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ANALYSIS OF REGIONAL DISPARITIES IN BENIN'S ECONOMIC DEPENDENCY

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OUTLINE

- Context and objective
- Theoretical framework
- Data and methods
- Empirical results
- Conclusion and policy implication

CONTEXT AND OBJECTIVE

- African leaders are taking into account the need to take advantage of youth to accelerate the development of the continent
- Capitalizing on the demographic dividend depends a great deal on the characteristics of the economic life cycle
- It is important to understand disparities in economic dependency by age

CONTEXT AND OBJECTIVE

 Recent academic papers show that there are differences in economic dependency between countries (Mason and Lee 2011; 2012; Hammer et al. 2015; Dramani and Oga, 2017)

 There is a gap in the literature about intra- country differences in economic dependency

CONTEXT AND OBJECTIVE

Objective: Analyze intra- country differences in economic dependency by age

THEORETICAL FRAMEWORK

Generational economy based on life cycle deficit (LCD)

 Economic life cycle is determined by production (YL) and consumption profiles (C) by age

•LCD =
$$C(a) - YL(a)$$

DATA AND METHODS

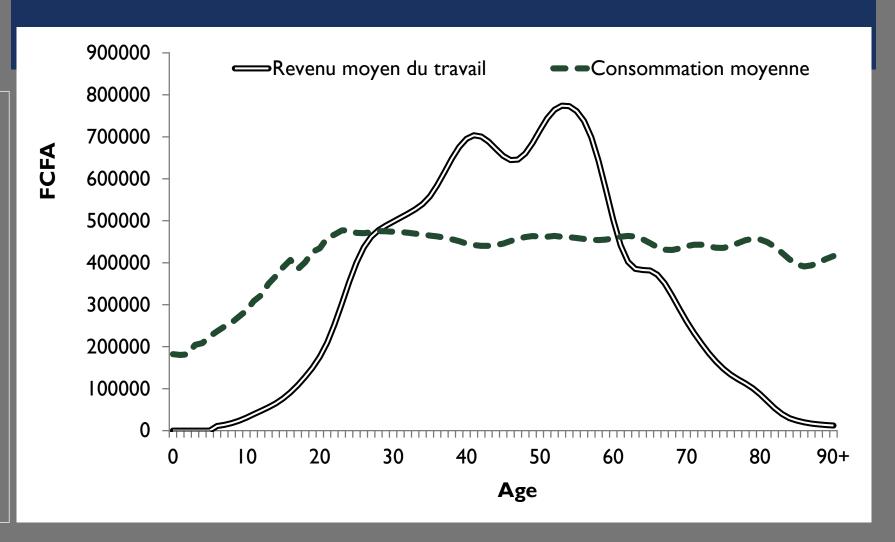
 LCD age borders between the life cycle stages of dependency are not fixed

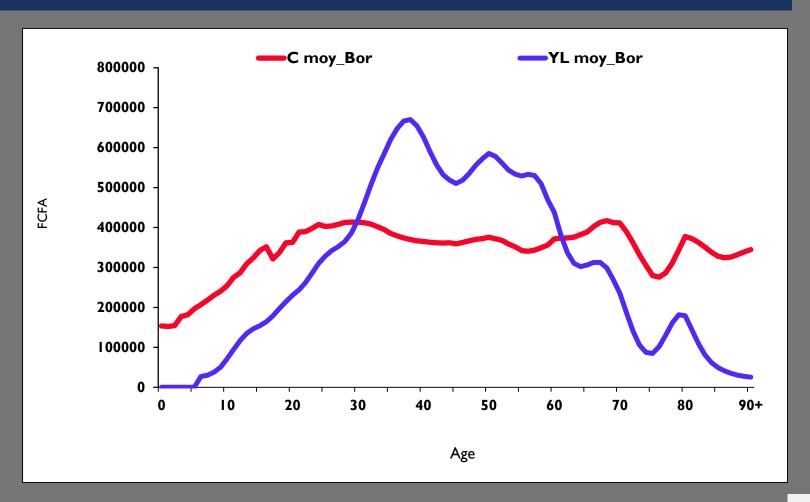
- Age borders are endogenously determined by age profiles of production and consumption
- EDR (%) = [LCD/(Total Labor income)]*100

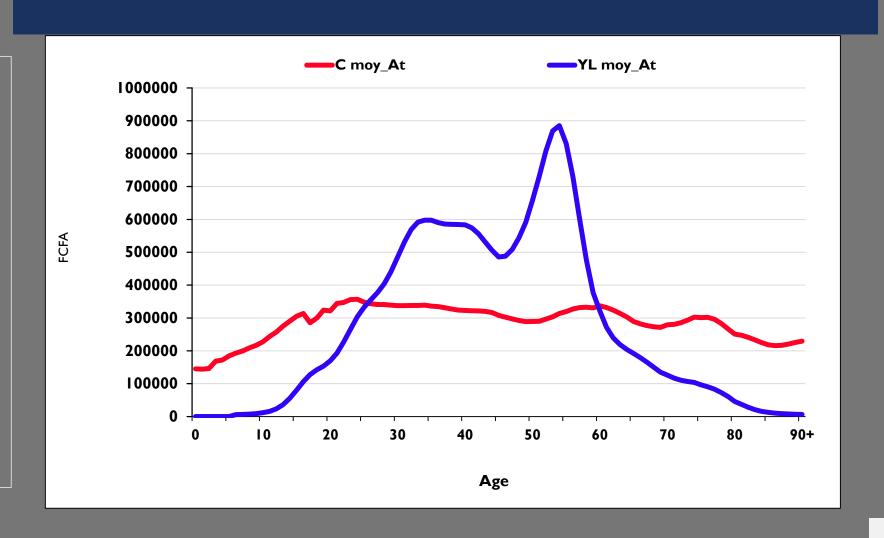
DATA AND METHODS

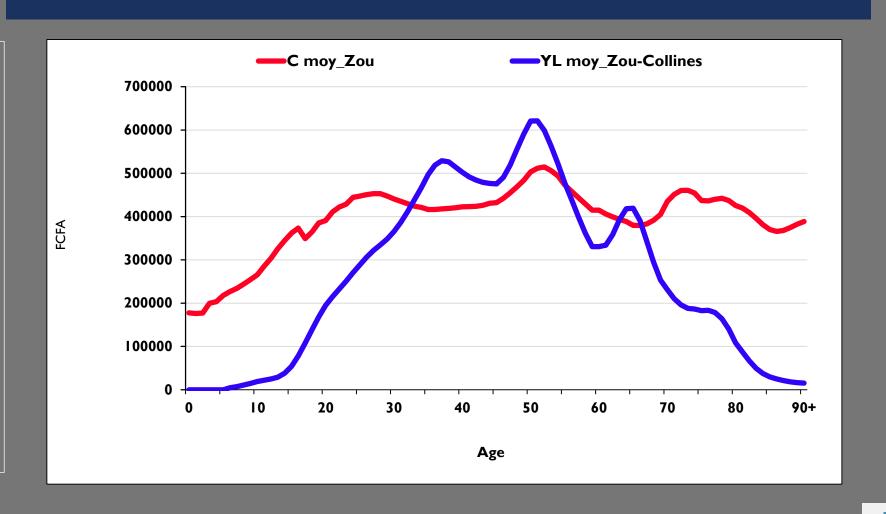
•2015 household survey data from INSAE (institute of Statistics)

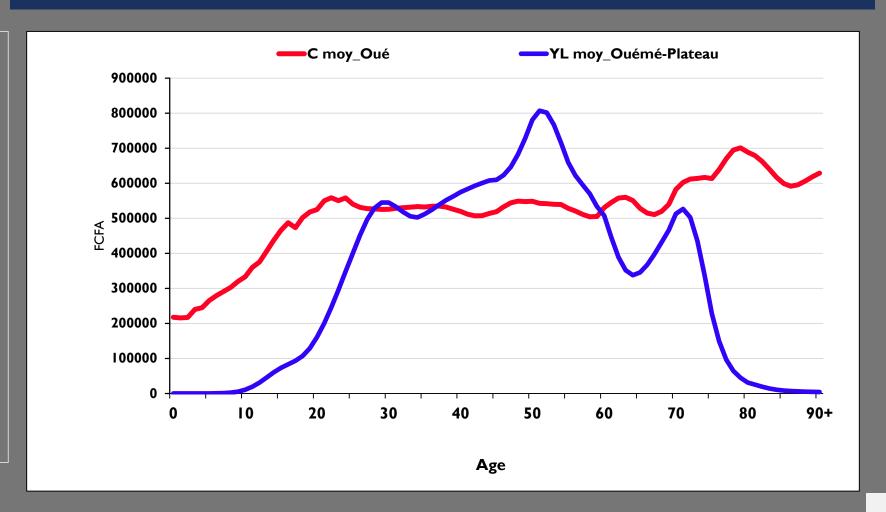
 Population data from INSAE, 2013 census data and projections

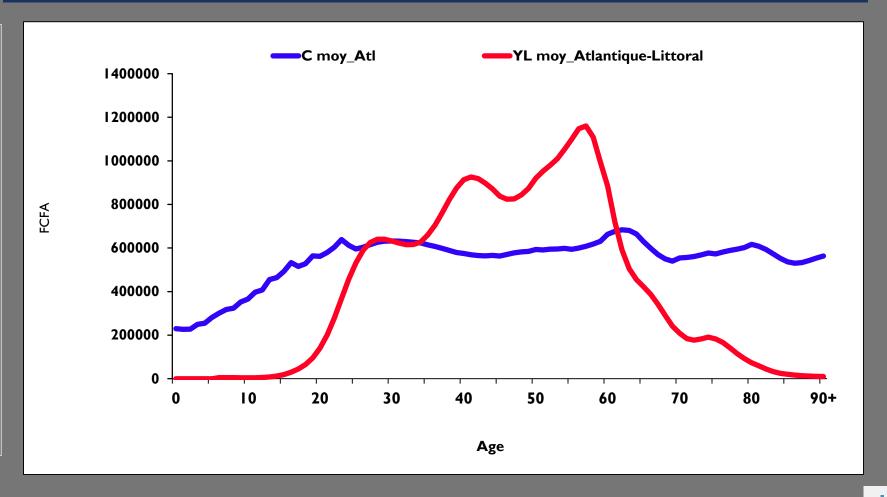


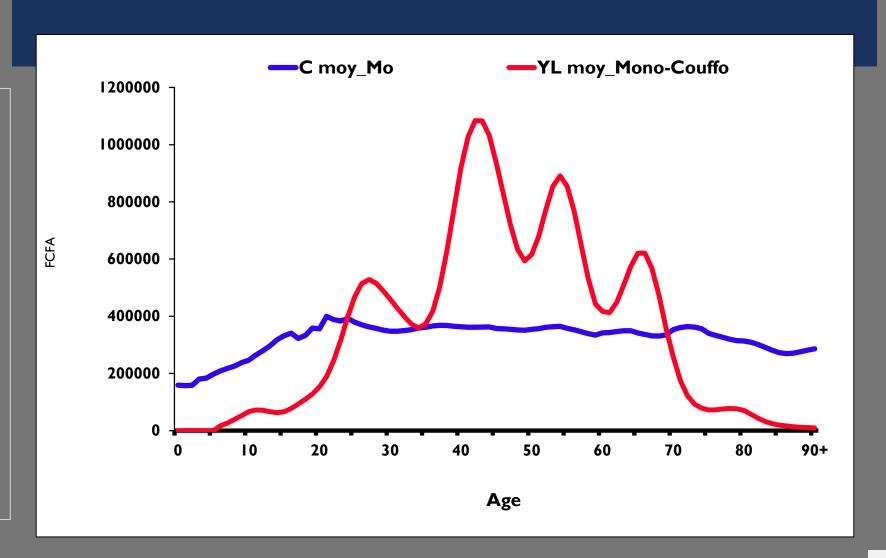












CONSUMPTION AND LABOR INCOME BY REGIONS, 2015

		Atacora/ Donga		Ouémé/ Plateau	Atlantique/ Littoral	Mono/ Couffo
Consumption (billions, XOF)	676,55	380,81	589,93	814,99	1109,69	400,81
%	17%	10%	15%	21%	28%	10%
Labor income (billions, XOF)	501,43	304,60	337,68	480,15	783,89	351,22
%	18%	11%	12%	17%	28%	13%

ECONOMIC DEPENDENCY RATIO IN BENIN BY REGIONS, 2015

	REGIONS						
	0	Atacora /Donga	Zou/ Collines	Ouémé/ Plateau	Atlantique/ Littoral	Mono/Couffo	
LCD Aggregate							
(1)	175,12	76,21	252,25	334,85	325,80	49,59	
YL Aggregate (2)	501,43	304,60	337,68	480,15	783,89	351,22	
Surplus, Agr	90,74	95,63	24,25	36,70	151,15	120,33	
EDR (%)	35	25	75	70	42	14	
Age surplus (Years)	32	34	26	27	32	46	

LIFE CYCLE STAGES BY REGIONS

Regions	Age dependency	Surplus Age	Age
	(Young)	span	dependency
			(Old)
Borgou-Alibori	0-29	30-61	62 years and
			over
Atacora-Donga	0-25	26-59	60 years and
			over
Ouémé-Plateau	0-27	28-59	60 years and
			over
Atlantique-Littoral	0-26	27-61	62 years and
			above
Zou-Collines	0-32	33-55	56 years and
			above
Mono-Couffo	0-23	24-69	70 years and
			above

CONCLUSIONS AND POLICY IMPLICATIONS

- Even inside a country, there are differences in economic dependency that are linked to production and consumption by age
- Regions have to learn best practices from themselves
- Next step: explain why EDR varies so much inside Benin

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