Economic Analysis



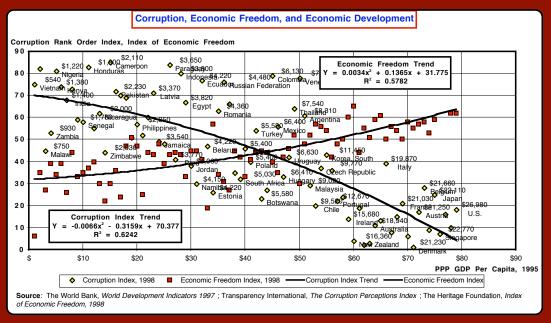
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Why Economic Analysis?

		Comp	ara	tive Economic	c Growth						
In Current Prices at Official Rates of Exchange											
	Ghana	South Kore	a	Ethiopia	Malaysia	Côte d'Ivoire	Thailand				
1960											
GDP	\$1,118,598,999	\$3,761,538,		\$933,000,000	\$2,209,477,124	\$569,866,343	\$2,554,399,243				
Population	6,703		954	20,004	8,368	3,619	26,634				
GDP per capita	\$167		\$151 \$47		\$264	\$157	\$96				
	Ghana	South Kore	a	Ethiopia	Malaysia	Côte d'Ivoire	Thailand				
1995											
GDP				\$5,287,000,000	\$85,311,000,000						
Population	17,100		900	56,400	20,100	14,000	58,200				
GDP per capita	\$369	\$10,	144	\$94	\$4,244	\$719	\$2,870				
_											
In \$U.S. 1995 dollars at Official Rates of Exchange											
	Ghana	South Kore	a	Ethiopia	Malaysia	Côte d'Ivoire	Thailand				
1960											
GDP	\$5,751,576,867			\$4,797,269,817	\$11,360,619,421		\$13,134,129,036				
Population	6,703		954	20,004	8,368	3,619	26,634				
GDP per capita	\$858	\$	775	\$240	\$1,358	\$810	\$493				
	Ghana	South Kore	a	Ethiopia	Malaysia	Côte d'Ivoire	Thailand				
1995											
GDP				\$5,287,000,000			\$167,056,000,000				
Population	17,100		900	56,400	20,100	14,000	58,200				
GDP per capita	\$369	\$10,	144	\$94	\$4,244	\$719	\$2,870				
Annual rates of Growth of population, and economic variables (in \$U.S. constant 1995):											
	Ghana	South Kore		Ethiopia	Malaysia	Côte d'Ivoire	Thailand				
GDP	0.27%		15%	0.28%	5.93%	3.59%	7.54%				
Population	2.71%		39%	3.01%	2.54%	3.94%	2.26%				
GDP per capita	-2.38%	7.6	32%	-2.65%	3.31%	-0.34%	5.16%				
Sources:	Sources: World Bank, World Tables , various years. (Washington, D.C.: World Bank, 1976, 1997)										
	GDP (the Gross Domestic Product) is measured in \$U.S. millions										
	Population is expressed in thousands										

- What are the choices of instruments and institutions to achieve an allocation of scarce resources to meet unlimited goals?
- We live in a world of globalization in which our economic and social circumstances are increasingly interdependent
- The choices we make today will affect generations in the future and for which we carry a special responsibility

The Quality of Political and Social Governance Defines The Range of Economic Possibilities



- Every society seeks an improvement in living conditions, be it in terms of life expectancy, the level of real per capita income, or in terms of an equitable distribution of income
- If the state intervenes in the economy, it does not necessarily follow that its actions will result in an improvement in living conditions
- Principles of governance such as transparency and political democracy are important conditions for an efficient and equitable economy but the order of their implementation will vary according

to the singulation of individual countries



- The roles of government vary in time and space
- A principal reason for this variation is the level and range of financial, economic, political, and environmental risk
- The greater is the development of tools to manage risk, the smaller the need for government intervention in the economy
- The challenge is to undertake an analysis of economic and financial institutions in order to determine if the contractual systems lend themselves to efficient and equitable outcomes.



1. Create and maintain institutions and incentives appropriate to the allocation of resources within a market framework



2. Promote distributive justice in the allocation of resources









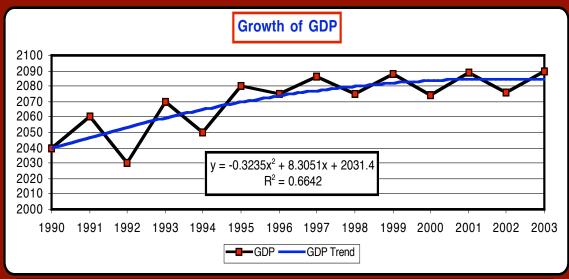


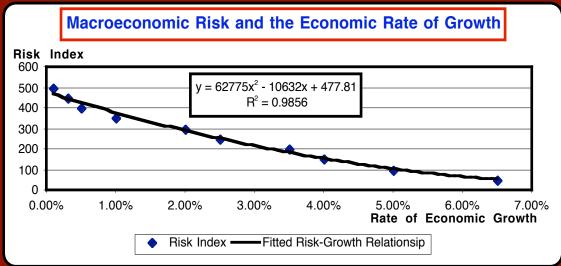
3. Promote an efficient allocation of resources through a competitive economic policy



IFAN, Dakar, Senegal

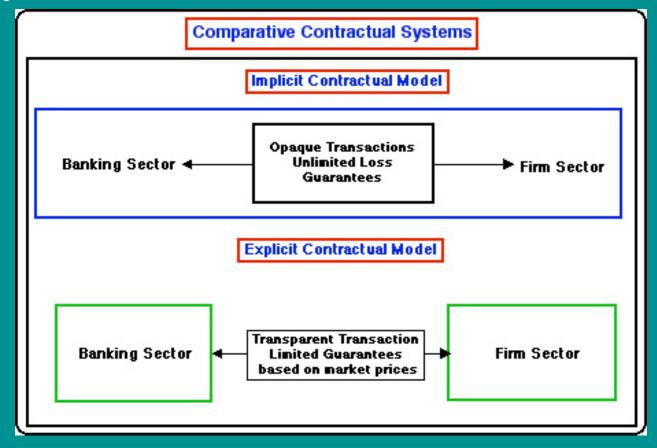
4. Re-allocate resources to affect the optimal composition of production of goods and services





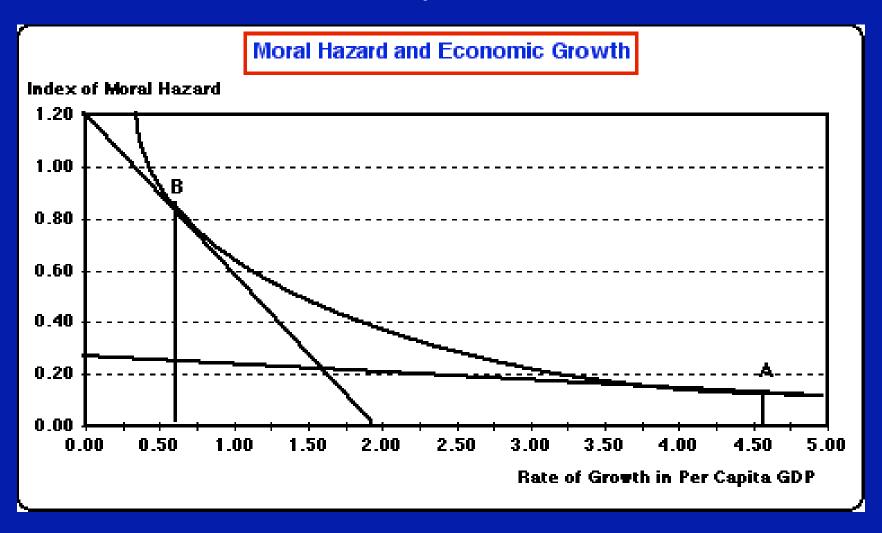
5. Use monetary and fiscal policy to promote economic stabilization, growth, and socio-economic development

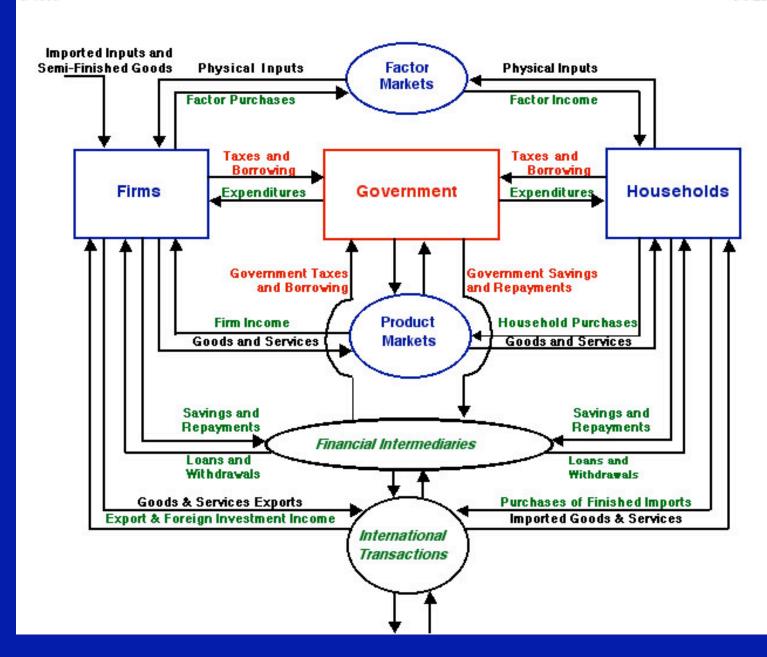
Asymmetric Information and Contractual Inefficiency



Risk arises in a contractual system in which information is both imperfect and asymmetrically distributed. In such a situation, contracting institutions fail to achieve an efficient allocation of resources, from which arises the need to establish rules and contracting products that can better manage the level of underlying risk.

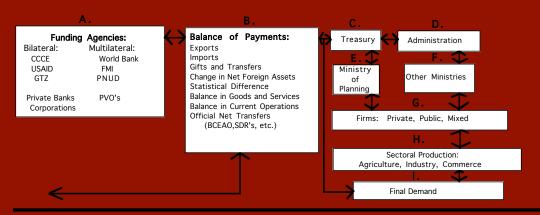
Contractual Disequilibrium in the Presence of Asymmetric Information





The Institutional Framework of Economic Decisions

Figure 2
Operational Structure of Economic Planning



A. Funding Agencies

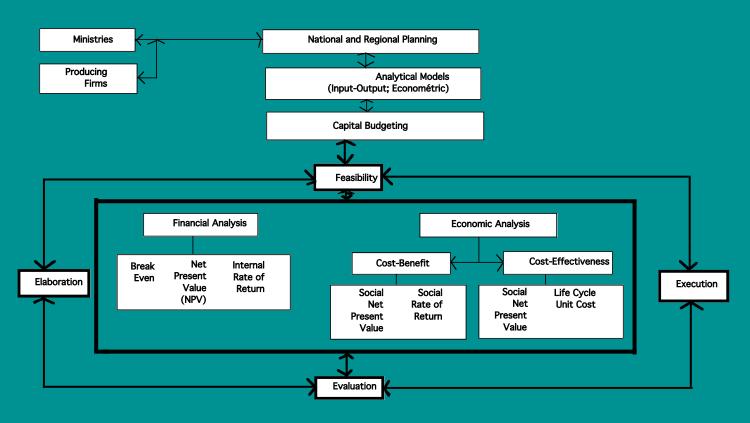
- CCCE Caisse Centrale de la Coopération Economique (France)
- 2. FED Fonds Européens de Développement
- CILSS Comité Inter-étatique pour la lutte contre la sécheresse du Sahel
- 4. IBRD World Bank
- 5. IMF International Monetary Fund
- 6. USAID U.S. Agency for International Development
- 7. UNDP United Nations Development Programme
- 8. Others: UNESCO, UNIDO, FAO, Paris Club, London Club, Stabex, etc.

- I. Final Demand: Under the United Nations system, we can derive the principal economic aggregates, of which one of the most often cited is the GNP (Gross National Product), as well as the GDP (Gross Demestic Product). The Gross National Product is defined as
 - Y = C + I + G + E M, where:
 - Y = Final Demand, or GNP, of which:
 - C = Consumption of finished goods and services
 - I = Gross Private Domestic Investment
 - G = Consumption and investment expenditures by the public sector
 - E = les Exports of goods and services
 - M = les Imports of goods and services

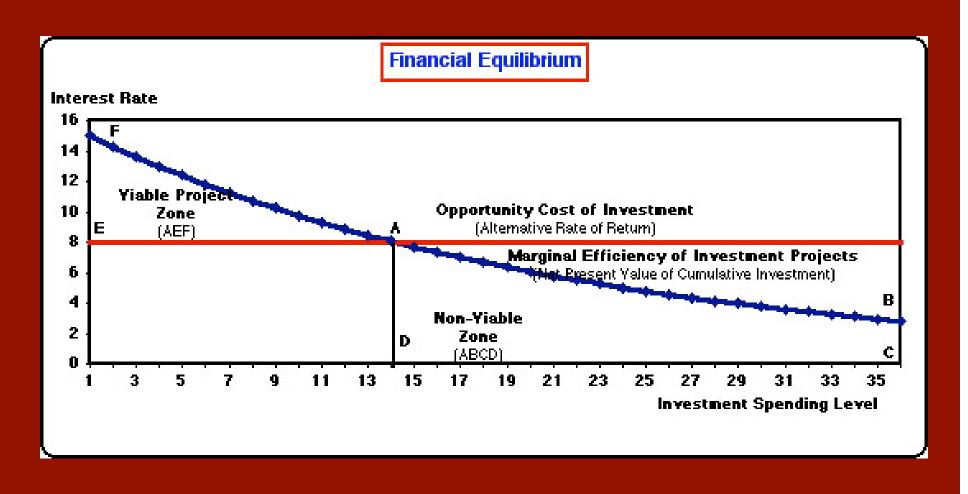
The Project Institutional Environment

Figure 3

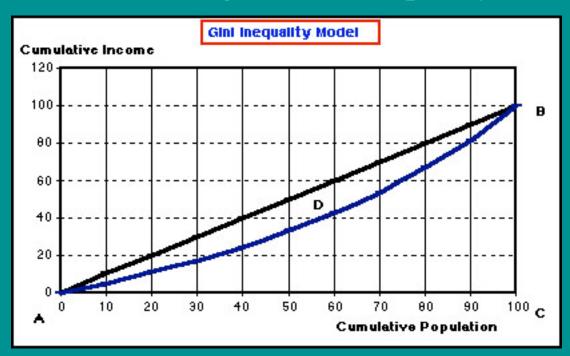
The Development Project Decision Environment



Financial Market Equilibrium



Measuring Income Inequality



Income inequality is usually measured through use of a Lorenz curve of cumulative income relative to an equal distribution. The Gini index of inequality is the ratio of the area D between the Lorenz curve and the line of perfect equality to the triangle ABC. In a perfectly equal distribution, D converges to zero, and thus the Gini coefficient has a value of zero. At the opposite extreme, D converges to the value of the triangle ABC, in which case perfect inequality has a Gini coefficient value of 1

The Harrod-Domar Model of Economic Growth

			Perla	4									
1. Base Case	Parameter	Yalue	0	T	2	3	4	5	- 6	7	8	9	10
Sentings Flate	1	13.00%	9 3						- 100	- 10	100	1000	
Capital Output Coefficient	- K	3.00	7 7										
GDP 'Hismanted Growth Plate	twak:	4.33%											
Propulation Growth Flate		3.00%											
Per Capita GDP Growth Rate	Wpwrp	1.33%	S										
GDP in period i, in billions	35	400	400	417.3	435.4	454.3	474.0	494.5	515.9	538.3	561.6	586.0	611.4
Population in period i, in millions	Pi	1.0	1.00	1.03	1.06	1.09	1.13	1.16	1.19	1.23	1.27	1.30	1.34
Per Capita GDP in periodi	YVPI	400.0	400.0	405.2	410.4	415.7	421.1	425.6	432.1	437.7	443.4	449.1	454.9
National Tax Flate	T	0.100	0	100						10000	1000	1000	
Fiscal Receipts			40.0	41.7	43.5	45.4	47.4	49.5	51.6	53.8	56.2	58.6	61.1
Disposable National Income	Ren w Yorking		360.0	375.6	391.9	400.9	426.6	445.1	464.3	464.5	505.5	527.4	550.2
Per Capita Disposable Income	(YSH) gig/Fit		360.0	364.7	389.4	374.2	379.0	383.9	388.9	393.9	399.0	404.2	409.4
2. Innevative Management	Parameter	Yelline	0		2	3	1	5	6	7		9	10
Sevengo Rielle	1	13.00%	8										
Capital Output Coefficient	150000	2.00											
GDP 'Hitemanked Growth Field	f=5/k	6.50%	8										
Population Growth Rate		3.00%											
Per Capita GDIP Growth Rate	White	3.50%	200										100
GDP in period i, in billions	39	400	400	426.0	453.7	483.2	\$14.6	548.0	583.7	621.6	662.0	705.0	750.9
Population in period i, in milliona	Pi	1.0	1.00	1.03	1.06	1.09	1.13	1.18	1.15	1.23	1.27	1.30	1.34
Per Capita GDP in periodi	YVPI	400.0	400.0	433.6	427.6	442.2	457.2	472.7	400.0	505.4	522.6	540.3	558.7
National Tax Flate	T.	0.100							100				100
Fiscal Receipts			40.0	42.6	45.4	49.3	\$1.5	54.8	58.4	62.2	66.2	70.5	75.5
Disposable National Income	Fin - Yi-Rig		360.0	383.4	408.3	434.9	463.1	493.2	525.3	559.4	595.8	634.5	675.8
Per Capita Disposable Income	(MRg)(P)		360.0	377.2	384.9	390.0	411.5	425.5	439.9	454.9	470.3	486.3	502.6
3. Accelerated Saving Seeings Rate	Parameter	Value 15.00%	0		2	3	4	5	-	1	- 8	- 3	10
Capital Output Coefficient	1	2.00	S										
GDP Wilmanited Growth Rate	79.16	7.53%	8										
Progulation Growth Flate	0	3.00%	8 8										
Per Capita GDP Growth Rate		4.50%	Ş.,										
GDP in period Lin billions	10	400	400	436.6	482.3	HOUSE	534.3	574.3	617.3	DESCRIPTION OF THE PERSON OF T	213.4	BERNESS OF	824.4
Population in period i, in millions	B	1.0	1.00	1.00	1.00	1.65	1.15	0.140	1.15	1.73	1.37	1 55	1.54
Per Capita GDP in period i	YVPI	400.0	400.0	417.5	436.7	454.0	474.6	495.4	517.0	E 96 C	600 5	587.8	613.4
National Tax Rate		0.100	THEFT	411.2	4.000.0	707.5	717.00	T. P. W. T.	2000	2000	2000	1000 F 100	0.12.1
Fiscal Receipts	Re-TWI	9,199	45.5	411	46.2	49.7	53.4	57.4	61.7	66.4	77.7	78.7	82.4
Disposable National Income			360.0	387.0	416.6	447.2	480.8	516.5	555.4	567.1	642.1	650.2	742.0
Per Capita Disposable Income			368.0	375.7	392.1	409.3	427.2	445.8	465.3	485.6	566.8	529.0	552.1
	Parameter	Value	0	212.1	3	1000	40.1.0	15	-	7	-	- 6	10
Savingo Piele	3	13.00%	The same	_	_		and the			Hit	1	_	
Capital Output Coefficient	- 1	3.66	100										
GDP 'mismant ed Growth Finte	1-14	4.33%	8 "										
Population Growth Rate	9	2.00%	8 %										
Per Capita GDP Growth Rate		2.33%											
GDP in seriod i in billions	10	460	460	417.3	4354	454.3	474.0	454.5	535.4	538.3	561.6	534.0	611.4
Population in period i, in millions	B	1.0	1.00	1.03	110	1.84	1.13	1 18	1.19	1.75	137	138	1.34
Per Capita GDP in period i	19(F)	400.0	400.0	405.2	410.4	415.7	421.1	426.6	432.1	437.7	443.4	449.1	454.9
National Tau Fiele	T	0.100		COLUMN TO SERVICE STATE OF THE PERSON NAMED IN COLUMN TO SERVICE STATE OF THE PERSON NAMED STATE OF THE SERVICE STATE OF THE PERSON NAMED STATE OF THE SERVICE STATE O		10000	-						
Fincal Receipts	Frage Titye		40.0	91.7	43.5	45.4	47.4	49.5	51.6	53.6	56.2	59.6	61.1
Disposable National Income			301.0	375.6	391.9	408.9	426.6	445.1	464.3	414.5	585 6	527.4	558.2
Per Capita Disposable Income			360.0	364.7	363.4	374.3	179.0	585.3	-	191 6	199.0	404.2	100.000.000
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