

Who Gets Protection from Protectionism? Evidence from the Buy American Act

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Who Drives Protectionist Policies?

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- For decades, tariff authority delegated to the president
⇒ insulate from congressional protectionist pressures
- BUT today's protectionism ("industrial policy") largely initiated by the executive branch

Buy American Act (BAA) as Protectionist Policy



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BAA (April 2017): tighter restrictions on firms with foreign suppliers, particularly **Chinese** suppliers. But the implementation has been uneven.

Research Question

Q: Why are some firms insulated from protectionist enforcement, while others face stricter scrutiny?

Our Argument

BAA effects are more salient among firms without **legislators' protection**

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- **Demand**-side of political favoritism: firms' lobbying, campaign contributions

Constructing Main Dataset

Main dataset: firm $\times$ agency $\times$ quarter pair during **2015 Q1 - 2019-Q4**

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 - 47% (1,017 firms) with at least one non-US, non-Chinese supplier

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3. 12,858 firm $\times$ agency pairs with *at least* one contract during FY 2010-2023
 - unique 72 agencies

Empirical Strategy: DID

Using firm $\times$ agency $\times$ quarter-level data of 257,140 obs (=12,858 pairs $\times$ 20 quarters):

$$\log(Y_{it}) = \tau D_{it} + \alpha_i + \delta_t + \epsilon_{it} \quad (1)$$

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- τ : effect of BAA on *selected* firms

Constructing Control Groups and Estimation

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 - ex) Firms with Chinese suppliers with Republican legislator districts vs with only US suppliers

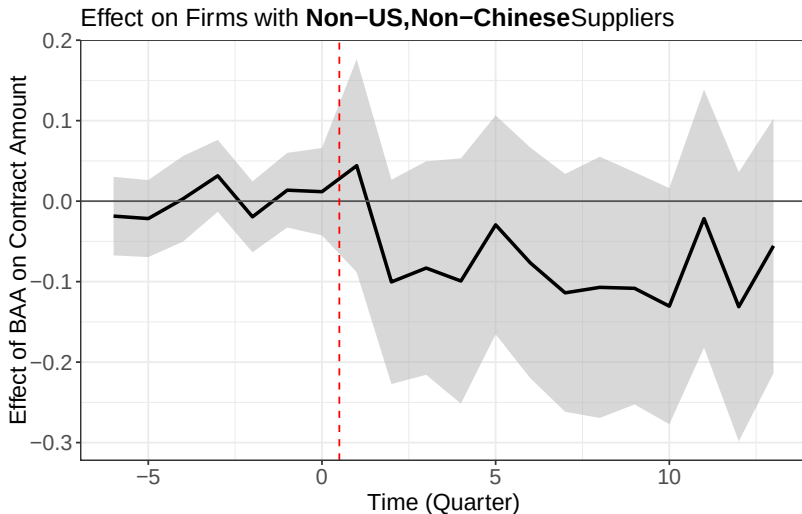
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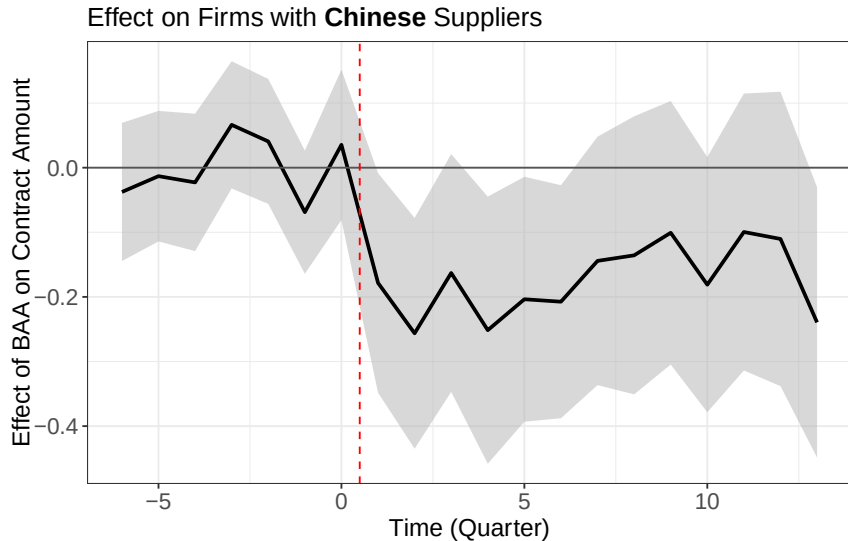
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- Based on control firms, use FEct for estimation (Xu, Lui, and Wang 2024) $\Rightarrow$ identical to TWFE

Little Impact on Firms with non-US, non-Chinese Suppliers



But Negative Impact on Firms with Chinese Suppliers



Negative Impacts on Firms w/o Congressional Protection

	<i>Dependent Variable: log(Contract Amount)</i>					
	House Rep in Important Committees		House Rep Partisanship		House Rep with Local Roots	
	Yes (1)	No (2)	Republican (3)	Democratic (4)	Yes (5)	No (6)
Effect of BAA	0.411** (0.126)	-0.553*** (0.106)	-0.046 (0.114)	-0.317** (0.116)	0.156 (0.215)	-0.293** (0.092)

Note: Bootstrapped clustered SEs. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$.

Addressing Alternative Explanations

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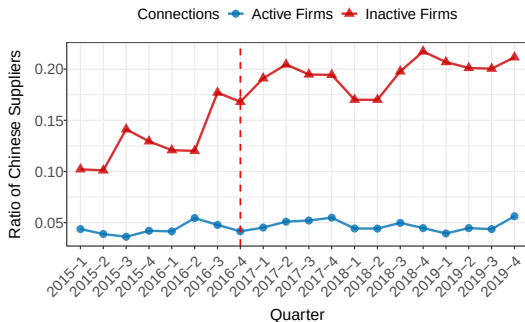
- Construct separate outcomes for each product/service **Product Type**

3. Agency politicization

BAA Effects on Reliance on Chinese Suppliers

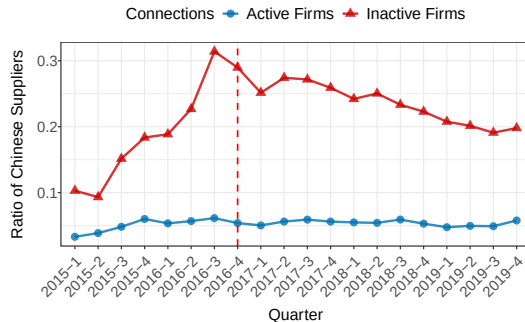
(a) Legislators in Powerful Committees

Districts with Legislators in Powerful Committees



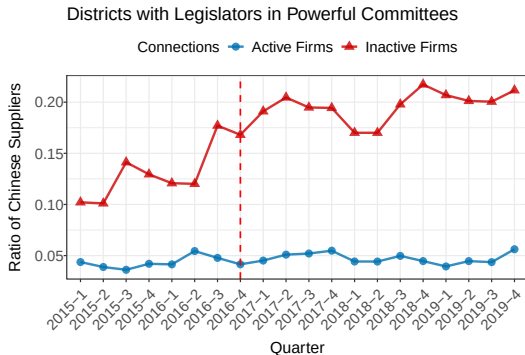
(b) Legislators Not in Powerful Committees

Districts with Legislators Not in Powerful Committees

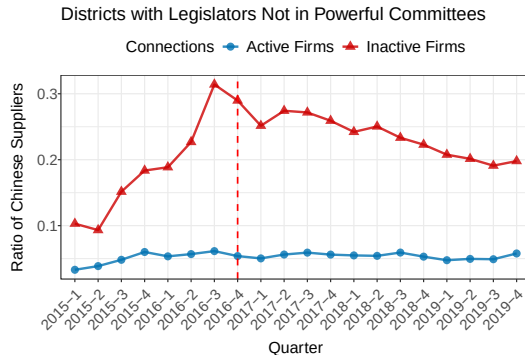


BAA Effects on Reliance on Chinese Suppliers

(a) Legislators in Powerful Committees



(b) Legislators Not in Powerful Committees



After BAA, only politically inactive firms in Figure (b) increased their reliance on U.S. suppliers

Implications

- The role of legislators amid presidential dominance in trade policies

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- The role of legislators amid presidential dominance in trade policies
- Existing studies focus on the **choice** of protectionist policies, but **actual implementation** also matters

Thank You!

Appendix

BAA Background

TAA Application

Treatment

Why 2016-Q4?

Firm Characteristics

HQ Country

Industry

Entity Type

Data

GVC Data Structure

Descriptive Statistics

Top3 Contract Amount

New Contracts

Contract Termination

Contributions by Party

Supplementary Results

2016 Contribution

Product Type

Party Alignment

TAA Application on Foreign Countries

Trade Agreement	Parties	Dollar Threshold Above which Buy American Act Requirements Are Waived
World Trade Organization Government Procurement Agreement	Armenia, Aruba, Austria, Belgium, Bulgaria, Canada, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hong Kong, Hungary, Iceland, Ireland, Israel, Italy, Japan, Republic of Korea, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Moldova, Montenegro, the Netherlands, New Zealand, Norway, Poland, Portugal, Romania, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Taiwan (known in the World Trade Organization as "the Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu (Chinese Taipei)"), Ukraine, United Kingdom);	180,000
Free Trade Agreements (FTA): Australia FTA	Australia	80,317
Free Trade Agreements (FTA): Bahrain FTA	Bahrain	180,000
Free Trade Agreements (FTA): Central America-Dominican Republic Free Trade Agreement	Costa Rica, Dominican Republic, El Salvador, Guatemala, Honduras, and Nicaragua	80,317
Free Trade Agreements (FTA): Chile FTA	Chile	80,317
Free Trade Agreements (FTA): Columbia FTA	Columbia	80,317
Free Trade Agreements (FTA): Korea FTA	Republic of Korea	100,000
Free Trade Agreements (FTA): Morocco FTA	Morocco	180,000
Free Trade Agreements (FTA): North American Free Trade Agreement	Canada	25,000
	Mexico	80,317
Free Trade Agreements (FTA): Oman FTA	Oman	180,000
Free Trade Agreements (FTA): Panama FTA	Panama	180,000
Free Trade Agreements (FTA): Peru FTA	Peru	180,000
Free Trade Agreements (FTA): Singapore FTA	Singapore	80,317
Israeli Trade Act	Israel	50,000

Source: Federal Acquisition Regulation | GAO-19-17

Why 2016-Q4?



Appendix



Donald J. Trump 
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Thank you Florida. My Administration will follow two simple rules: BUY AMERICAN and HIRE AMERICAN! #ICYMI-
Watch: facebook.com/DonaldTrump/vi...

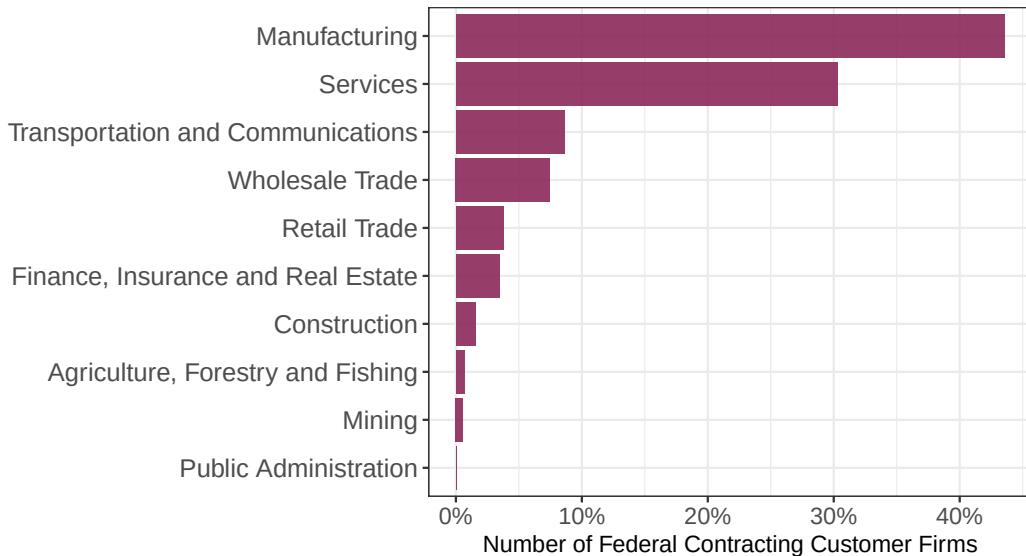


GVC Data Structure

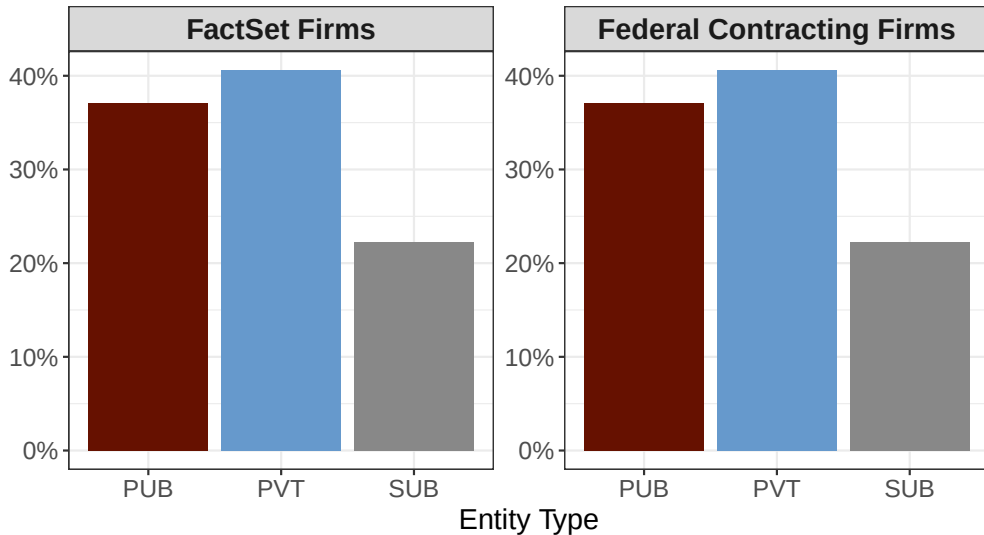
ID	Quarter	Customer Firms			Supplier Firms		
		Name	Country	Industry	Name	Country	Industry
1	2016 Q1	General Motors Co.	US	Transportation	ZYF Lopsking Material Tech	CN	Primary Metal
1	:		:		:		
1	2017 Q1	General Motors Co.	US	Transportation	ZYF Lopsking Material Tech	CN	Primary Metal
2	2017 Q2	General Motors Co.	US	Transportation	LG Corp.	KR	Electronic
3	2017 Q3	General Motors Co.	US	Transportation	Honeywell International	US	Transportation
4	2016 Q4	The Boeing Co.	US	Transportation	Rockwell Collins, Inc.	US	Manufacturing
5	2016 Q4	The Boeing Co.	US	Transportation	Shang Gong Group	CN	Machinery
6	2016 Q4	The Boeing Co.	US	Transportation	Fixstars Corp.	JP	Business Services

Appendix

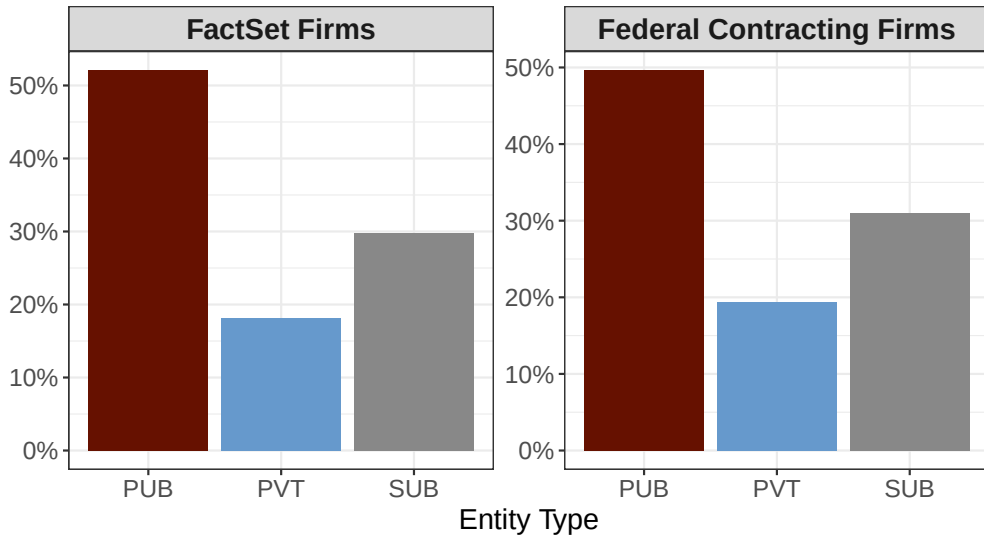
Top 10 Industries of Customer Firms



Customer Firms by Entity Type



Supplier Firms by Entity Type



Descriptive Statistics I

	Firms with US Suppliers	Firms with Non-US Suppliers	Firms with Chinese Suppliers	
			Politically Active	Politically Inactive
<i>Panel A: Procuring Firms</i>				
log(Total Contracts 15-16)	9.80 (11.37)	10.71 (12.42)	15.51 (16.92)	11.29 (12.89)
Being a Small Firm	0.24 (0.00)	0.19 (0.00)	0.01 (0.00)	0.10 (0.00)
N	891	903	77	101
<i>Panel B: Political Leverage</i>				
H. Rep Important Committees	0.30 (0.00)	0.28 (0.00)	0.30 (0.00)	0.37 (0.00)
Republican Legislators	0.42 (0.00)	0.36 (0.00)	0.44 (0.00)	0.37 (0.00)
Local Roots	0.21 (0.00)	0.24 (0.00)	0.18 (0.00)	0.16 (0.00)
log(Rep Contributions 16)	0.55 (0.00)	1.63 (0.00)	11.88 (12.01)	0.00 (0.00)
log(Dem Contributions 16)	0.46 (0.00)	1.42 (0.00)	10.73 (11.36)	0.00 (0.00)
N	891	903	77	101

Descriptive Statistics II

	Firms with US Suppliers	Firms with Non-US Suppliers	Firms with Chinese Suppliers	
			Politically Active	Politically Inactive
<i>Panel C: Orbis</i>				
log(Total Assets 15-16)	19.78 (19.80)	20.71 (21.02)	24.01 (24.14)	21.88 (22.05)
N	209	466	64	63
<i>Panel D: Compustat</i>				
Total Factor Productivity 15-16	3.32 (3.57)	4.61 (5.27)	11.86 (12.33)	7.84 (8.56)
N	141	382	62	57

Top 3 Firms by Contract Amount Appendix

Panel A: US vs. Non-US Suppliers

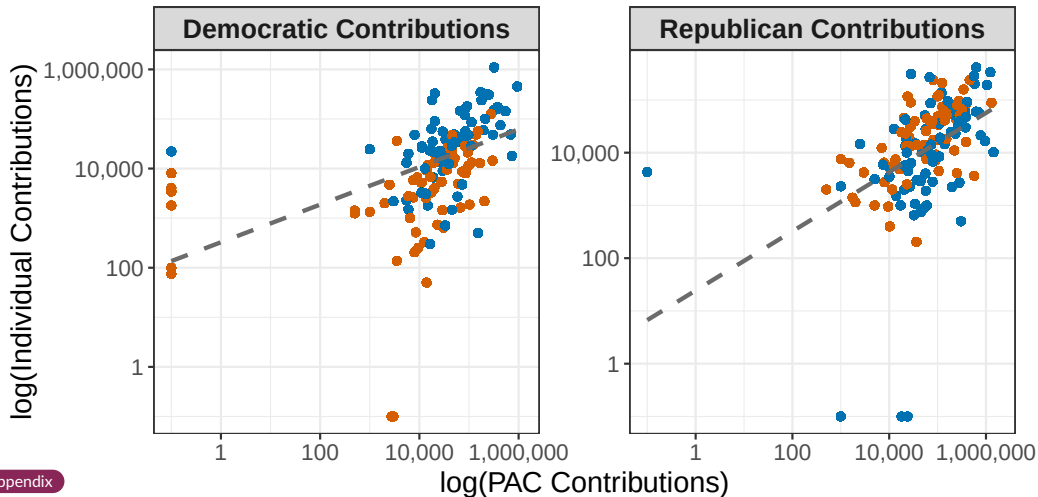
Rank	US Suppliers	Non-US Suppliers
Top 1	Booz Allen Hamilton Holding Corp. (\$7.26B)	Lockheed Martin Corp. (\$77.87B)
Top 2	Los Alamos National Security LLC (\$4.44B)	Northrop Grumman Corp. (\$22.04B)
Top 3	United Launch Alliance LLC (\$3.52B)	McKesson Corp. (\$17.36B)

Panel B: Firms with Chinese Suppliers

Rank	Politically Active	Politically Inactive
Top 1	The Boeing Co. (\$41.07B)	HP, Inc. (\$3.29B)
Top 2	Raytheon Co. (\$25.11B)	Arrow Electronics, Inc. (\$0.53B)
Top 3	Honeywell International, Inc. (\$4.09B)	DaVita, Inc. (\$0.41B)

PAC and Individual Contributions

Political Connections ● Non-Republican ● Republican



No Impact on Republican-Connected Firms with Chinese Suppliers

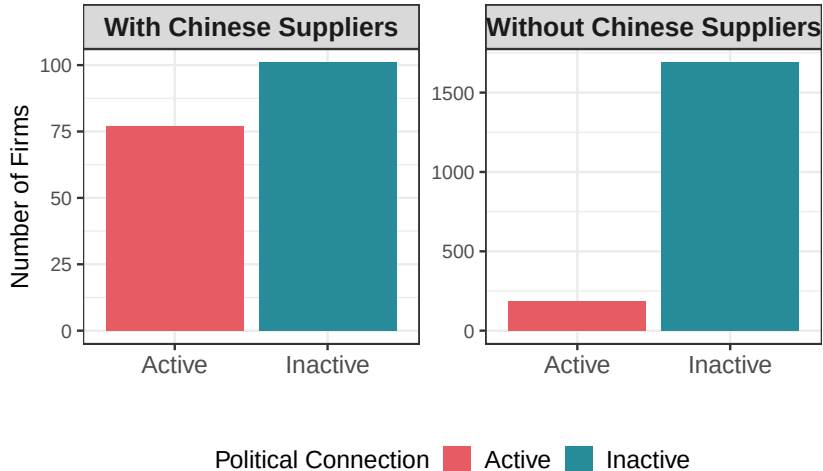
Appendix

	<i>Dependent Variable: log(Contract Amount)</i>		
	Republican-Connected Firms with Chinese Suppliers	Non-Republican Firms with Chinese Suppliers	
		Politically Inactive	Democratic-Connected
	(1)	(2)	(3)
Effect of BAA	-0.129 (0.300)	-0.348*** (0.100)	-0.102 (0.587)
Number of Firms	70	109	8

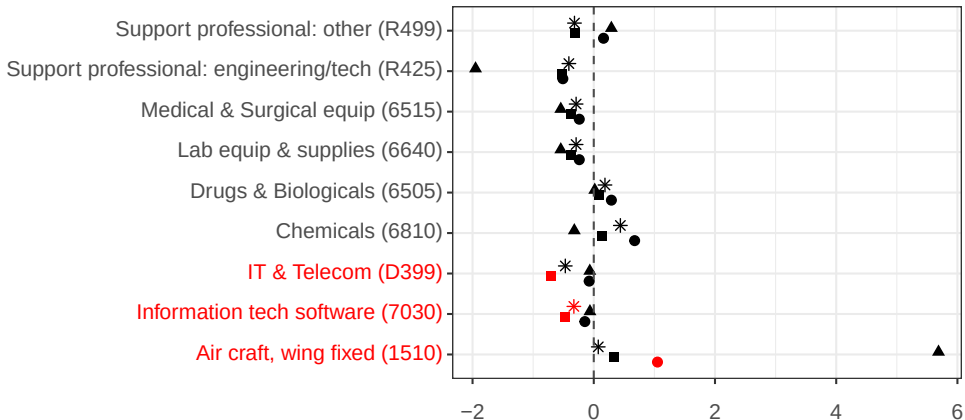
Note: Bootstrapped standard errors. * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$.

Data on Firms' Campaign Contributions

Use 2016 cycle PACs' campaign contributions to categorize 1,958 firms as (1) politically active and (2) politically inactive



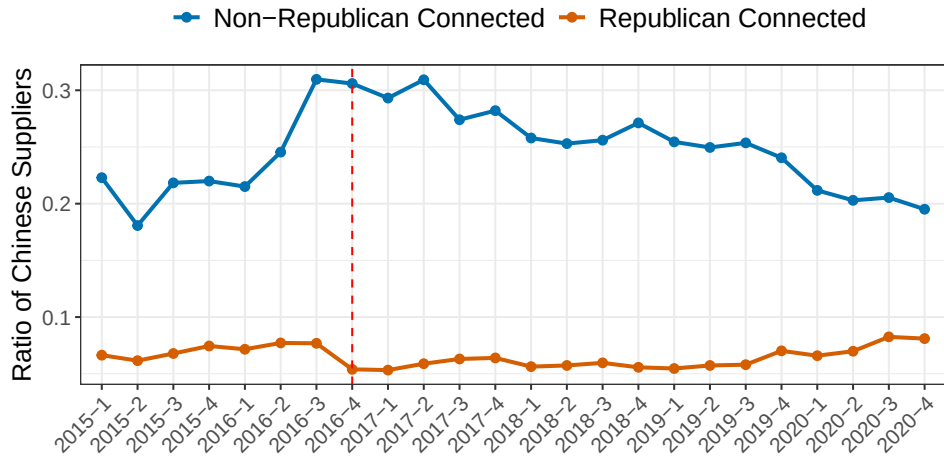
BAA Effects by Product Type



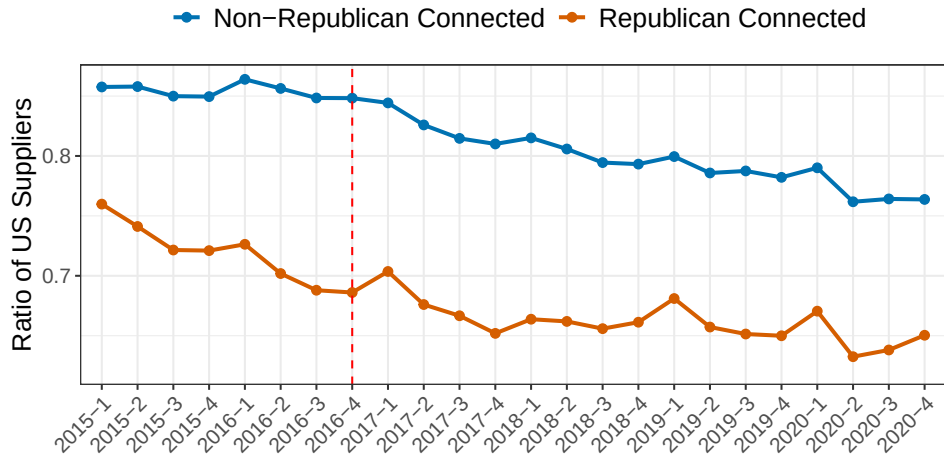
Legislators' Characteristics

- In Important Committees
- Not in Important committees
- ▲ With Local Roots
- * Without Local Roots

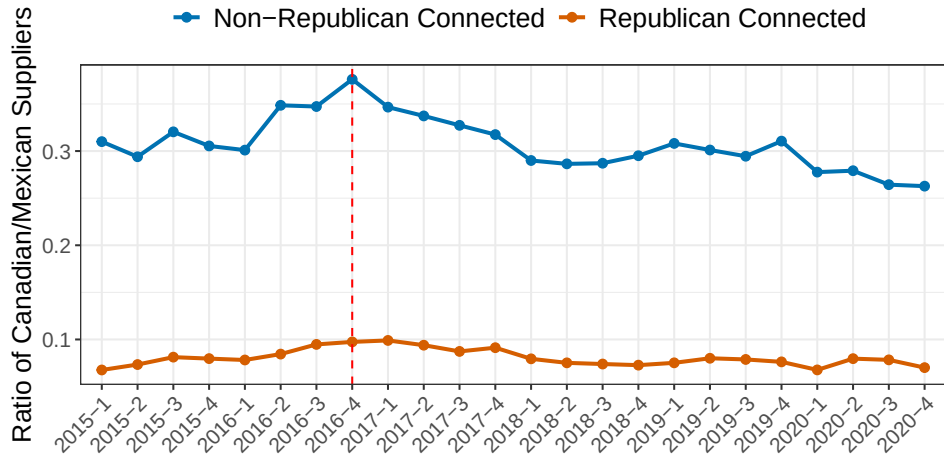
Firms' Reliance on Chinese Suppliers Overtime



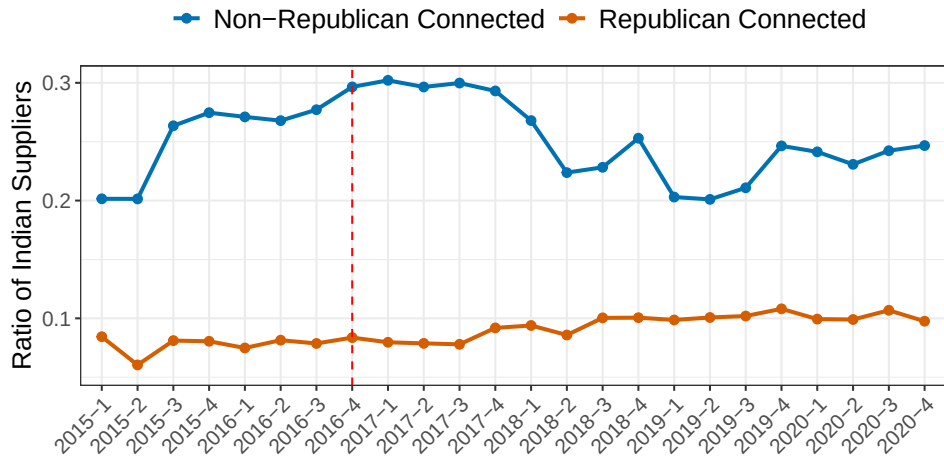
BAA Did Not Increase Firms' Reliance on US Suppliers



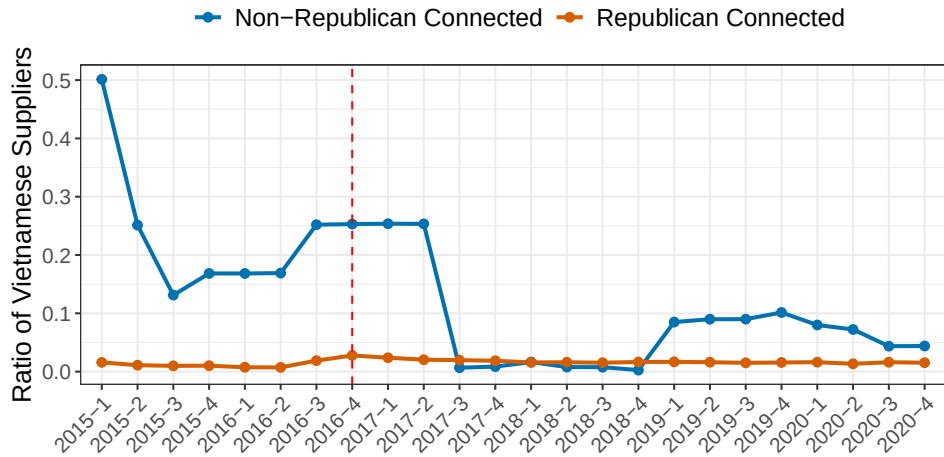
BAA and Firms' Reliance on Canadian/Mexican Suppliers



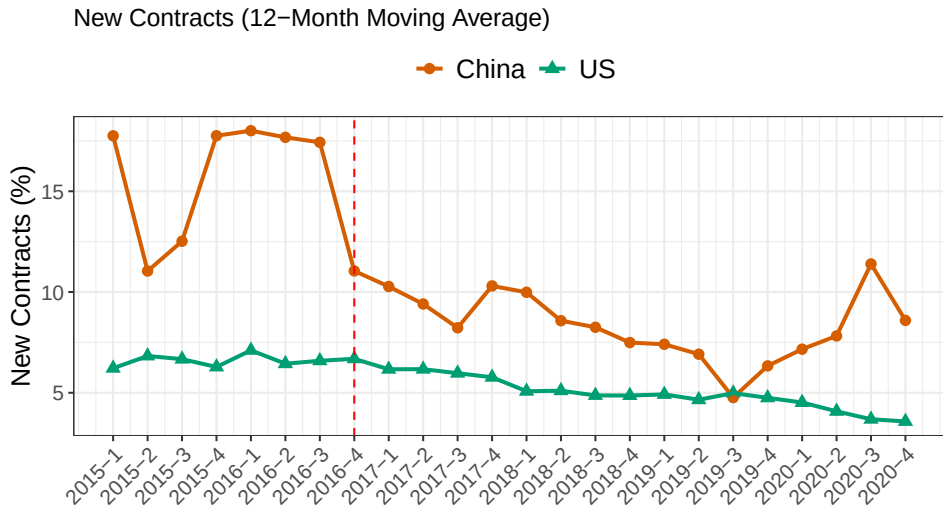
BAA and Firms' Reliance on Indian Suppliers



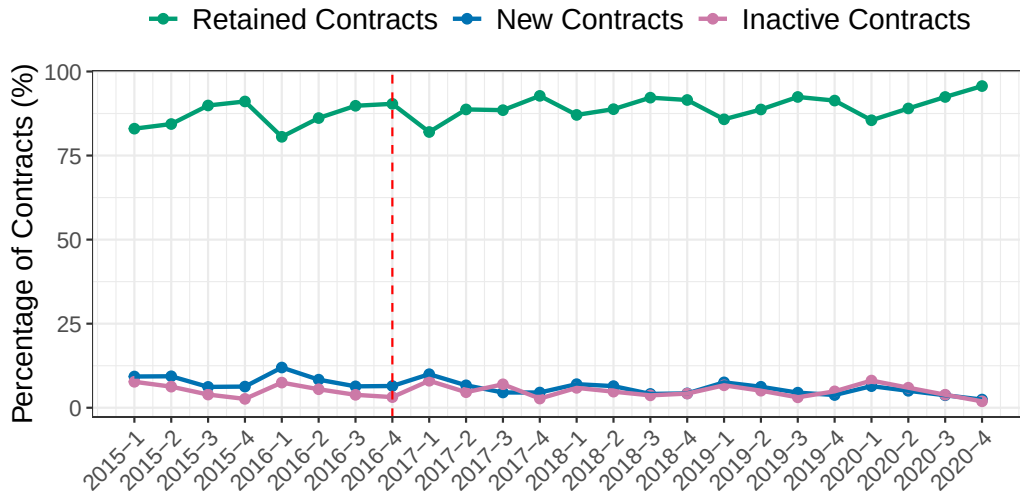
BAA and Firms' Reliance on Vietnamese Suppliers



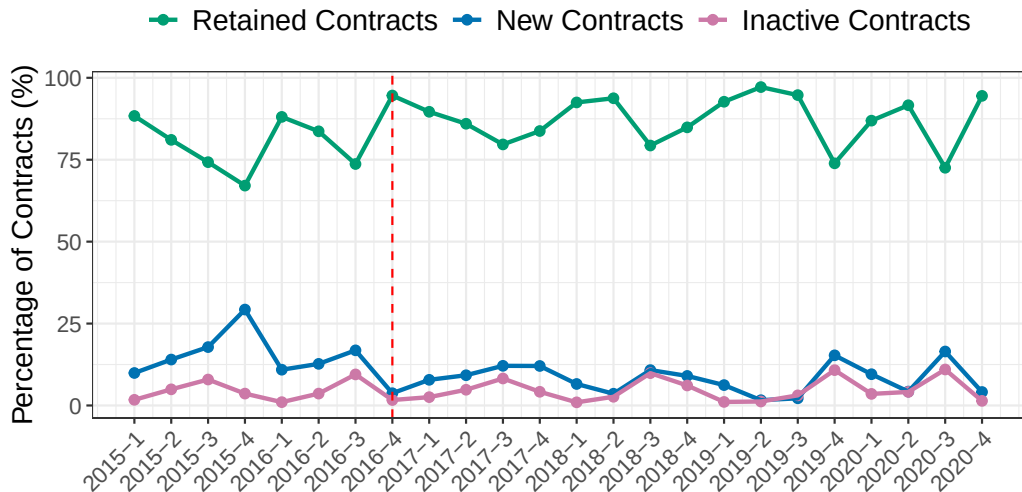
New Contracts After BAA



Supply Chain Contract Changes



China Contract Changes



Data on Firms' Campaign Contributions

Use 2016 cycle PACs' campaign contributions to categorize 1,958 firms as (1) politically inactive, (2) Republican- connected, (3) Democratic-connected

