

Step 1.

Collect all newspaper articles from 1995 through 2013 that relate to biofuel

6500

English-language news sources utilized

1 million

biofuel-related articles collected

Step 4.

Determine the marginal effects for state-level biofuel policies. This shows how enacted policy may influence the biofuel TIS article count for each state each year

Policies/Functions	F1	F2	F3	F4	F5	F6
AEV Manufacturer Incentives						
Fuel Use Incentives						
Aftermarket Conversion						17
Air Quality Emission Regulation	37	37	227	20	53	
Alternative Fuel Dealer Incentives						28
Alternative Fuel Producer Incentives						
Alternative Fuel Purchaser		_10	-72			-14
Climate Change/Energy		-13	-12			- 1
Initiatives	43	46	278	19	71	
Idling Regulation	22	27	180	11	28	43
Exemption from Restrictions						
Fleet Purchaser/Manger						
Incentives						28
Fuel Economy Requirements	13	22	108	7		
Fuel Production/Quality						
Regulation	18	28	157	8	32	28
Alternative Fuel Tax Rates						
Alternative Fuel Station						
Incentives				6		
Grants				-4		
Loans and Leases		40		6		A (
Rebates		-16				-18
Regulation of Licensing				4		22
Renewable Fuel Standard/			. – .			
	24	. 38	151	6	48	
lax incentives						
Vehicle Owner/Driver Incentive	12	29	148	5	20	37

Note: only significant marginal effects are shown, and results consider only ethanol.

Step 5.

UCDAVIS

Assess which innovation functions are significantly correlated with deployment and adoption of biofuel technologies

SUSTAINABLE TRANSPORTATION ENERGY PATHWAYS An Institute of Transportation Studies Program

Evaluating Policy Efficacy Jeff Kessler

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Note: only significant marginal effects are shown, and results consider only ethanol.





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Resource Mobilization (F1)	1150
Market Formation (F2)	ient
Legitimation (F3)	Basic
Knowledge development and diffusion (F4)	disco
Influence the Direction of Search (F5)	
Entrepreneurial Experimentation (F6)	- BUSINESS
Development of Positive External Economies (F7)

ng for a given TIS ne state level					
ol ction sand s)	FFV Stations (No. Stations)				
13.16	0.03				
-32.68	-0.03				
10.95	0.01				
-19.67	-0.02				

regulations, and dealership incentives may be most effective at encouraging further adoption of ethanol and FFVs.

