Providing protection or misaligning incentives? The effects of labor unions on innovation

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Abstract

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Keywords JEL Classification

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misaligned incentives hypothesis

input

output

2. Background and relation to the existing literature

2.1 Background discussion

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2.2 Relation to the existing literature

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3. Data and descriptive statistics

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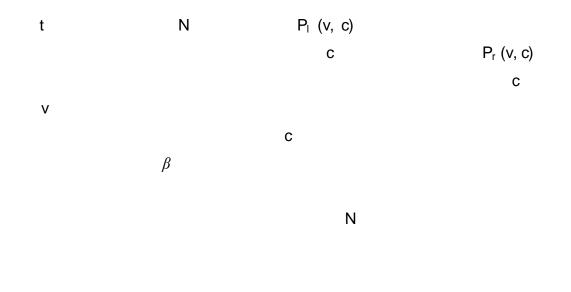
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4.2 Main RDD results

$$L (I \quad a \quad {}_{+N}) = \alpha + \beta U \quad a \quad + P(, c) + P(, c) + \varepsilon$$



Unionization

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Unionization

misaligned incentives hypothesis

4.3 Robustness checks

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4.5 Right-to-work legislation

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Unionization

R&D/Assets

Unionization

5.2 Inventor productivity

5.3 Inventor departures

No. of Top Leavers

Ln (1+No. of Top Leavers)

Unionization

Unionization

6. Conclusion

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Journal of Econometrics			

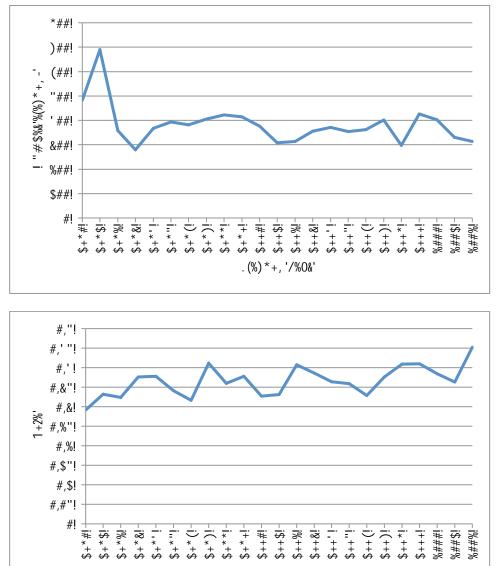
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Review of Economic Studies

Journal of Financial Economics

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	Journal			
of Financial Economics,	Review of			
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Figure 1 Number of union elections and passage rates by year



. (%) * + , '3%0&'

Figure 2 Distribution of votes

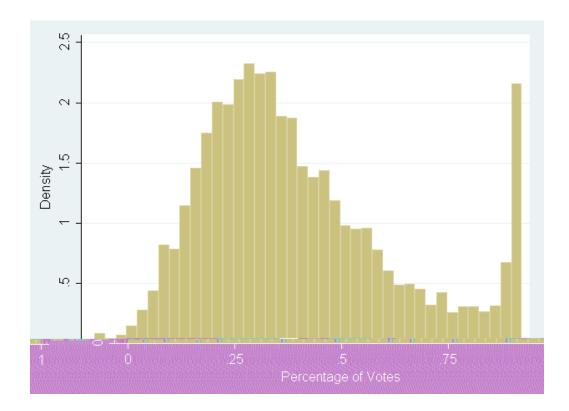


Figure 3 Density of union vote shares

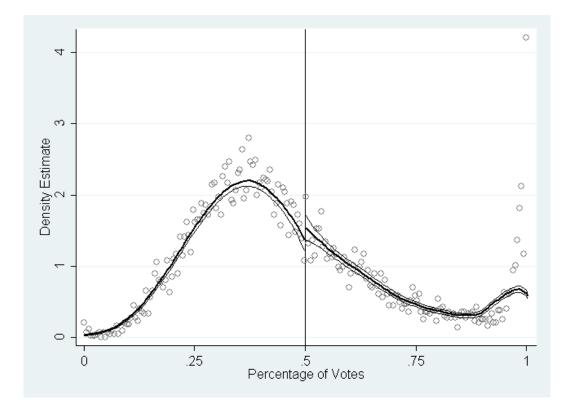


Figure 4 Regression discontinuity plots

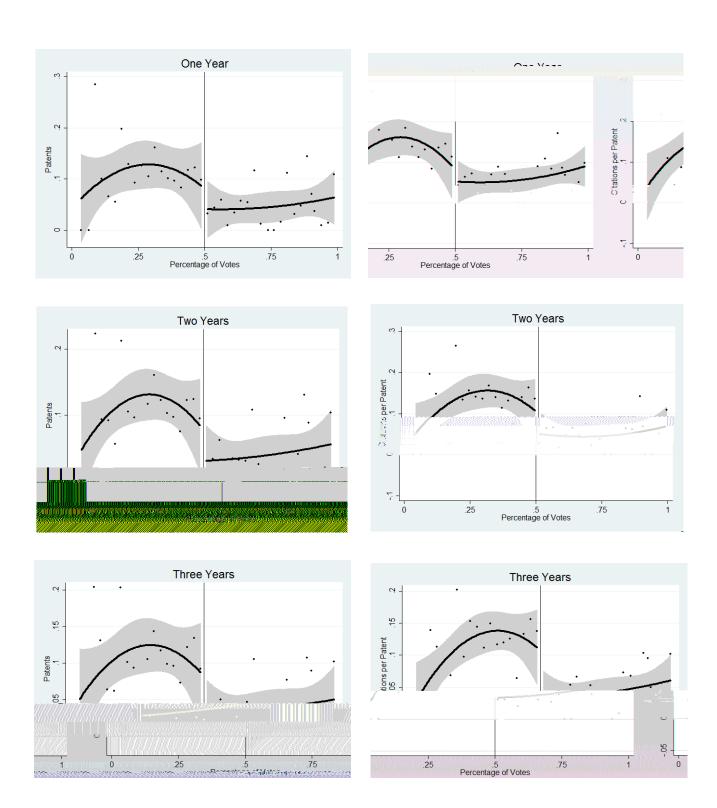


Figure 5 RDD bandwidths

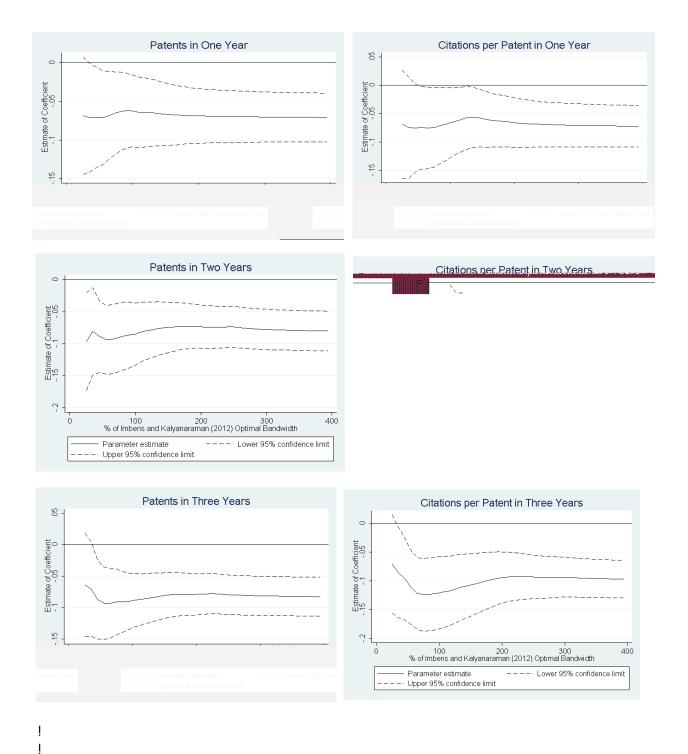


Figure 6 Placebo tests

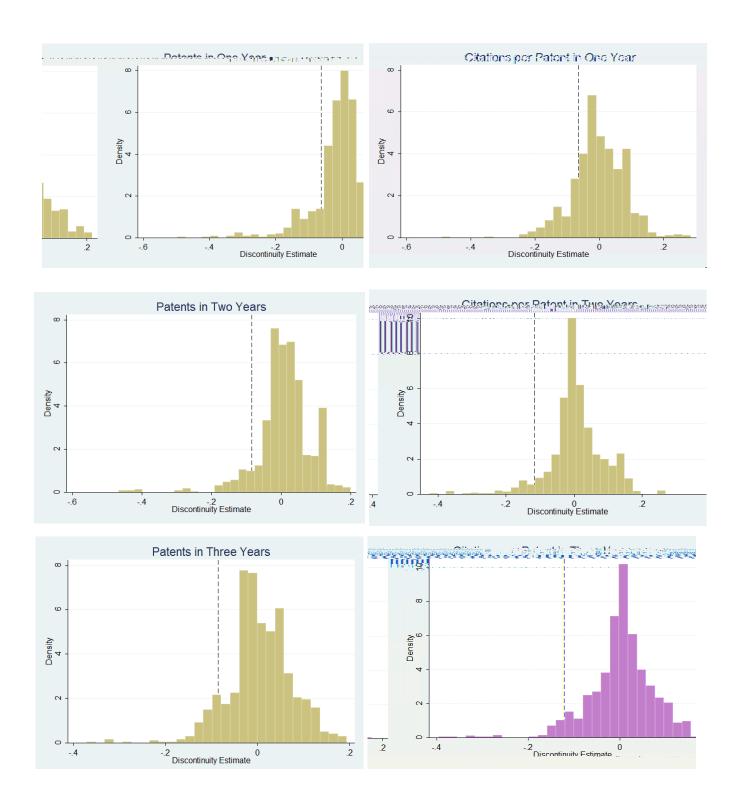


Table 1Descriptive Statistics

Panel A: Election and innovation statistics

Union election statistics

 Table 2

 Difference in observable characteristics between unionized and non-unionized firms

Ln(Patent) Ln(Citations/Patent) Ln (Assets) Ln (1+BM) ROA PPE/Assets Capx/Assets Debt/Assets Ln (1+Firm Age) HHI

Table 4Regression discontinuity: Local polynomial

Table 5Manufacturing and non-manufacturing industries

Manufacturing industries (1-digit SIC codes 2 and 3)

Non-manufacturing industries (1-digit SIC codes 0-1, 4-9)

Table 6 Right-to-work laws

States with right-to-work laws

States without right-to-work laws

Table 7R&D expenditures

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Table 8Innovator productivity

Innovation Productivity: Stayers

Innovation Productivity: New Hires

Table 9Inventor departures

Productivity: Leavers

Number of Leavers