

Supporting Information

(For Online Publication)

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A Crosswalk between LDA Issue Codes & PAP/CAP Major topic codes

The crosswalk we used to connect LDA reports to CAP/PAP Major Topic Codes is based on those of [Potter \(2019\)](#) and [Curry \(2015\)](#). However, these crosswalks did not include all issues appearing in either source. Before adding such issues to our crosswalk, we each matched LDA code to PAP code and conferred to resolve the few issues where we matched LDA codes to PAP codes differently.

Table A.1: PAP Major Topics to LDA Issue Codes Crosswalk

PAP Major Topic Code	PAP Description	LDA Code	LDA Description
1	Macroeconomics	MAN	Manufacturing
1	Macroeconomics	TAX	Taxation/Internal Revenue Code
1	Macroeconomics	UNM	Unemployment
2	Civil Rights, Minority Issues, Civil Liberties	CIV	Civil Rights/Civil Liberties
2	Civil Rights, Minority Issues, Civil Liberties	REL	Religion
2	Civil Rights, Minority Issues, Civil Liberties	RET	Retirement
3	Health	ALC	Alcohol & Drug Abuse
3	Health	BEV	Beverage Industry
3	Health	HCR	Health Issues
3	Health	INS	Insurance
3	Health	MED	Medical/Disease Research/Clinical Labs
3	Health	MMM	Medicare/Medicaid
3	Health	PHA	Pharmacy
3	Health	TOB	Tobacco
4	Agriculture	AGR	Agriculture
4	Agriculture	FOO	Food Industry (Safety, Labeling, etc.)
5	Labor, Employment, Immigration	IMM	Immigration
5	Labor, Employment, Immigration	LBR	Labor Issues/Antitrust/Workplace
6	Education	EDU	Education
7	Environment	ANI	Animals
7	Environment	CAW	Clean Air & Water (Quality)
7	Environment	CHM	Chemicals/Chemical Industry
7	Environment	ENV	Environmental/Superfund
7	Environment	WAS	Waste (hazardous/solid/interstate/nuclear)
8	Energy	ENG	Energy/Nuclear
8	Energy	FUE	Fuel/Gas/Oil
8	Energy	UTI	Utilities
10	Transportation	AVI	Aviation/Aircraft/Airlines
10	Transportation	ROD	Roads/Highway

10	Transportation	RRR	Railroads
10	Transportation	TRA	Transportation
10	Transportation	TRU	Trucking/Shipping
12	Law, Crime, and Family Issues	FAM	Family Issues/Abortion/Adoption
12	Law, Crime, and Family Issues	FIR	Firearms/Guns/Ammunition
12	Law, Crime, and Family Issues	LAW	Law Enforcement/Crime/Criminal Justice
12	Law, Crime, and Family Issues	TOR	Torts
13	Social Welfare	WEL	Welfare
14	Community Development and Housing Issues	HOU	Housing
14	Community Development and Housing Issues	RES	Real Estate/Land Use/Conservation
14	Community Development and Housing Issues	URB	Urban Development/Municipalities
15	Banking, Finance, and Domestic Commerce	ACC	Accounting
15	Banking, Finance, and Domestic Commerce	ADV	Advertising
15	Banking, Finance, and Domestic Commerce	APP	Apparel/Clothing Industry/Textiles
15	Banking, Finance, and Domestic Commerce	BAN	Banking
15	Banking, Finance, and Domestic Commerce	BNK	Bankruptcy
15	Banking, Finance, and Domestic Commerce	CDT	Commodities (Big Ticket)
15	Banking, Finance, and Domestic Commerce	CPT	Copyright/Patent/Trademark
15	Banking, Finance, and Domestic Commerce	CSP	Consumer Issues/Safety/Protection
15	Banking, Finance, and Domestic Commerce	DIS	Disaster Planning/Emergencies
15	Banking, Finance, and Domestic Commerce	FIN	Financial Institutions/Investments/Securities
15	Banking, Finance, and Domestic Commerce	SMB	Small Business
15	Banking, Finance, and Domestic Commerce	SPO	Sports/Athletics
15	Banking, Finance, and Domestic Commerce	TOU	Travel/Tourism
16	Defense	DEF	Defense
16	Defense	HOM	Homeland Security
16	Defense	INT	Intelligence and Surveillance
16	Defense	VET	Veterans
17	Space, Science, Technology, and Communications	AER	Aerospace
17	Space, Science, Technology, and Communications	COM	Communications/Broadcasting/Radio/TV
17	Space, Science, Technology, and Communications	CPI	Computer Industry
17	Space, Science, Technology, and Communications	MIA	Media (Information/Publishing)
17	Space, Science, Technology, and Communications	SCI	Science/Technology
17	Space, Science, Technology, and Communications	TEC	Telecommunications
18	Foreign Trade	AUT	Automotive Industry
18	Foreign Trade	TAR	Miscellaneous Tariff Bills
18	Foreign Trade	TRD	Trade (Domestic & Foreign)
19	International Affairs and Foreign Aid	FOR	Foreign Relations
20	Government Operations	BUD	Budget/Appropriations
20	Government Operations	CON	Constitution
20	Government Operations	DOC	District of Columbia
20	Government Operations	ECN	Economics/Economic Development

20	Government Operations	GOV	Government Issues
20	Government Operations	MON	Minting/Money/Gold Standard
20	Government Operations	POS	Postal
21	Public Lands and Water Management	GAM	Gaming/Gambling/Casino
21	Public Lands and Water Management	IND	Indian/Native American Affairs
21	Public Lands and Water Management	MAR	Marine/Maritime/Boating/Fisheries
21	Public Lands and Water Management	NAT	Natural Resources
28	Arts and Entertainment	ART	Arts/Entertainment

B Robustness: Clustering Standard Errors at Different Levels

Table B.1 presents the results from several robustness checks of the model reported in the main text with standard errors clustered at other levels. This accounts for the fact that different covariates have values assigned at different levels (e.g., divided government is assigned at the congress level), and so observations of those variables are non-independent. In the main text, we cluster at the issue-period level.

Table B.1: Robustness Check: Clustering Variables

	Standard Errors Clustered By...			
	(1) Client/Registrant	(2) Congress	(3) Issue & Year	(4) Client/Registrant & Congress
Lobbied Executive Branch				
Std Log Lobbyists	0.266*** (0.00848)	0.266*** (0.00868)	0.266*** (0.0116)	0.266*** (0.00567)
Std # Hearings	0.0123** (0.00460)	0.0123 (0.0194)	0.0123 (0.00936)	0.0123* (0.00511)
Std Log Lobbyists x Std # Hearings	0.0483*** (0.00885)	0.0483 (0.0270)	0.0483* (0.0245)	0.0483*** (0.00739)
Std # Exec. Orders	0.00192 (0.00285)	0.00192 (0.00529)	0.00192 (0.00772)	0.00192 (0.00295)
Std Log Lobbyists x Std # Exec. Orders	0.0128 (0.00668)	0.0128 (0.0179)	0.0128 (0.0231)	0.0128* (0.00557)
Std Most Imp. Prob.	0.105*** (0.0133)	0.105*** (0.0280)	0.105*** (0.0285)	0.105*** (0.0141)
Std Log Lobbyists x Std Most Imp. Prob.	-0.0591*** (0.0113)	-0.0591* (0.0276)	-0.0591** (0.0220)	-0.0591*** (0.00808)
Divided Congress	0.0653*** (0.00688)	0.0653* (0.0299)	0.0653*** (0.0103)	0.0653*** (0.00940)
Lobbying Firm Registrant	-0.610*** (0.0202)	-0.610*** (0.0178)	-0.610*** (0.0137)	-0.610*** (0.0112)
Std IGScore Cong-Prez Distance	0.151*** (0.0119)	0.151*** (0.0267)	0.151*** (0.0103)	0.151*** (0.00918)
Constant	-0.229***	-0.229***	-0.229***	-0.229***

	(0.0287)	(0.0427)	(0.0441)	(0.0245)
Lobbied Legislative Branch				
Std Log Lobbyists	0.914*** (0.0149)	0.914*** (0.0260)	0.914*** (0.0171)	0.914*** (0.0104)
Std # Hearings	0.0239*** (0.00592)	0.0239 (0.0134)	0.0239* (0.00973)	0.0239*** (0.00620)
Std Log Lobbyists x Std # Hearings	0.103*** (0.0185)	0.103*** (0.0228)	0.103*** (0.0304)	0.103*** (0.0165)
Std # Exec. Orders	0.0221*** (0.00412)	0.0221*** (0.00581)	0.0221*** (0.00593)	0.0221*** (0.00402)
Std Log Lobbyists x Std # Exec. Orders	0.0790*** (0.0149)	0.0790* (0.0386)	0.0790** (0.0297)	0.0790*** (0.0134)
Std Most Imp. Prob.	-0.142*** (0.0142)	-0.142*** (0.0350)	-0.142*** (0.0248)	-0.142*** (0.0148)
Std Log Lobbyists x Std Most Imp. Prob.	-0.103*** (0.0188)	-0.103*** (0.0114)	-0.103*** (0.0204)	-0.103*** (0.0153)
Divided Congress	-0.0501*** (0.00730)	-0.0501** (0.0181)	-0.0501*** (0.00860)	-0.0501*** (0.0103)
Lobbying Firm Registrant	0.787*** (0.0217)	0.787*** (0.00986)	0.787*** (0.0126)	0.787*** (0.0119)
Std IGScore Cong-Prez Distance	-0.127*** (0.0128)	-0.127*** (0.0190)	-0.127*** (0.00773)	-0.127*** (0.00986)
Constant	0.714*** (0.0297)	0.714*** (0.0570)	0.714*** (0.0443)	0.714*** (0.0254)
Issue Area FE	Yes	Yes	Yes	Yes
Observations	1099597	1099597	1099597	1099597
ρ	-1.000***	-1.000***	-1.000***	-1.000***
Log likelihood	-908858.8	-908858.8	-908858.8	-908858.8
Wald $\chi^2(1)$ Leg & Exec Models Independent	818.2	514.7	336.4	1025.0

Standard errors in parentheses. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

SI References

Curry, J. M. (2015), *Legislating in the Dark: Information and Power in the House of Representatives*, University of Chicago Press.

Potter, R. A. (2019), *Bending the Rules*, University of Chicago Press.