

# Capillary State Capacity: Mayors and Bureaucrats in Brazil

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Figure 1: Peru, 2013



Figure 2: Municipio Provincial de Otuzco

# Outline of Presentation

- ▶ The Debate: Unpacking State Capacity

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- ▶ The Debate: Unpacking State Capacity
- ▶ Local Administrative Capacity
- ▶ Identification Strategy: Mayor Partisanship

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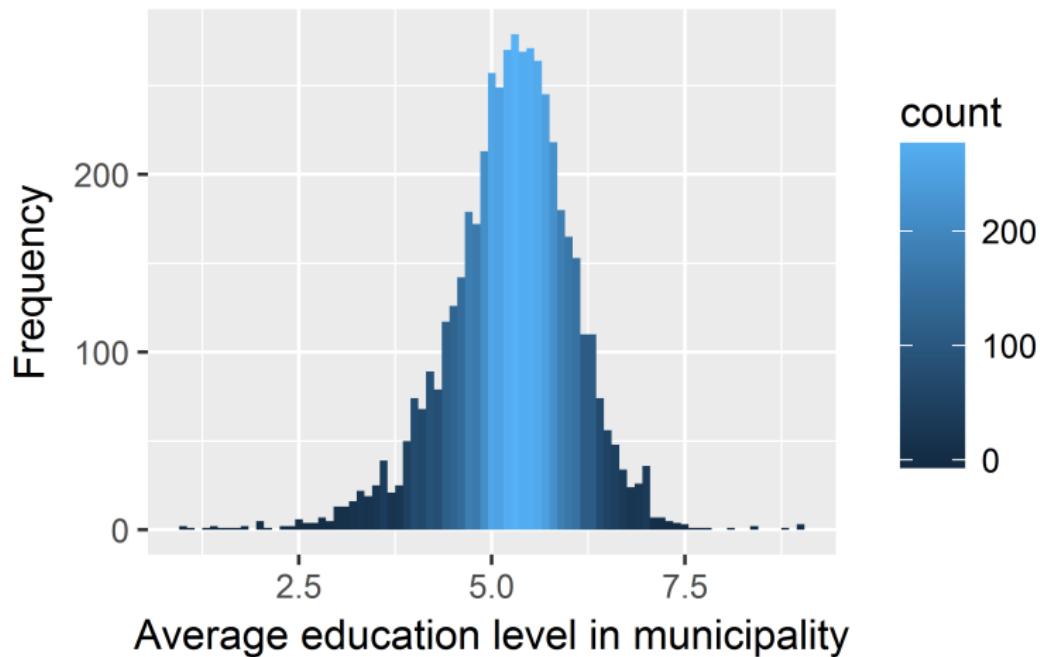
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  - ▶ Average educational levels of bureaucrats by municipality.

# Histogram of Educational Levels of Bureaucrats

Histogram of municipal bureaucrat's educational levels (2000)



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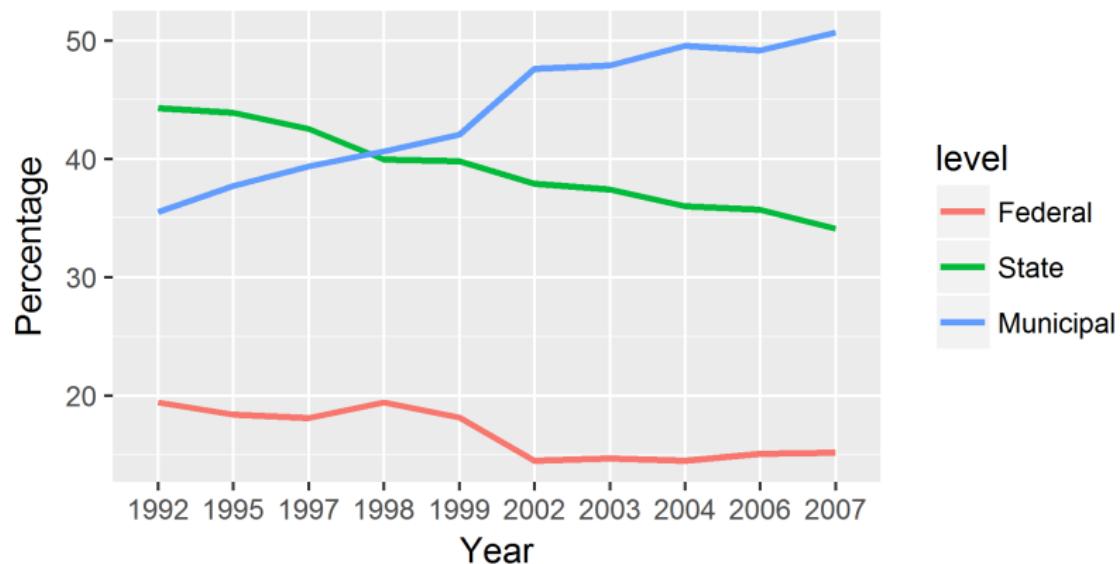
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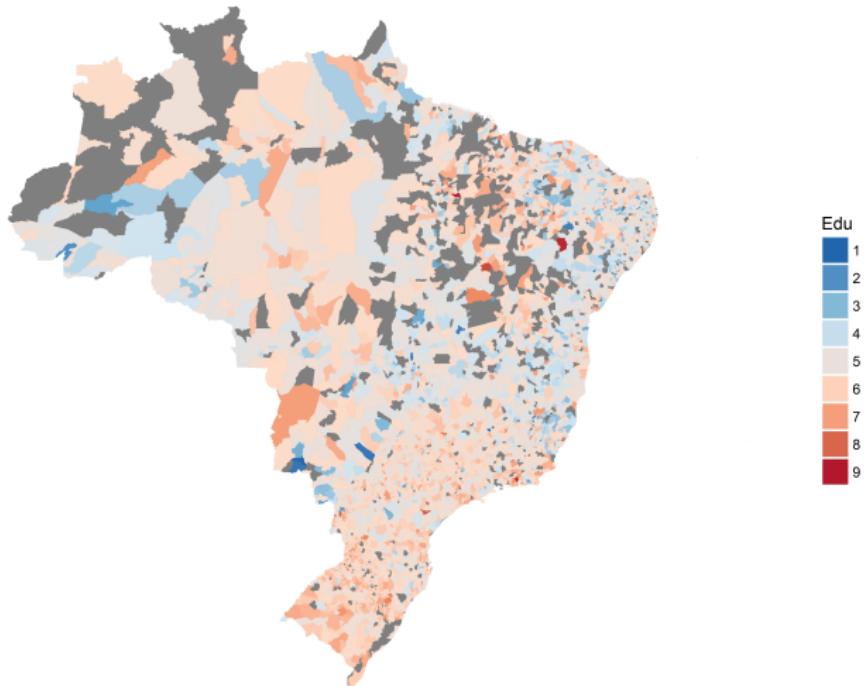
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  - ▶ O'Donnell (1993): Green and brown areas.

# Growth in the number of municipal bureaucrats

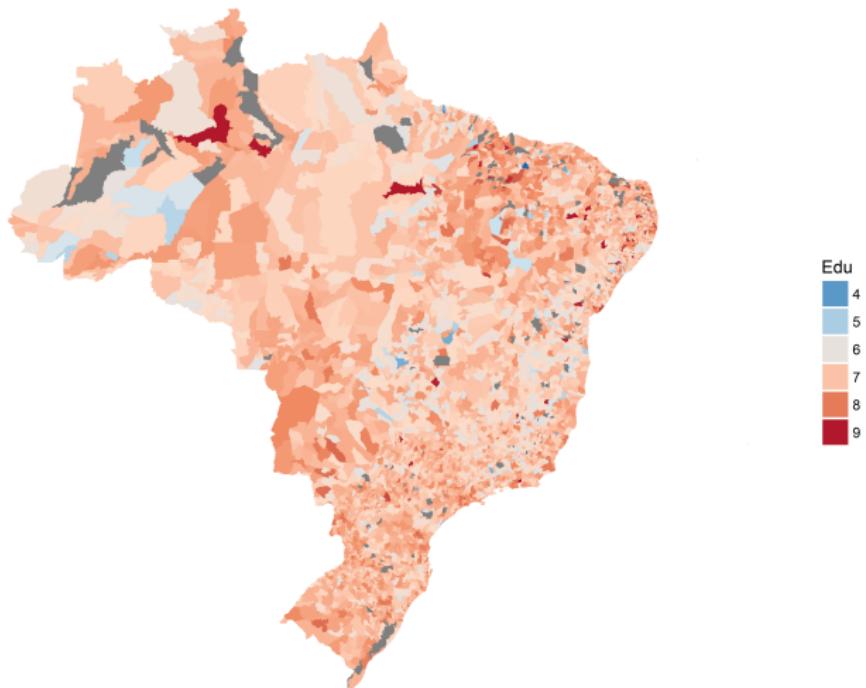
Proportion of bureaucrats  
by sphere of government (1992 - 2007)



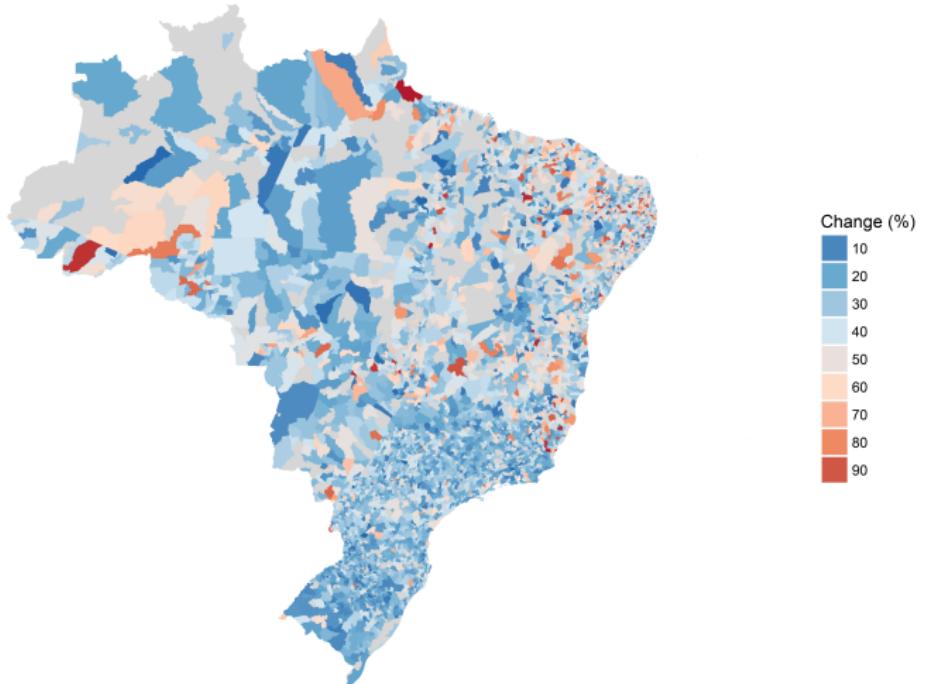
Bureaucratic educational levels:  
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Bureaucratic educational levels:  
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Bureaucratic educational levels:  
change from 2000-2015(%)



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  - ▶ Do PT mayors hire better educated bureaucrats?

## Estimation: Difference in Differences

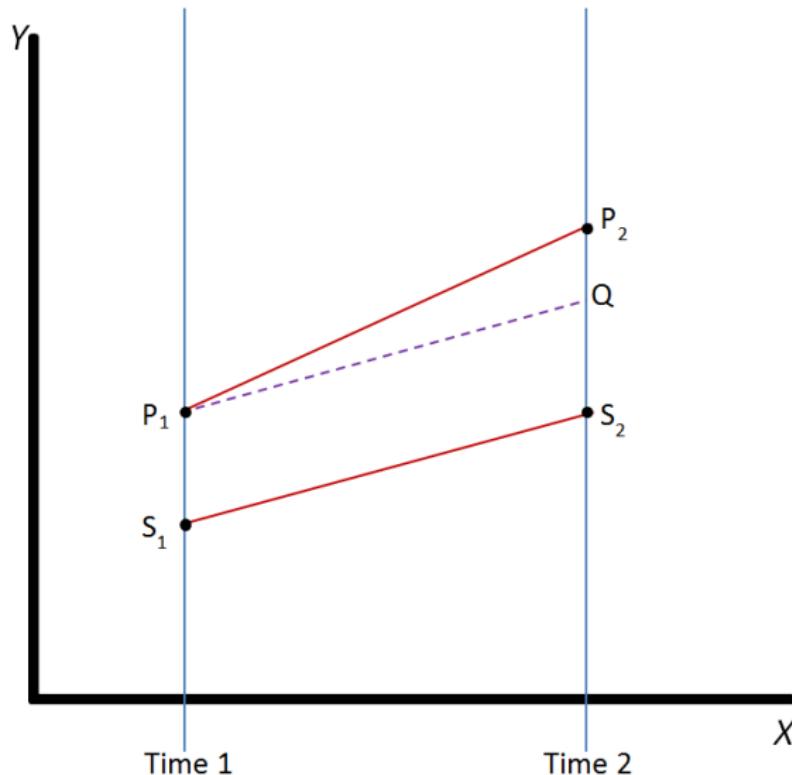


Figure 3: Illustration of Diff-in-Diff Estimation

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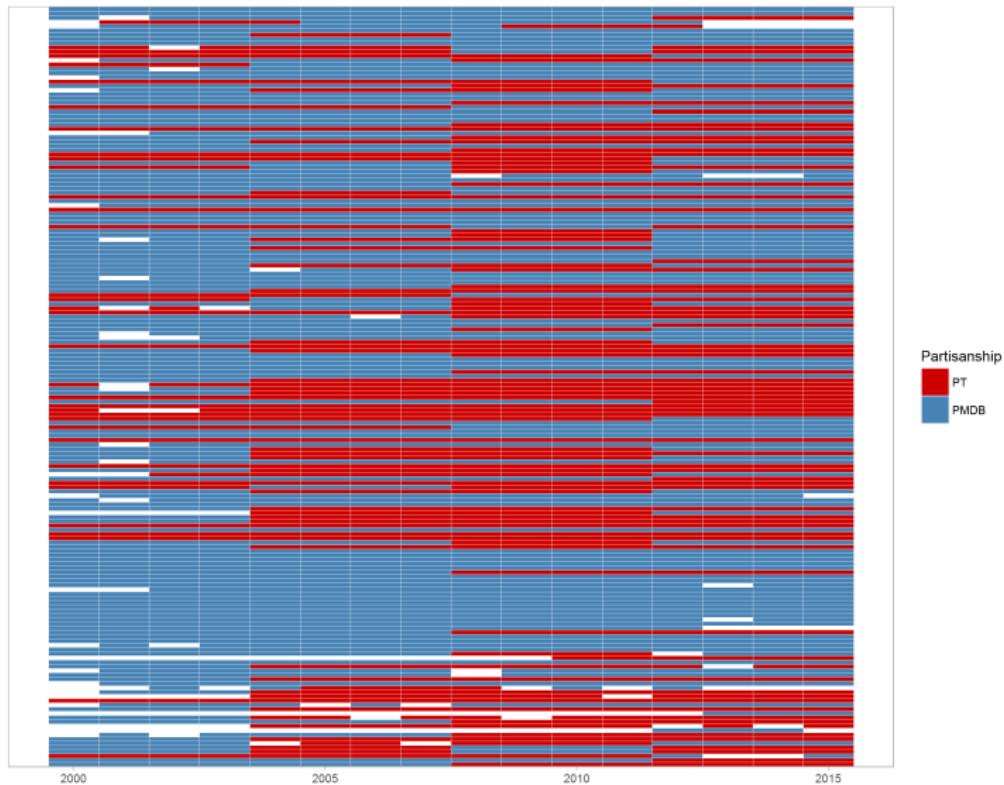
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  - ▶  $\hat{\tau}^{DiD} = \frac{1}{\sum_{i=1}^N \sum_{t=1}^{T_i-F} c_{it}} \sum_{i=1}^N \sum_{t=1}^{T_i-F} c_{it} (\widehat{Y_{i,t+F}(1)} - \widehat{Y_{i,t+F}(0)})$

# Heat Map of PT and PMDB municipalities



Thank you! Please send comments to **galileuk@princeton.edu**