶ Nowhere on the radar in Asia and Africa 20 years ago
 - ▶ Now major health issue in LAC
 - ▶ Rapidly becoming so in some Asian countries
 - ▶ Definitely on the radar now in Africa

Falling stunting and wasting ...

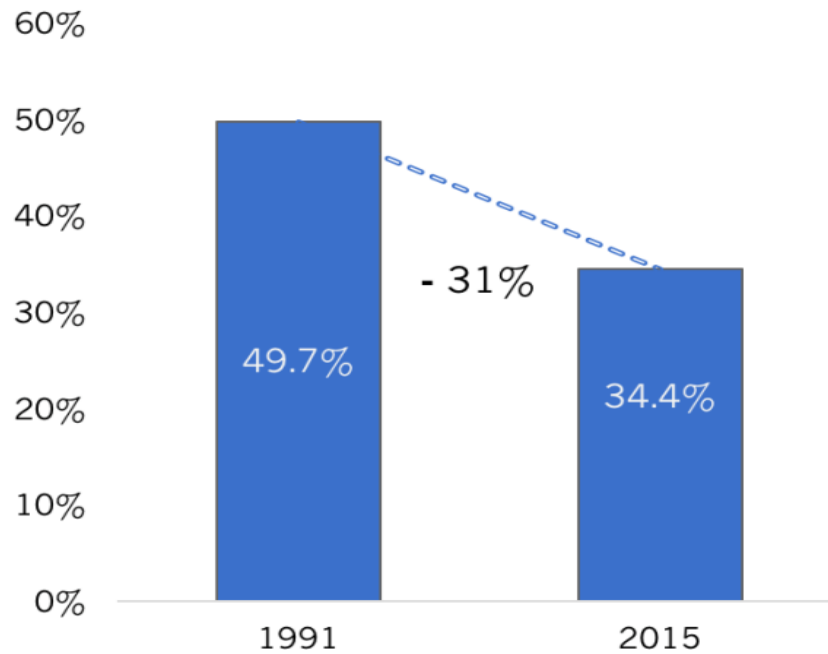
Figure II: Stunting Trends in Tanzania, 1990 - 2015



Source: HLPE

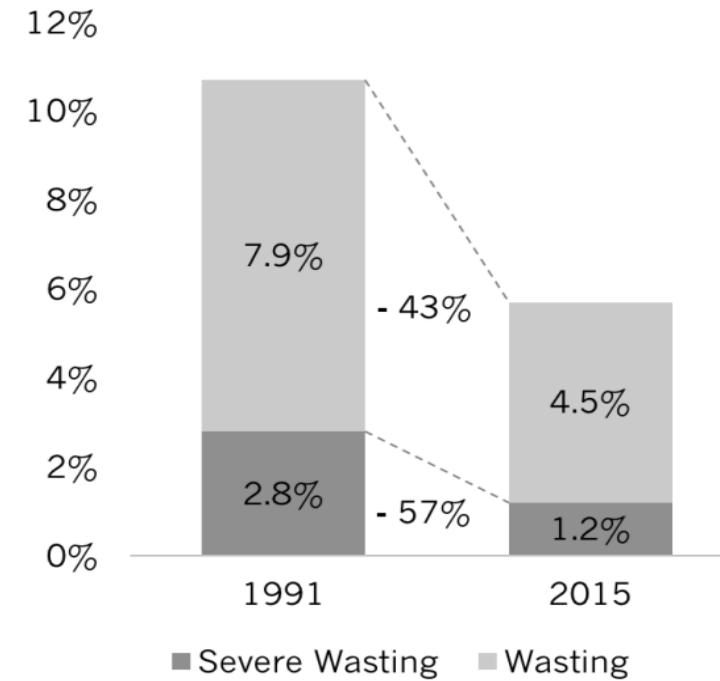
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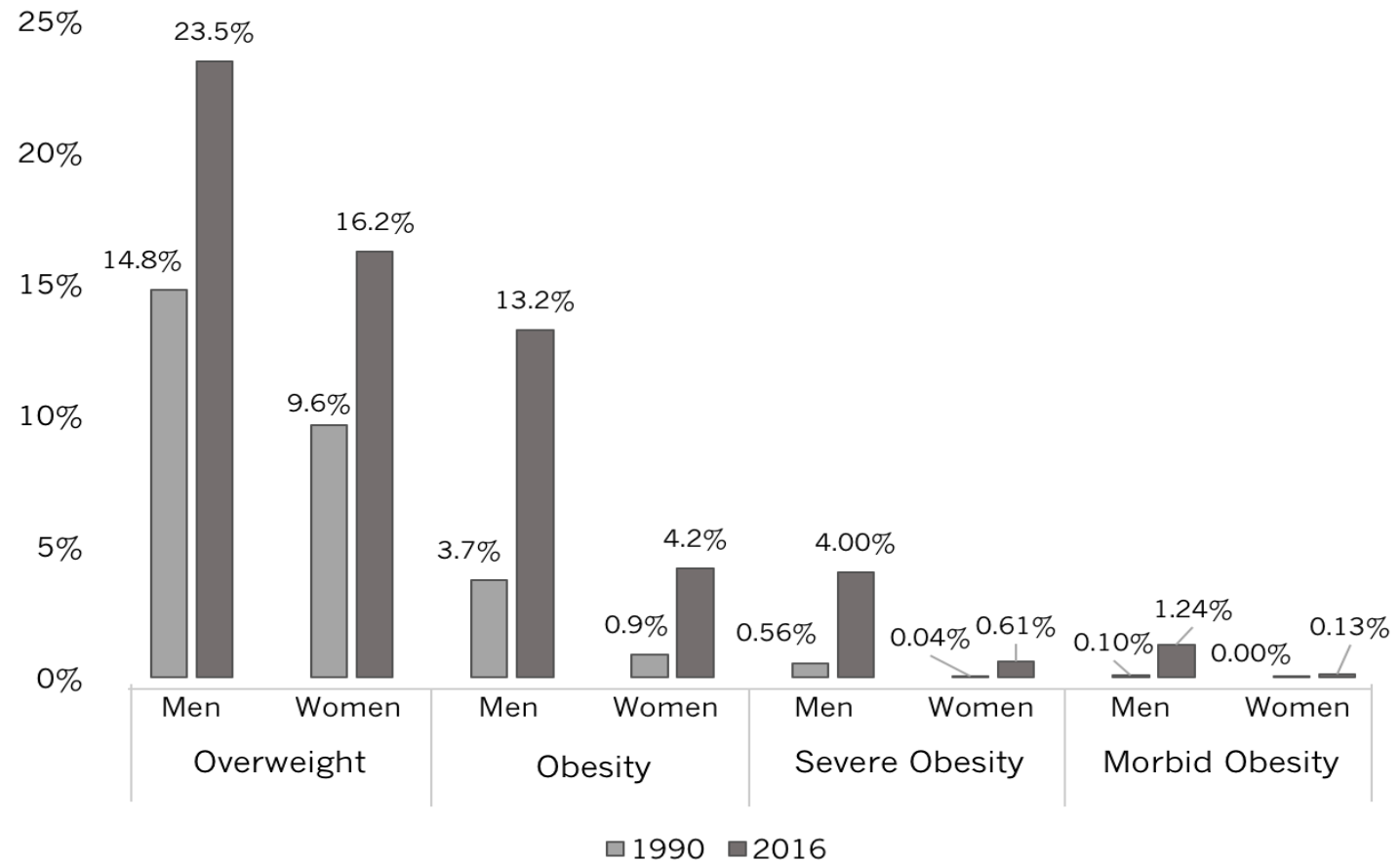
Figure IV: Wasting Trends in Tanzania, 1990 - 2015



Source: HLPE

Rising obesity

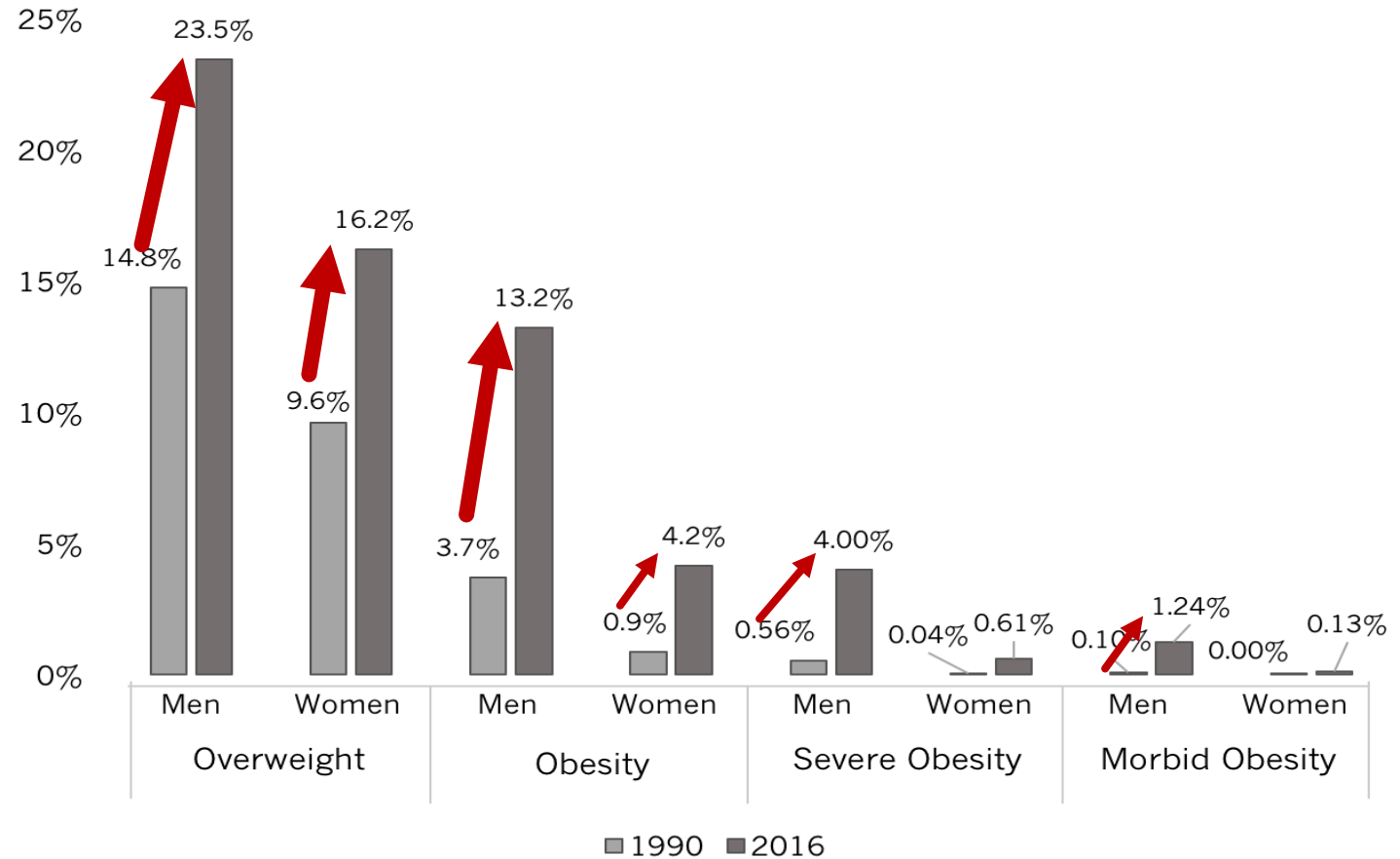
Figure V: Trends in Adult Overweight and Obesity in Tanzania, 1990 - 2016



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Rising obesity

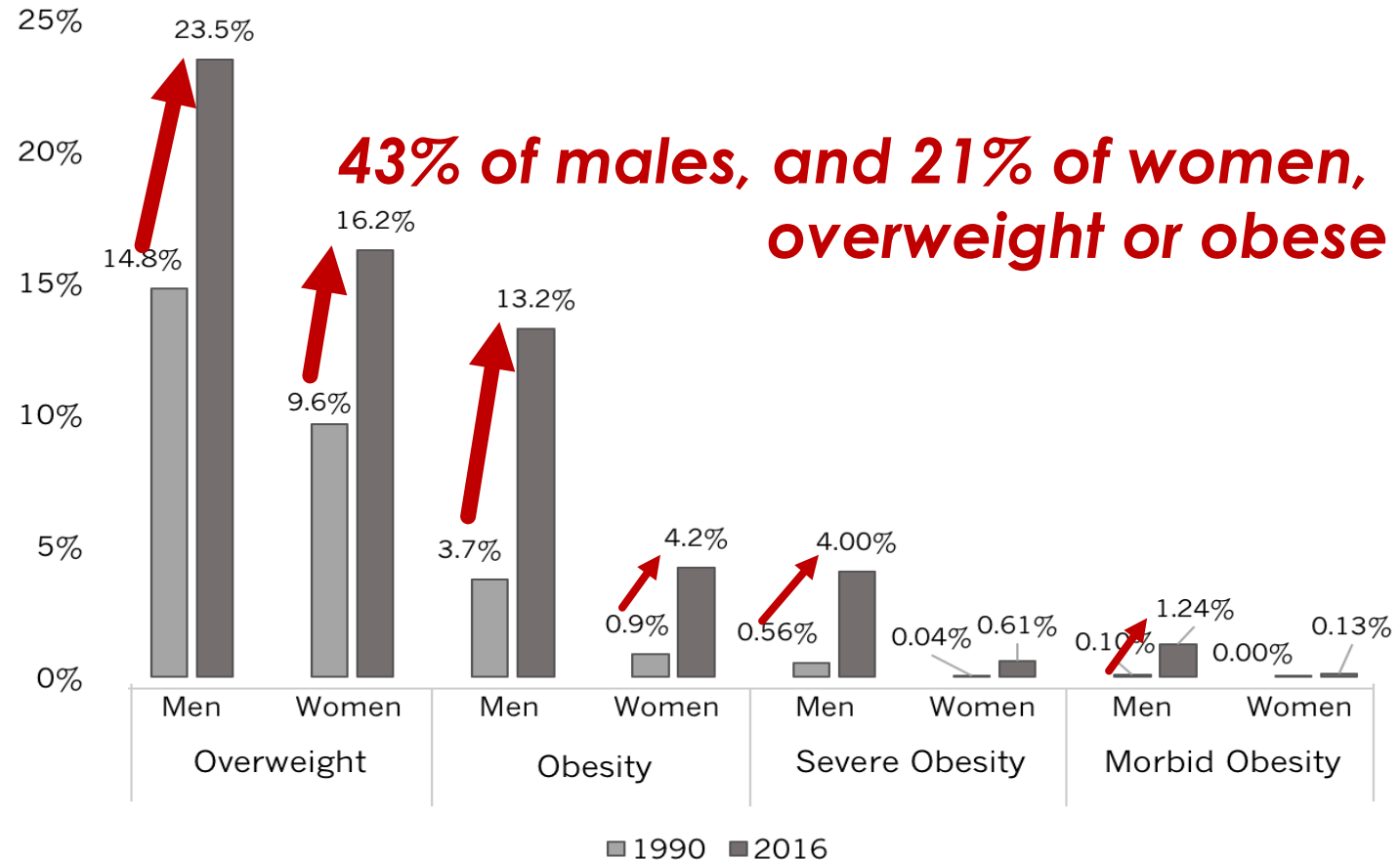
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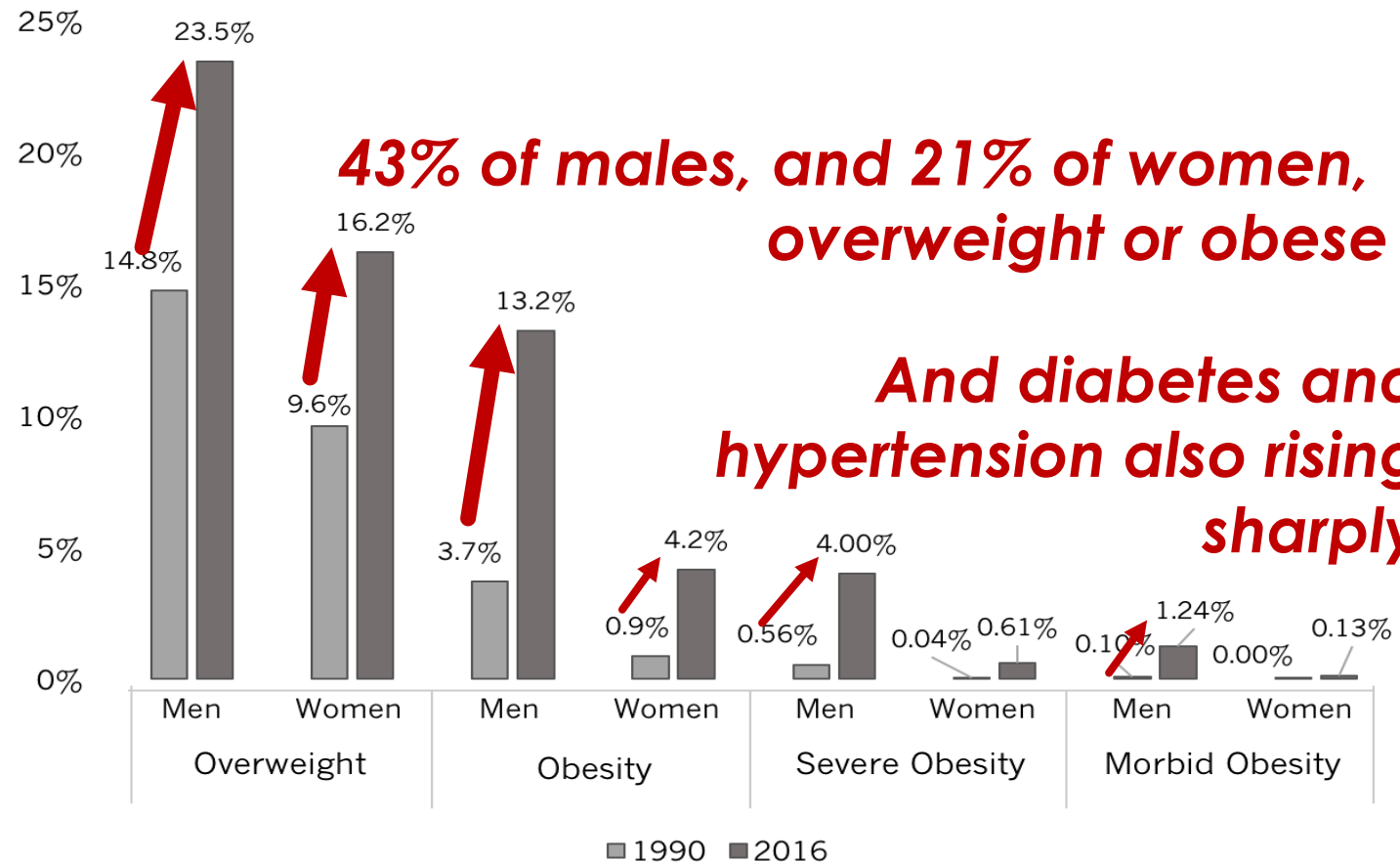
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Rising obesity

Figure V: Trends in Adult Overweight and Obesity in Tanzania, 1990 - 2016



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#6: Medical advances, improved health care, and extension of life

- Avg. life expectancy between 1980 and 2015
 - 48 → 60 years in SSA (minus RSA)
 - 54 → 68 years in South Asia
- Most immediate impact for rural youth
 - Access to land and thus opportunity for a farming future
 - Likely of greatest importance in Africa
 - Farming remains a major (though declining) source of livelihoods
 - Land markets not well developed
 - Parts of South Asia?



#7: Climate change & stress on natural resources

- Increasingly frequent and intense shocks
 - Some directly affect farming through impacts on productive potential
 - Some indirectly through their impacts on infrastructure
 - Others affect livelihoods and food security through changes in prices of staples
- 



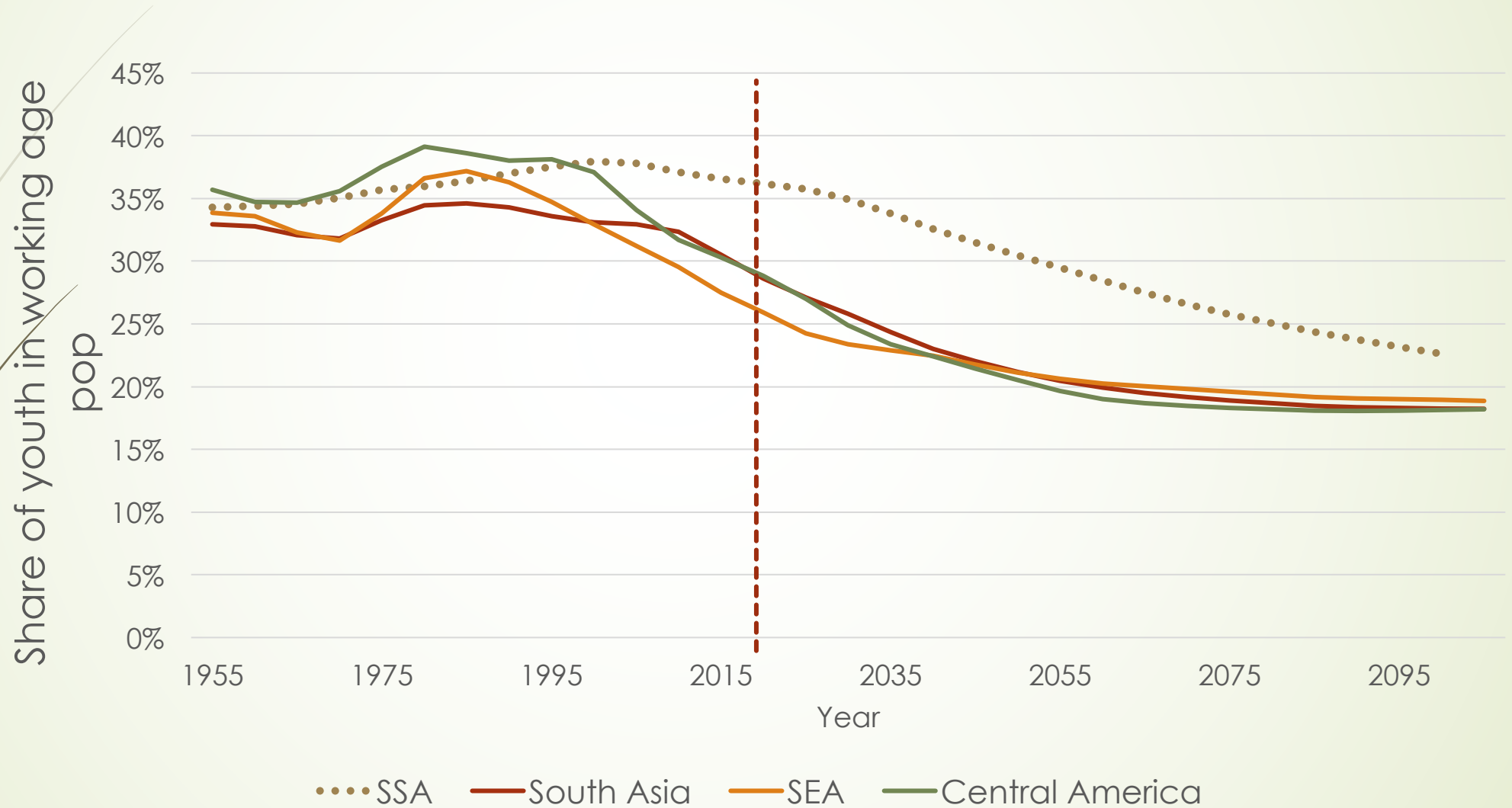
#7: Climate change & stress on natural resources (2)

- ▶ Effects off the farm also, through infrastructure, prices, water scarcity
 - ▶ These effects less well understood and hardly modeled at all
- ▶ Impacts likely most significant in Africa and SEA
 - ▶ Especially for those in early stages of rural and diet transformations
 - ▶ ... and least capable of investments needed to avoid or mitigate

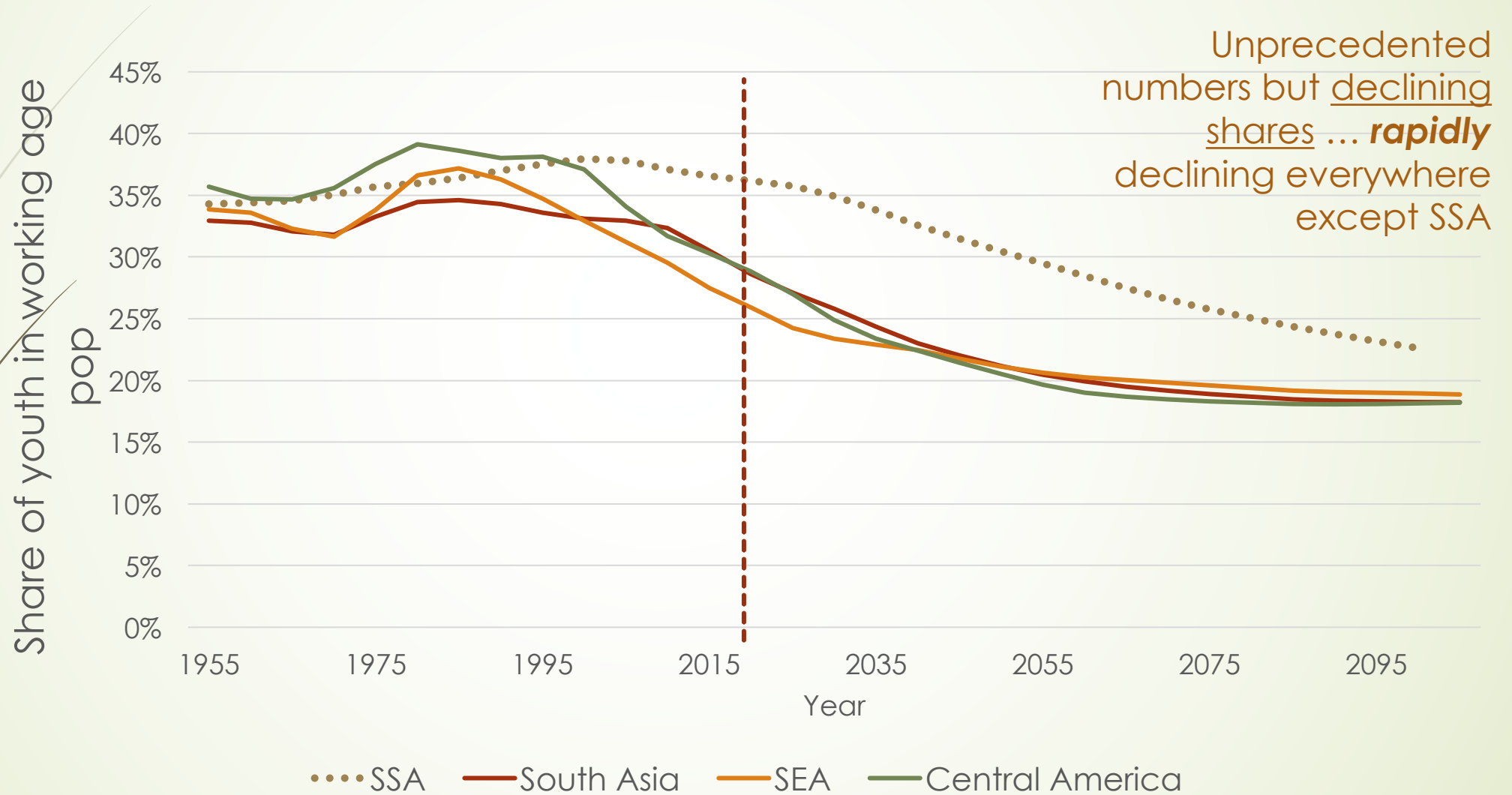


***Why focus on rural youth
now?***

The youth bulge: yes, but ...



The youth bulge: yes, but ...





The pace of change

- Digital technology can spread at a speed and with a scope that physical technology cannot
- And open global trade spreads the effects everywhere
- What are the rules of the game that will work over the next 20 years?
- And **rural** youth may be the least able to grasp opportunities
 - Educational quality
 - Access to the web
 - Ability to interpret the requirements in new markets



Typology of rural youth opportunity space

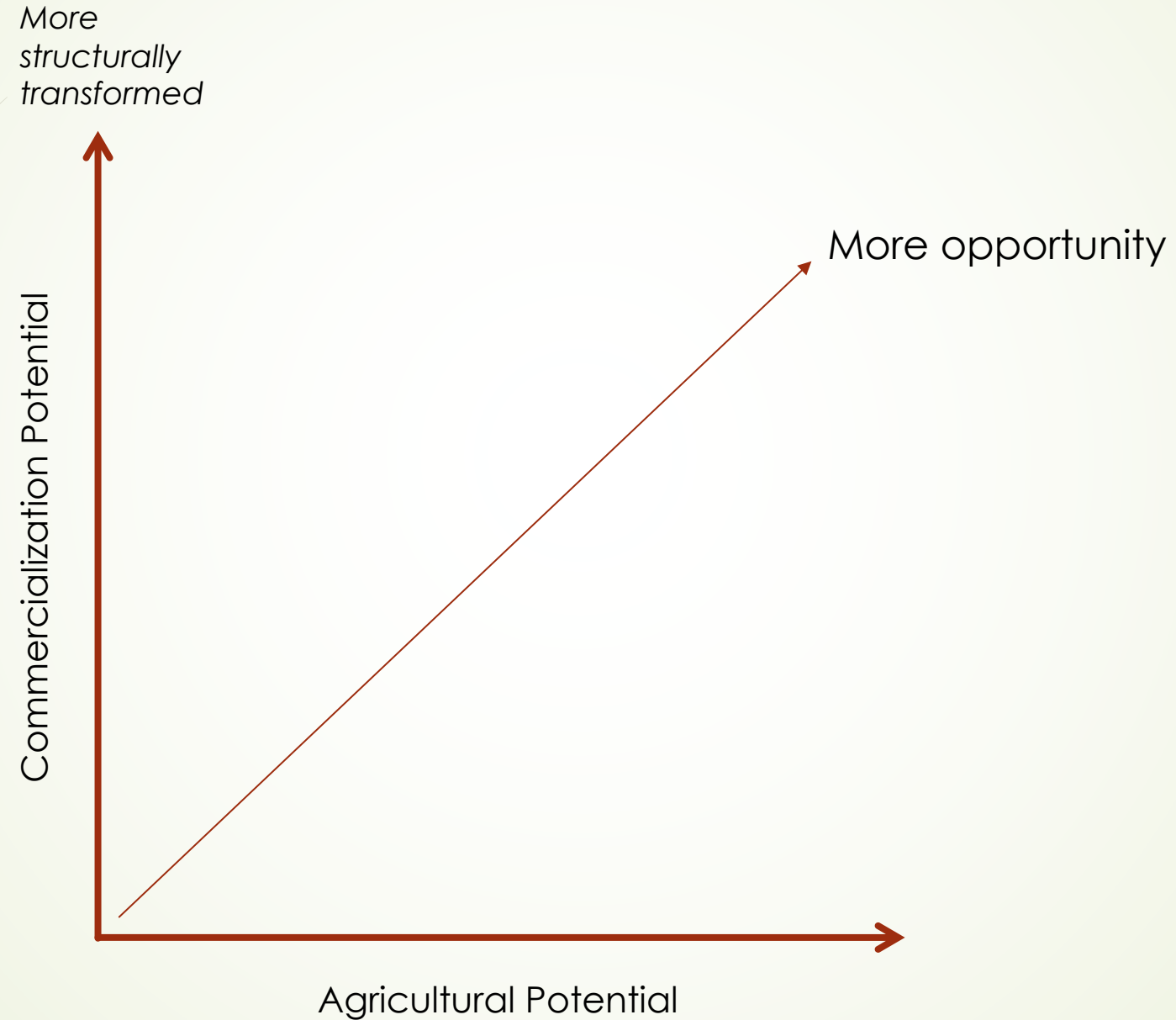


Typology

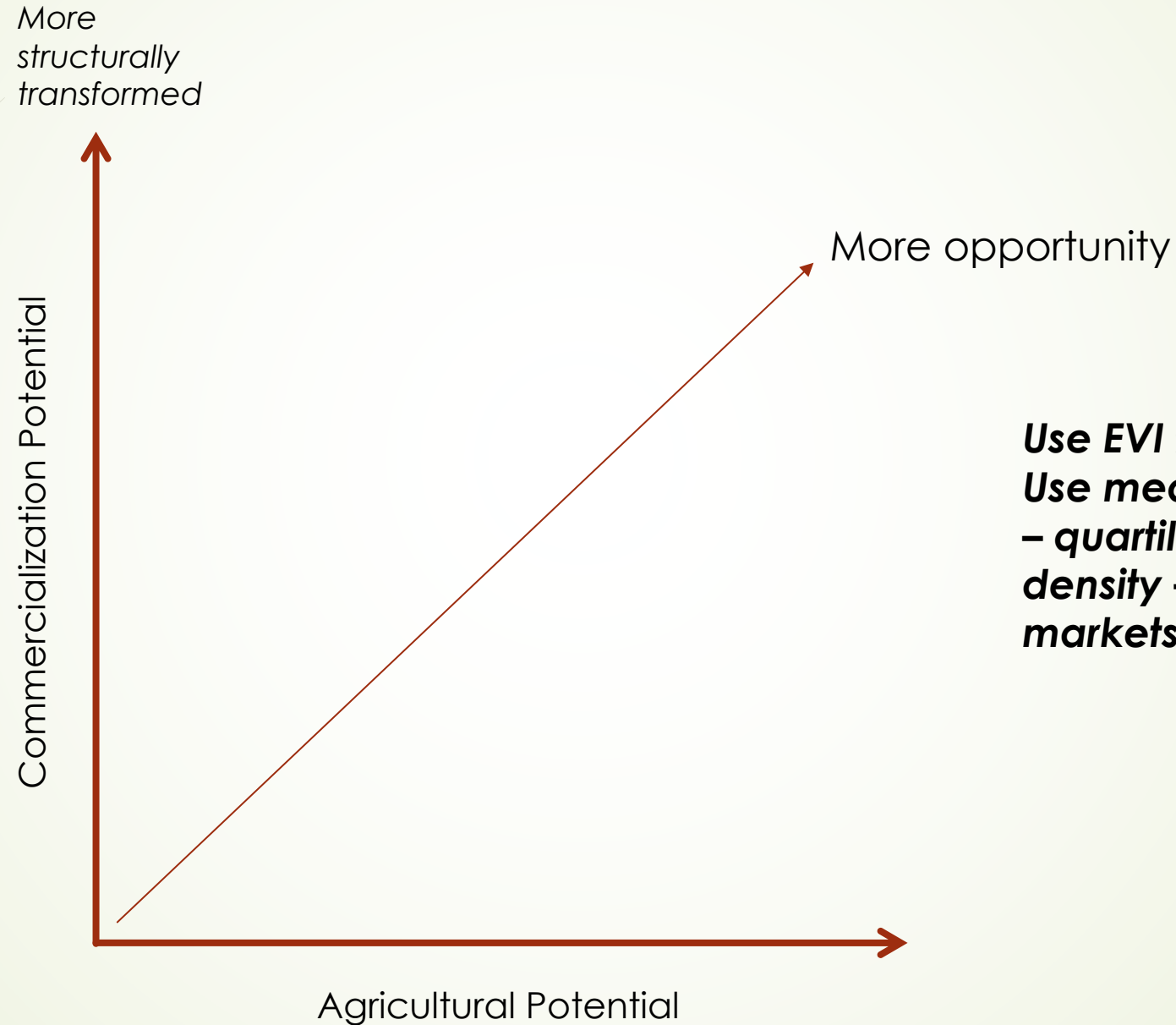


- Place youth and their families in rural opportunity space
 - What might they be doing currently?
- Place them in rural and ag transformation space
 - What are they actually doing?
- Characterize youth and their families within some combination of these spaces
 - Education, assets, specifics of economic engagement
- Draw generalized inferences regarding opportunities & challenges, and about programmatic approaches to helping youth grasp the opportunities

Rural opportunity space

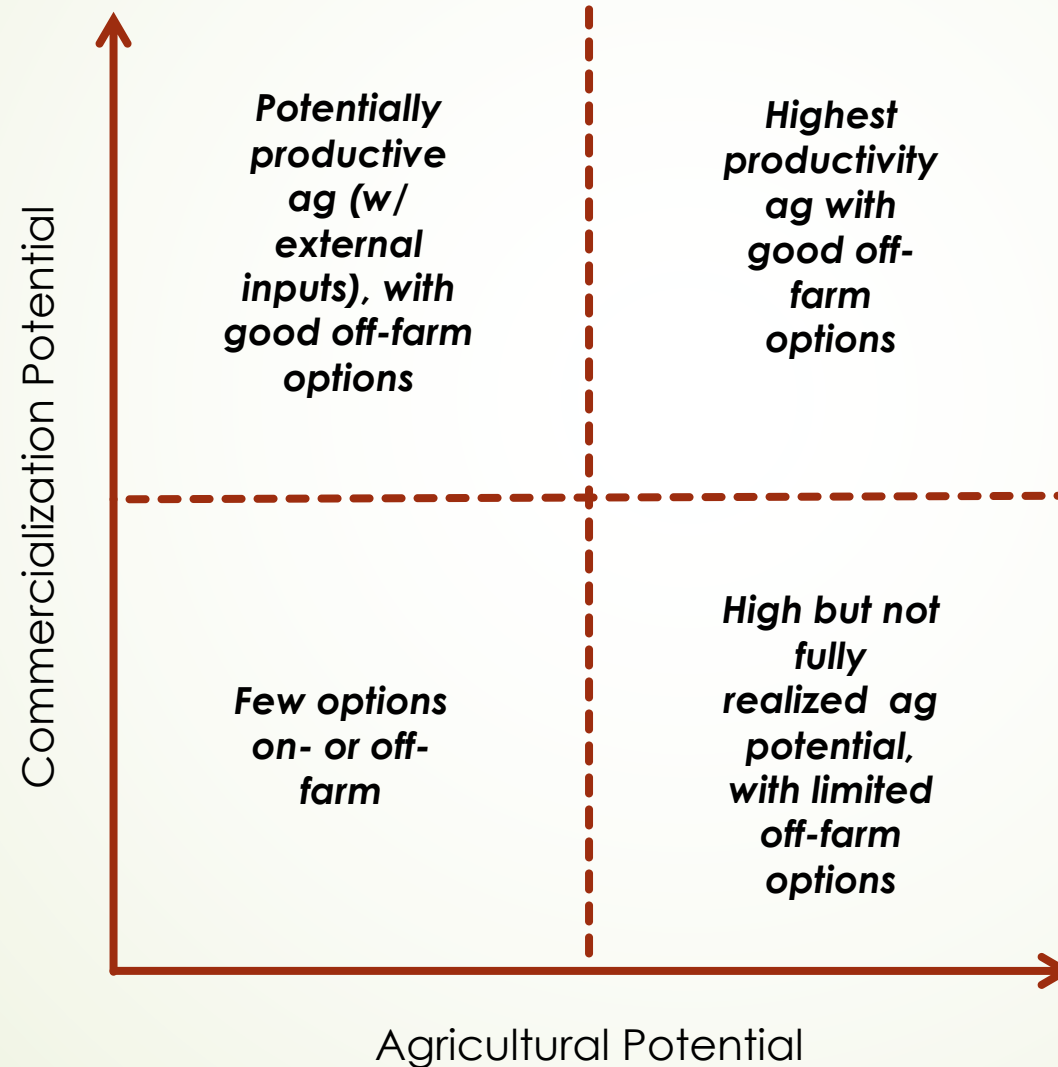


Rural opportunity space



**Use EVI for ag potential;
Use measure of urbanicity
– quartiles of population
density – for access to
markets**

Rural opportunity space

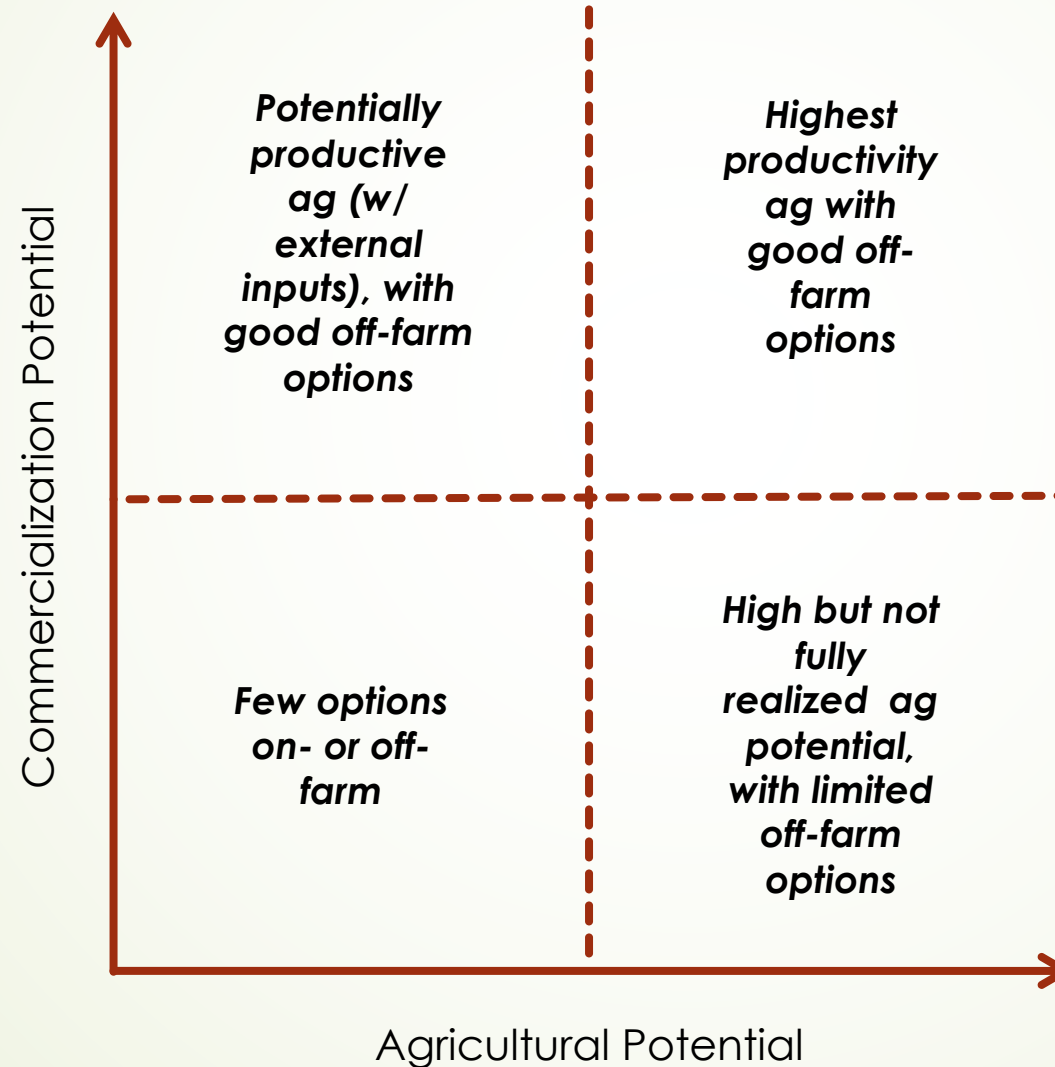


Can make some reasonable predictions about likely activities ...

But relevant missing variables, e.g.

- *land values likely rising with vertical axis*
- *Population density likely rising with horizontal axis*
- *There can be a lot of heterogeneity within these groups*
- *So what are they actually doing?*

Rural opportunity space

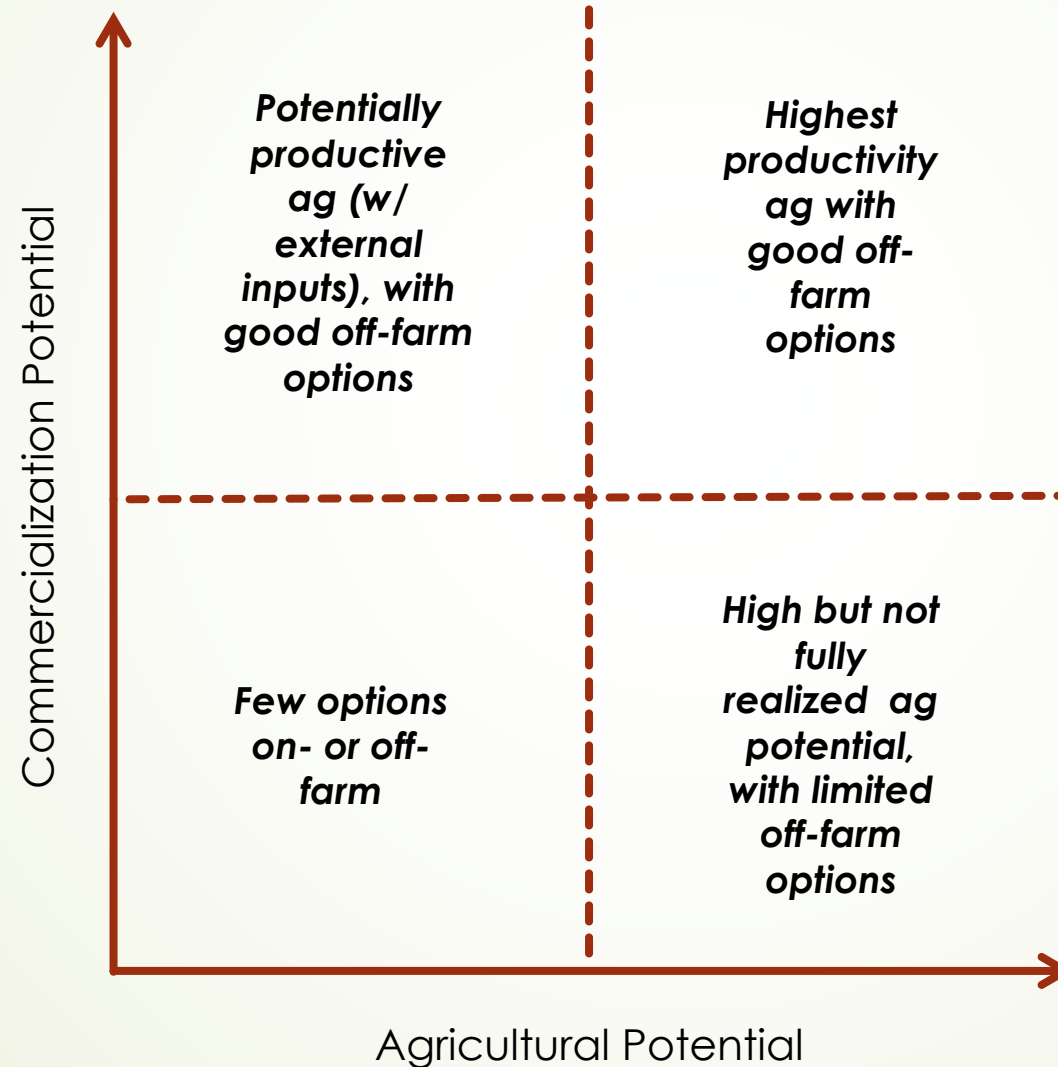


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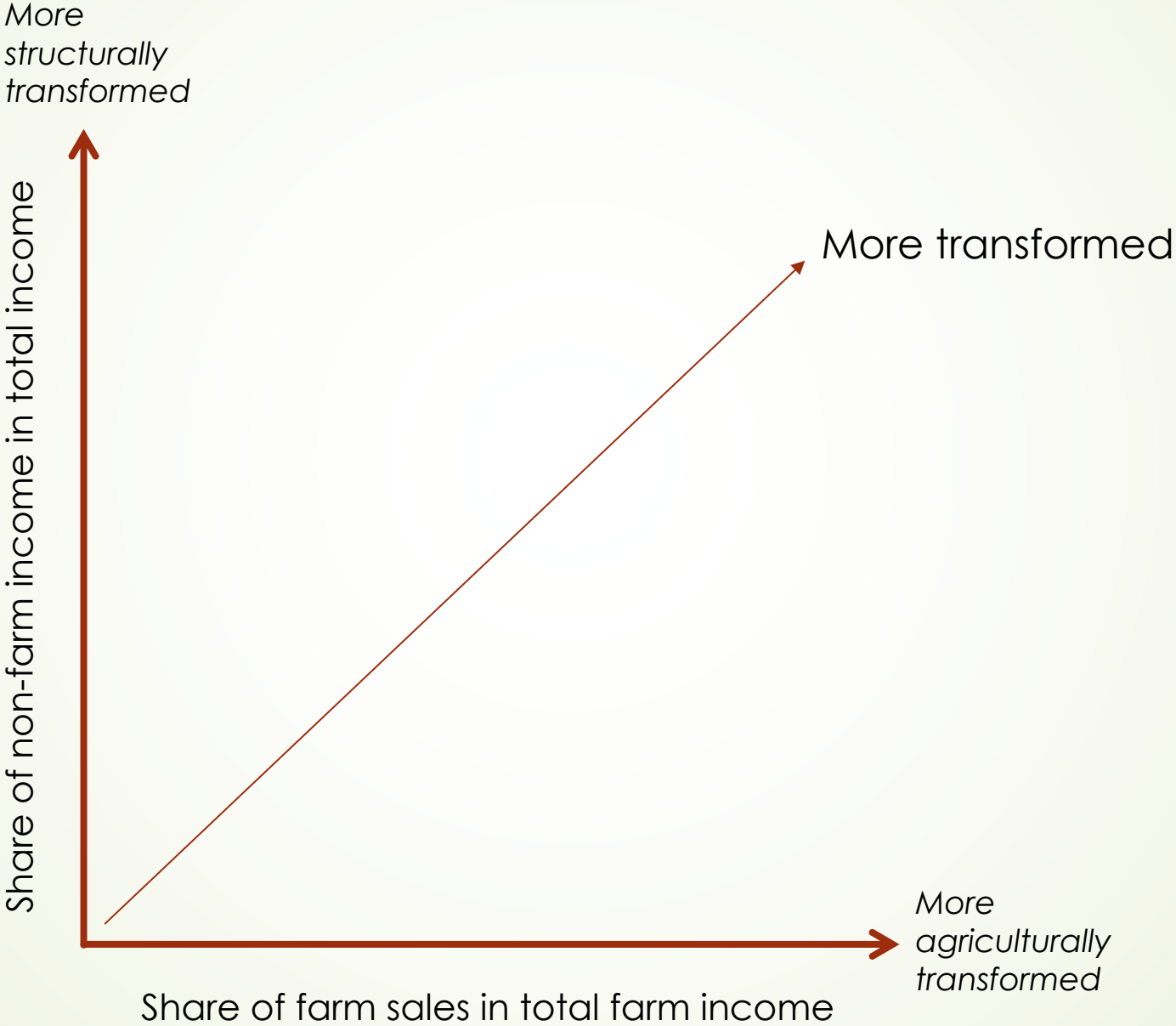


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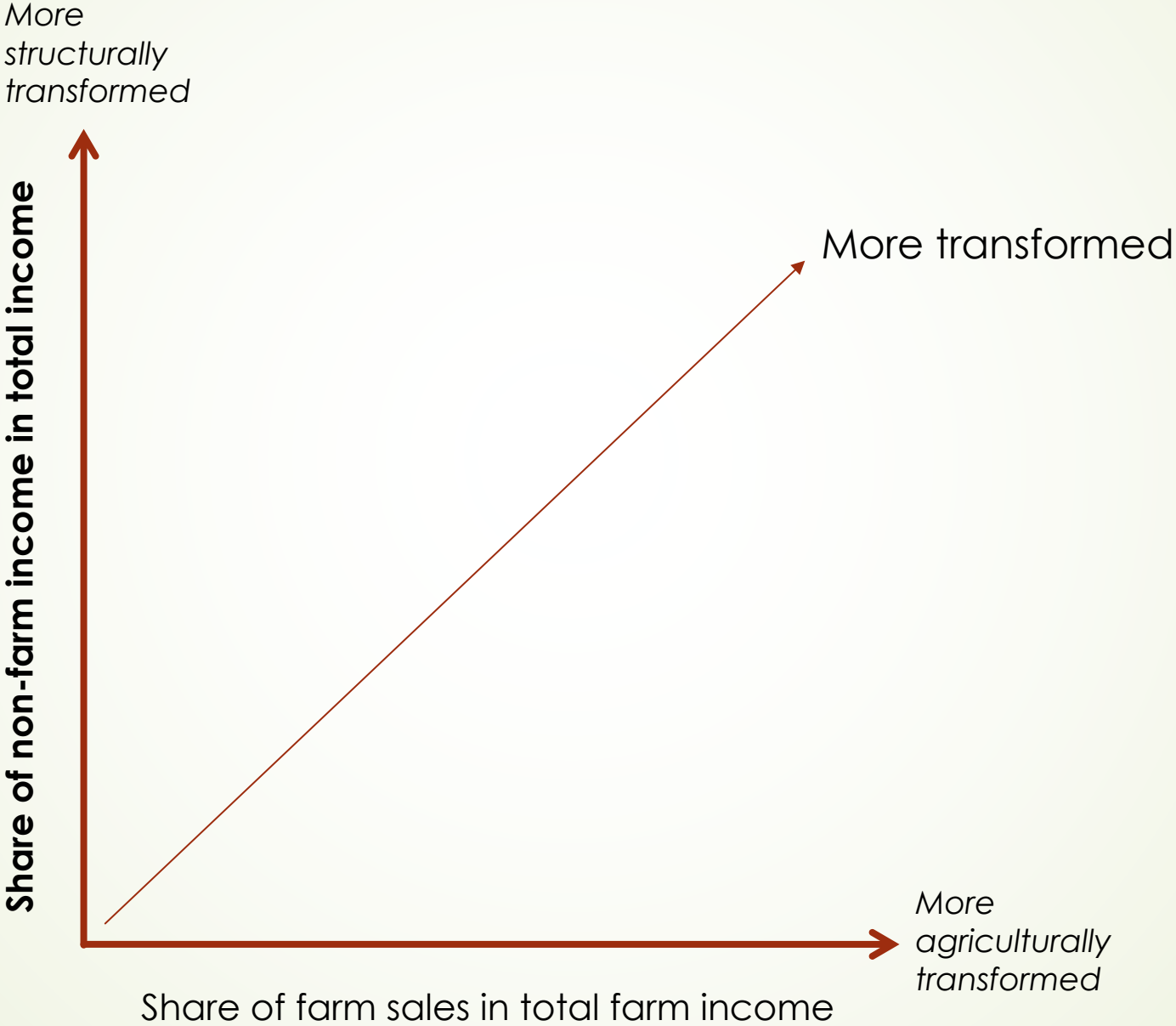
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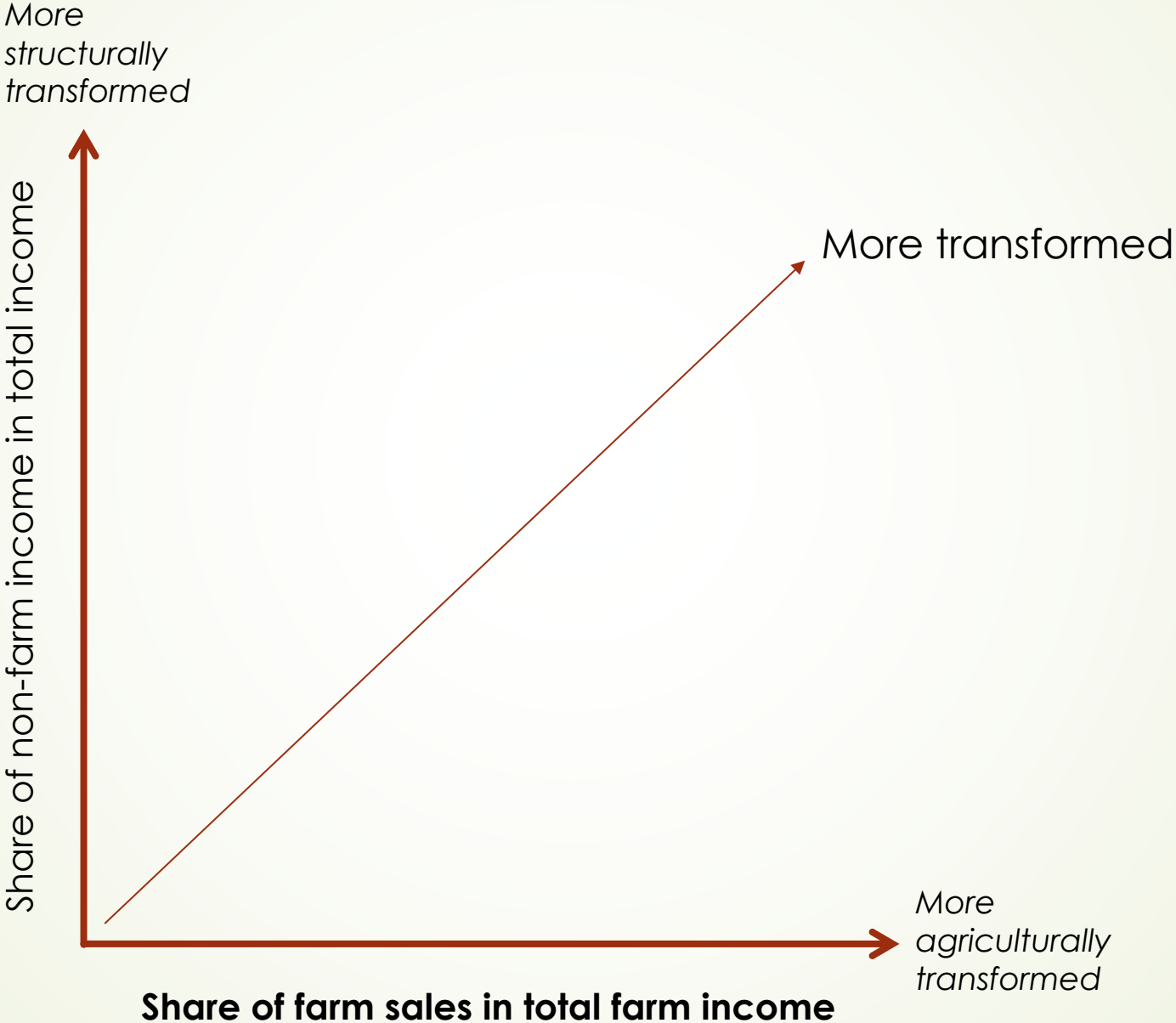
Rural & ag transformation space



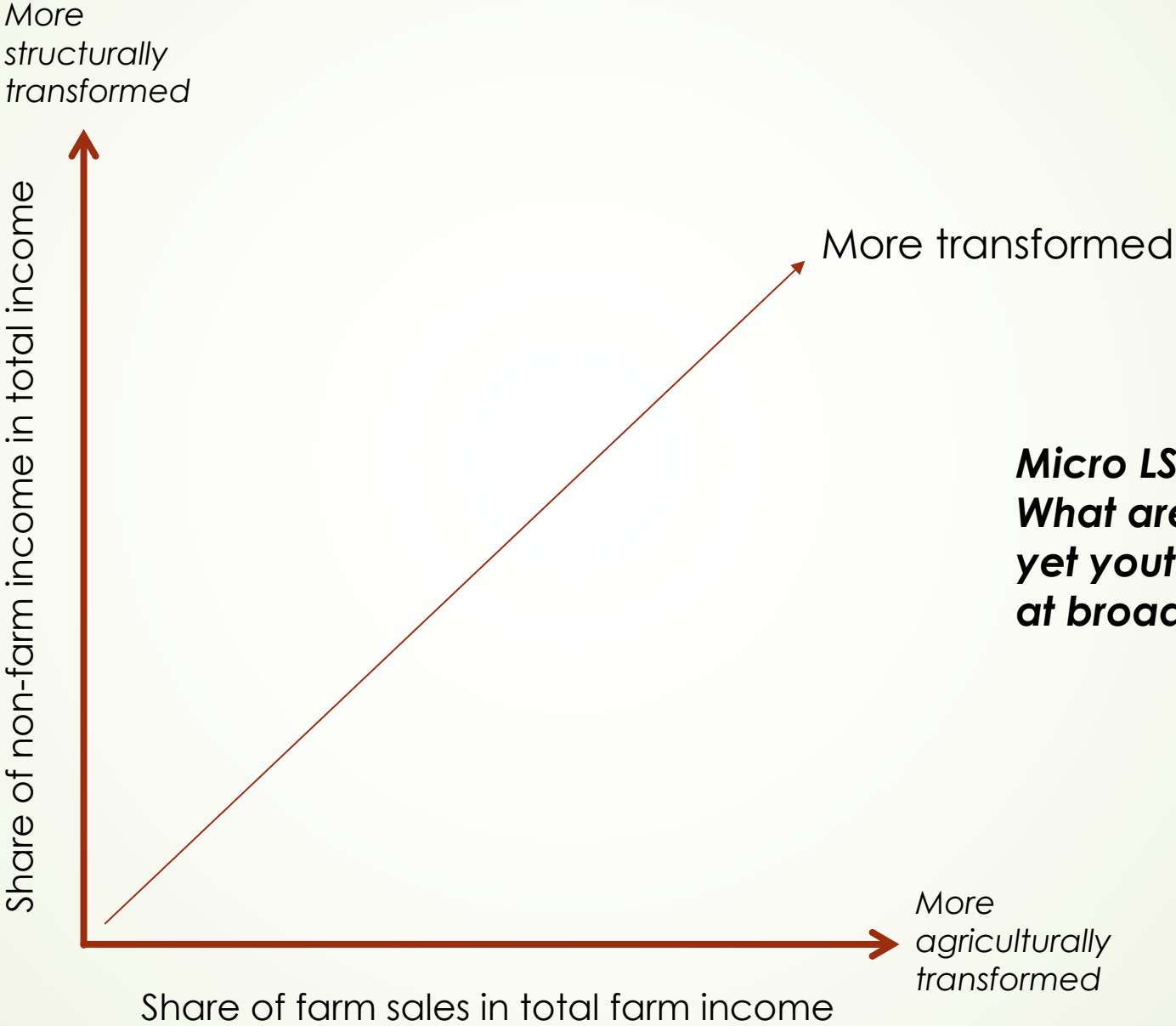
Rural & ag transformation space



Rural & ag transformation space

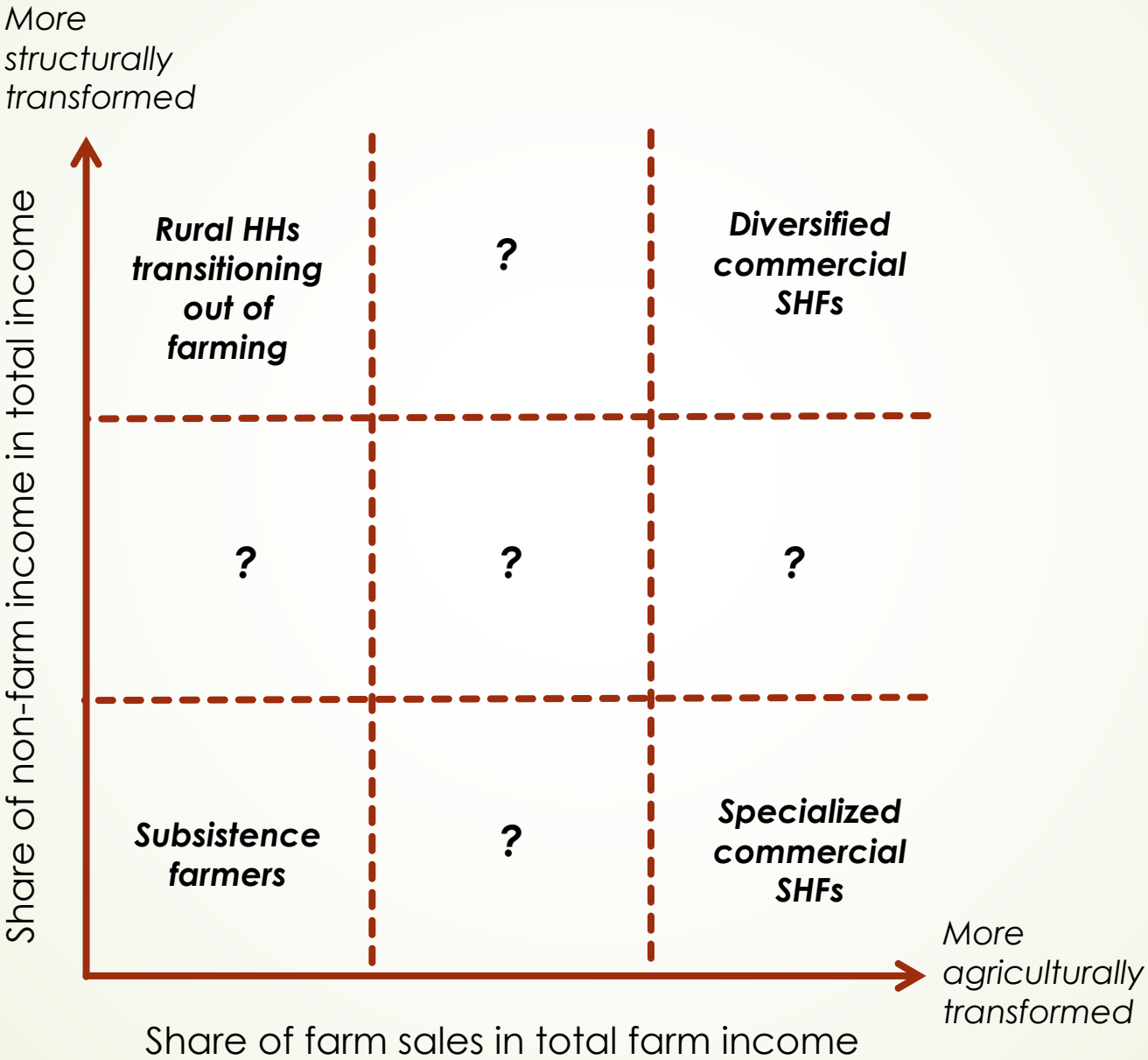


Rural & ag transformation space



**Micro LSMS data;
What are households (not yet youth) actually doing,
at broad level?**

Rural & ag transformation space



- 
- 
- Rural opportunity space ...
 - Rural & ag transformation space ...
 - **Specifics of economic engagement, assets, other characteristics of youth and their families**

Sectoral and functional classification, by FTE, of youth economic engagement

Functional classification	Sectoral classification										
	Agrifood system					Non-agrifood system				Not working	
	Own Farming	Farm Labor	Food Mfg	Mktg & Transp.	Food Prep	Mfg	Other Indust	Service, public	Service, private	Out of job mkt	Unem- ployed
Casual wage											
Formal wage											
Self-employed											
Total											

With individual level LSMS data, can do this for youth by gender, and by categories of rural youth opportunity / rural & ag transformation space

