Foreign Threat and Economic Growth Political Coase Theorem vs.Northian Political Constraints

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# Theoretical interest

(Divergence and regime irrelevance)

•The <u>endogenous policy</u>, <u>exogenous politics</u> model (i.e., the political economy model) often fails to explain each country's growth performance.

-Growth divergence (autocracies)

-Regime irrelevance (democracies vs. autocracies)

Political Coase Theorem

# Outline

- 1. Motivation
- 2. Theory
- 3. Empirics
- 4. Conclusion

Empirical interest (Causality problem)

 Politics (e.g., political stability), policy, growth are jointly-determined variables.
Political stability ⇒ High growth
High growth ⇒ Political stability

Searching for better instrument variables in growth regressions





### Failure of Political Coase Theorem

•Failure of Coase Theorem Transaction costs •Failure of Political Coase Theorem - Political transaction costs (Incomplete contract) "Northian political constraints" **Endogenous politics** 

Political constraints in Autocracies  $Development \Rightarrow Ruling elite$ Pro: Encompassing interest  $\uparrow$  (M. Olson) Con: Masses' <u>ability</u> to contest power  $\uparrow$  (D. North) Foreign threat  $\Rightarrow$  Ruling elite Pro: Masses' will to contest power 1 ("Common enemy" effect) Constraint tightness=(Ability) × (Will)  $\downarrow$  $\Rightarrow$  More cooperation  $\Rightarrow$  More development





### Economics of autocracies

What happens when non-representative governments choose public policies? vs. Max [Social welfare]

Social divide "Privileged" vs. "Unprivileged"

- 1. Max [The"privileged" welfare]
- 2. The "unprivileged" are not passive

(Resistance to the existing order)

Strategic interaction of two active players

The "privileged" maximize their welfare

subject to the reaction function of the "unprivileged"

#### Northian constraints

### Threats motivate development: Examples

Russia: The Crimean War Alexander II Turkey: The decline of the Ottoman Empire Kemal Atatürk

Japan: The Meiji Restoration The Meiji Emperor

Taiwan: Communism Threat Chiang Kai Shek

Park Chung Hee

Korea: Communism Threat

Bhutan: China-India (GNH) King Wangchuck

12

### Prior research Empirical •Barro (1991), Benhabib and Spiegel (1992), Alesina and Perotti (1993), Alesina et al.(1996) Internal conflict in a Domestic country on the Domestic growth ----Negative •Ades and Chua (1997) (Easterly and Levine (1998)) Internal conflict in Foreign countries on the Domestic growth ----Negative spillover •Our paper External conflict among Foreign countries on the Domestic growth ----Positive spillover











**Inefficiency of Revolution** Four states of conflicts  $Y=AG \rightarrow Y=AG\theta$ (No revolution, No invasion) **Taxation policy** (Revolution, No invasion) Scope for "Coasian Bargaining" (No revolution, Invasion) (Strategic moderation of taxation aiming at suppressing revolution) (Revolution, Invasion) (1-**τ**\*)AG≧ πAGθ  $\Rightarrow$   $\tau^*=1-\pi\theta$  (Northian constraint) Prob. of invasion :  $\eta$ Ability  $(\pi)$  vs. Will  $(\Theta)$ 19





22



















Dependent Variable	TFI	WAR	Adjusted R- squared	Numbers of Observations
Per capita GDP growth	0.016 (5.069)	-0.003 (-1.776)	0.356	54
Growth in physical capital	0.019 (4.026)	·0.002 (·0.896)	0.193	54
Change in schooling years	0.024 (3.824)	+0.005 (+1.447)	0.233	54
Growth in TFP	0.009 (3.595)	*0.000 (*0.432)	0.372	50
Government spending on education	0.198 (2.462)	·0.108 (·2.837)	0.087	53
Government spending on investment	0.456 (3.413)	·0.157 (·1.946)	0.170	51
Government spending on consumption	-0.524 (-2.976)	·0.030 (·0.403)	0.335	53
Total Government spending	0.037	-0.013 (-0.266)	0.059	53

	1	2	3	4	
Dependent Variable	Government spending on education	Government spending on investment	Government spending on consumption	Total Government spending	
linitial GDP per capita	0.125 (1.639)	0.035 (0.234)	-0.621 (-4.539)	-0.027 (-0.303)	
Initial schooling years	0.055 (0.560)	$\begin{pmatrix} 0.237 \\ (1.752) \end{pmatrix}$	$\begin{pmatrix} 0.051 \\ (0.485) \end{pmatrix}$	0.023 (0.320)	
Autocracy	-0.048 (-0.516)	0.064 (0.373)	(-0.107 (-0.647)	0.123 (1.046)	
TFI	0.181 (2.649)		(-0.331 (-2.214)	0.084 (0.873)	
WAR	-0.094 (-3.078)	-0.087 (-1.407)	`0.061 (`1.124)	0.016 (0.440)	
Adjusted R-squared	0.255	0.042	0.353	0.014	
Numbers of Observations	83	80	83	83	

Dependent Variable	TFI	WAR	Adjusted R- squared	Numbers of Observations
Per capita GDP growth	0.008 (2.432)	·0.002 (·2.735)	0.636	30
Growth in physical capital	0.011 (2.696)	-0.002 (-1.652)	0.343	30
Change in schooling years	0.007 (0.609)	·0.002 (·0.612)	0.065	30
Growth in TFP	$\begin{pmatrix} 0.005\\ (1.985) \end{pmatrix}$	-0.001 (-1.598)	0.288	28
Government spending on education	$\begin{pmatrix} 0.127\\ (0.977) \end{pmatrix}$	+0.047 (+0.983)	0.226	30
Government spending on investment	$\begin{pmatrix} 0.261 \\ (1.580) \end{pmatrix}$	(-0.052 (-0.907)	0.016	29
Government spending on consumption	$\begin{pmatrix} 0.190\\ (0.751) \end{pmatrix}$	.0.137 (-1.218)	0.317	30
Total Government spending	0.216	0.055	0.199	30

# 2010/10/29 RIETI国際経済セミナー



