Erom Democracy to Growth



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Botswana and Nigeria: GDP per capita 1965-2004 (2000 USD)

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Listen to King Faisal of Saudi Arabia (1964-1975): 'In one generation we went from riding camels to riding Cadillacs. The way we are wasting money, I fear the next generation will be riding camels again."

Natural resources: A mixed blessing

Lee Kwan Yew, founding father of Singapore (1959-1991), would not have been surprised either: thought then that wealth depended mainly on e possession of territory and natural resources, whether fertile land ..., or valuable minerals, or oil and gas. It was only after I had been in office for some years that I recognized ... that the decisive factors were the people, their natural abilities, education and training."

Six determinants of economic growth

Investment / Openness

Democracy

Stability

Several other linkages among determinants

Education

denotes a positive effect in the direction shown

Growth

+

Diversification

Empirical question

Two hypotheses

Democracy makes it easier to replace bad governments by better ones and for ideas to compete, thus fostering efficiency and diversification, which is good for growth Democracy plays into the hands of pressure groups that abuse their power by swaying public policies and institutions in their favor, which is bad for growth

Democracy 1946-2000

10 300





Growth and political iberties, 1965-98



Index of political liberties 1972-90

Democracy is good for growth: No visible sign that democracy stands in the way of economic growth



Growth and political iberties, 1965-98



Index of political liberties 1972-90

Political liberty is good for growth because oppression breeds inefficiency, as does corruption



Growth and Corruption, 1965-98



Honesty is good for growth because corruption creates inefficiency

Income per head and democracy Singapore is an outlier



Lipset's Law: Income per capita increases with democracy

144 countries

Democracy and initial income per head



Log of GNP per capita 1960

Lipset in reverse: Democracy increases with initial income per capita

144 countries



Growth and democracy, 1960-2000



Index of democracy 1960-2000

Larger sample

Democracy and growth seem to go together



Education and democracy, 1960-2000



Democracy and education also go hand in hand

126 countries



Primary production and democracy, 1960-2000



Primary production 1960-2000 (% of GDP)

Democracy varies inversely with primary production

146 countries



Political liberties and natural resources



Back to smaller sample, same story: Natural capital tends to crowd out social capital



Growth and natural resources, 1965-98



Share of natural capital in national wealth 1994 (%)

Natural resource dependence tends to hurt growth through rent seeking and by creating a false sense of security



	Model 1		12		
Political liberties	0.34 (3.44)	and the second	and the second		
Initial income	10 ph	· Marin			
Natural capital	61				A States
Investment					Street Co
Secondary education					
Fertility					The
Adj. R ²	0.11	Par La		-	

	Model 1	Model 2				
Political liberties	0.34 (3.44)	0.77 (6.01)	-		Contraction of the second	
Initial income		-1.14 (4.64)				
Natural capital	e feit			lest-		
Investment						
Secondary education	and the					
Fertility		aller as the				
Adj. R ²	0.11	0.29		- Alter		

	Model 1	Model 2	Model 3		
Political liberties	0.34 (3.44)	0.77 (6.01)	0.59 (5.32)		
Initial	and the second	-1.14 (4.64)	-1.31 (6.33)		
Natural capital	- Felt		-0.10 (6.17)	est -	
Investment					Reven Co
Secondary education	And and a second second	2			
Fertility	Star Star				
Adj. R ²	0.11	0.29	0.51	the Basin	

	Model 1	Model 2	Model 3	Model 4	
Political liberties	0.34 (3.44)	0.77 (6.01)	0.59 (5.32)	0.49 (4.76)	
Initial income	1 ph	-1.14 (4.64)	-1.31 (6.33)	-1.15 (6.10)	
Natural capital	E ST		-0.10 (6.17)	-0.07 (4.93)	
Investment				0.12 (4.62)	
Secondary education	the second	2 A			
Fertility	No.				
Adj. R ²	0.11	0.29	0.51	0.61	

	Model 1	Model 2	Model 3	Model 4	Model 5	
Political liberties	0.34 (3.44)	0.77 (6.01)	0. 59 (5.32)	0.49 (4.76)	0.36 (3.90)	
Initiation	al ph	-1.14 (4.64)	-1.31 (6.33)	-1.15 (6.10)	-1.85 (8.65)	
Natural capital.	Contraction of the second		-0.10 (6.17)	-0.07 (4.93)	-0.65 (4.45)	
Investment				0.12 (4.62)	0.07 (3.05)	Mar En
Secondary education	A. C. C.	2		See 2	0.04 (5.12)	
Fertility	, The	4				
Adj. R ²	0.11	0.29	0.51	0.61	0.70	

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
Political liberties	0.34 (3.44)	0.77 (6.01)	0.59 (5.32)	0.49 (4.76)	0.36 (3.90)	0.19 (2.40)
Initial income	1 pt	-1.14 (4.64)	-1.31 (6.33)	-1.15 (6.10)	-1.85 (8.65)	-2.03 (11.61)
Natural capital	C. C. T		-0.10 (6.17)	-0.07 (4.93)	-0.65 (4.45)	-0.04 (3.35)
Investment				0.12 (4.62)	0.07 (3.05)	0.06 (2.87)
Secondary education	and the second				0.04 (5.12)	0.01 (1.21)
Fertility	(ha	in the second				-0.94 (6.58)
Adj. R ²	0.11	0.29	0.51	0.61	0.70	0.81

Regression results on Repeat for bigger sample, witch to EViews

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
Political liberties	0.34 (3.44)	0.77 (6.01)	0.59 (5.32)	0.49 (4.76)	0.36 (3.90)	0.19 (2.40)
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Natural capital	C.C.T		-0.10 (6.17)	-0.07 (4.93)	-0.65 (4.45)	-0.04 (3.35)
Investment				0.12 (4.62)	0.07 (3.05)	0.06 (2.87)
Secondary education	and the second				0.04 (5.12)	0.01 (1.21)
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Sir Arthur Lewis got it right

Since the second world war it has become quite clear that rapid economic growth is available to those countries with adequate natural resources which make the effort to achieve it.



W. Arthur Lewis (Accra, 1968)

Sir Arthur Lewis got it right

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Sir Arthur Lewis got it right

Since the second world war it has become quite clear that rapid economic growth is available to those countries with sound democratic institutions which make the effort to achieve it.



W. Arthur Lewis (Accra, 1968)

Conclusion: It can

De done Also, political diversification – democracy! – is almost surely worthwhile in its own right

The effort that is required includes diversification away from agriculture and other natural-resource intensive activity into manufacturing (as in China) and services (as in India) Economic diversification entails political diversification from dictatorship to democracy (as in Korea and Taiwan)

Conclusion: It can be done These slides – and mo

These slides – and more! – can be viewed on my website: www.hi.is/~gylfason

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