

DISCUSSION OF  
DOES NATIONALIZATION WORK?  
EVIDENCE FROM RUSSIAN STATE TAKEOVERS  
BY CARSTEN SPRENGER

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Oxford, SBS/Balliol

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# BRIEF SUMMARY AND EVALUATION

- Very well executed paper, especially with respect to
  - ▶ Care in forming sample
  - ▶ Exposition of empirical methods
  - ▶ Understanding of the institutional environment
- My discussion will focus on the interpretation of the results.



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# INTERPRETATION OF SPECIFICATION

$\widetilde{\Delta\pi}^i$	Change in performance if nationalised, $i = 1$ , or not, $i = 0$
$\tilde{z}$	Dummy for nationalisation: $\tilde{z} = 1$ if nationalised, or not, $i = 0$
$\tilde{x}$	Vector of covariates
$p(\tilde{x})$	Propensity score, $p(\tilde{x}) = \mathbb{E}[\tilde{z} \tilde{x}]$

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# PROPENSITY SCORE ASSUMPTION

- *Basic Assumptions:*

- ▶  $\widetilde{\Delta\pi}^1$  and  $\widetilde{\Delta\pi}^0$  are conditionally independent given  $\tilde{x}$
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- *Propensity Score Theorem:* If Basic Assumptions hold then  $\widetilde{\Delta\pi}^1$  and  $\widetilde{\Delta\pi}^0$  are conditionally independent given  $p(\tilde{x})$  and therefore

- *Result:*

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# ASSUMING THIS WORKS

- then we have an unbiased (by selection for nationalisation) estimate of the change in performance of nationalised firms relative to matched non-nationalised firms given the program of nationalisation
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- Example: nationalisation programme reduces profitability by 50% for both nationalised and non-nationalised firms, then the propensity matching model would yield no effect
- We *could* conclude that *being nationalised* has no affect on relative performance
- different question than the effect of nationalisation programme on performance.
- *Bottom line*: Both nationalised and non-nationalised firms are “treated” by nationalisation.

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# EFFECTS OF A NATIONALISATION PROGRAMME IN GENERAL

- **Effects on nationalised firms**
  - ▶ *Ownership change*: Change in the incentives and preferences of controllers caused by the state becoming the owner
  - ▶ *Organisational structure change*: Change in the organisational structure caused by state ownership
- **Effects on the propensity-matched non-nationalised firms**
  - ▶ *Competitive environment change*: Change in industry input and output prices caused by the changes in the behaviour of the nationalised firms

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- **State bureaucratic organisational form:**
  - ▶ Mgrs are officials directly appointed by government
  - ▶ No responsibility for gains or losses, evaluation based on meeting plan targets
  - ▶ Fixed managerial compensation
- **Corporate form:**
  - ▶ Firm administered by board
  - ▶ Firm responsible for profits and losses
  - ▶ Managers not state employees
  - ▶ Managers' compensation based on incentive contracts
- Private firms have corporate organisational form
- SOE can either have corporate or bureaucratic form
- Nationalised firms in sample retained corporate form of organisation



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# EFFICIENCY AND FORM

- *Ownership vs. Organisational Form:* Aivazian, Ge, Qiu (JCF, 2005) find that corporatisation even absent any privatisation has very positive performance effects
- Sample firms were corporate organisations before and after nationalisation
- If the corporatisation rather than privatisation is the major driver of efficiency improvement, results in this paper are not surprising.



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# CHANGE IN COMPETITIVE STRUCTURE: NATIONALISATION AND DEEP POCKETS

- Effect of nationalisation on corporate objectives
- Different governments pursue nationalisation for different reasons
  - Job creation and maintenance
  - Increasing social equality
- Some of these objectives conflict directly with efficiency
- *Russian Case*: Control of “strategic” sectors?
- Russian objective does not directly conflict with efficiency



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# EFFECT OF NATIONALISATION

- **Nationalised firms have a greater likelihood of being bailed out by state**
- This lowers their cost of capital and increases their debt capacity, evidence for this effect in paper
- Relaxes financing constraints (deep-pockets)
- Deep pockets makes a firm a more attractive supplier (Titman, JF 1994)
- Deep pocket firms might be stronger competitors—perhaps reducing performance of matched rival firms (Bolton and Scharfstein, AER, 1990)
- Thus, even if nationalisation lowers operating efficiency, the deep-pockets effect could cancel out or swamp the efficiency effect, leading to better or equal performance by nationalised firms.



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