



Political Marketing: Bipartisanship Signaling


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SIGNIFICANCE

Campaign Spending

2000: \$3.1B

2024: \$15.9B

416% 

(OpenSecrets, 2024)




PROJECTS

Elitism Signaling

Elite status without coming from
as elitist

E.g. Self funded education in Columbia Law

Bipartisanship Signaling

 opposition voters + 🗳️ base
supporters & Super PAC

E.g. Democrat in Conservative district
supporting gun control





"I am Jackie Rosen and six years ago. I promised to do what's right for Nevada, not my party leaders. I won't walk the party line and I never have ... I stood up to my own party to support police officers and get more funding for border security"



"In congress, I have stood up to the president and my own party. I condemned our handling of the border, and I have worked hard to secure our border"



"Marie Perez is taking on the Biden administration and her party to secure the southern border and improve public safety ... I will do whatever it takes to secure the border and keep Washington safe"



"Jared isn't afraid to stand up to his own party to keep Mainers safe, voting for billions of dollars to support law enforcement and to secure our border"



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(1) Bipartisanship Signaling

 opposition voters
+  base supporters
& Super PAC

E.g. Democrat in
Conservative district
supporting gun control

(2) Elitism Signaling

Elite status without
coming from as
elitist

E.g. Self funded
education in Columbia
Law



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"In congress, I have stood up to the president and my own party. I condemned our handling of the border, and I have worked hard to secure our border"



"Marie Perez is taking on the Biden administration and her party to secure the southern border and improve public safety ... I will do whatever it takes to secure the border and keep Washington safe"

Discover whether bipartisanship helps or hurts candidates?



PARTY ID

Democrat,
Republican, or
Independent



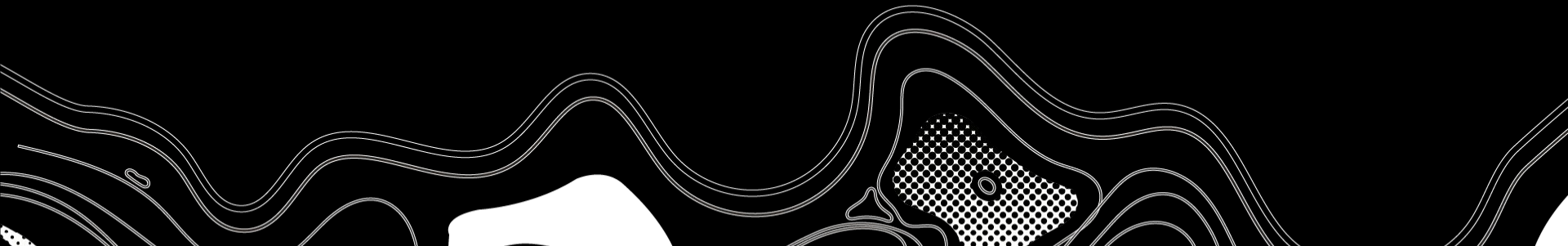
VALUES

Via tweets



PARTY ALIGNMENT

Align with party?



METHOD

Does bipartisanship help or hurt candidates?

1

PARTY ID
Democrat,
Republican, or
Independent

2

VALUES
Via tweets

3

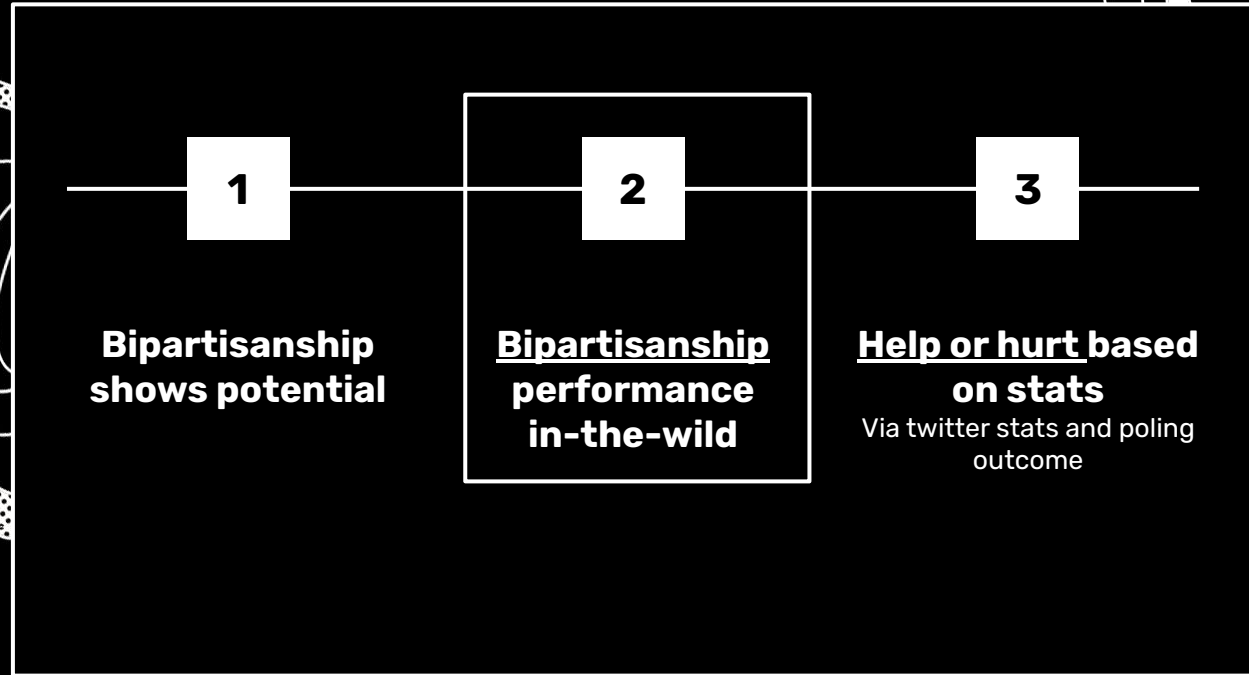
**PARTY
ALIGNMENT**
Align with party?

**Whether bipartisanship
helps or hurts candidates?**

**How to “do” bipartisanship
effectively?**



METHOD



Identify more bipartisanship



PARTY ID

Democrat,
Republican, or
Independent



VALUES

Via tweets



PARTY ALIGNMENT

Align with party?



TWEET LABELING

01

MANUAL LABEL

Label ~2200 out of
1M tweets

03

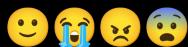
IMPLEMENTATION

Try GPT 3.5, GPT 4o,
Claude 3 Opus,
Claude 3.5 Sonnet

02

LLM SENTIMENT

Sentiment:



Metric	Macro Precision	Macro Recall	Macro F1	Accuracy
Claude 3 Opus	0.515	0.494	0.445	0.614
Claude 3.5 Sonnet	0.593	0.622	0.581	0.729
ChatGPT 3.5 Turbo	0.490	0.378	0.089	0.083
ChatGPT 4o	0.518	0.606	0.460	0.573

Claude 3 Opus

		Ground Truth		
Model Prediction	congruent	0.87	0.67	0.50
	bipartisan	0.06	0.22	0.05
	irrelevant	0.07	0.11	0.45

Claude 3.5 Sonnet

Model Prediction

congruent	0.93	0.56	0.38
bipartisan	0.01	0.33	0.02
irrelevant	0.06	0.11	0.60

ChatGPT 3.5 Turbo

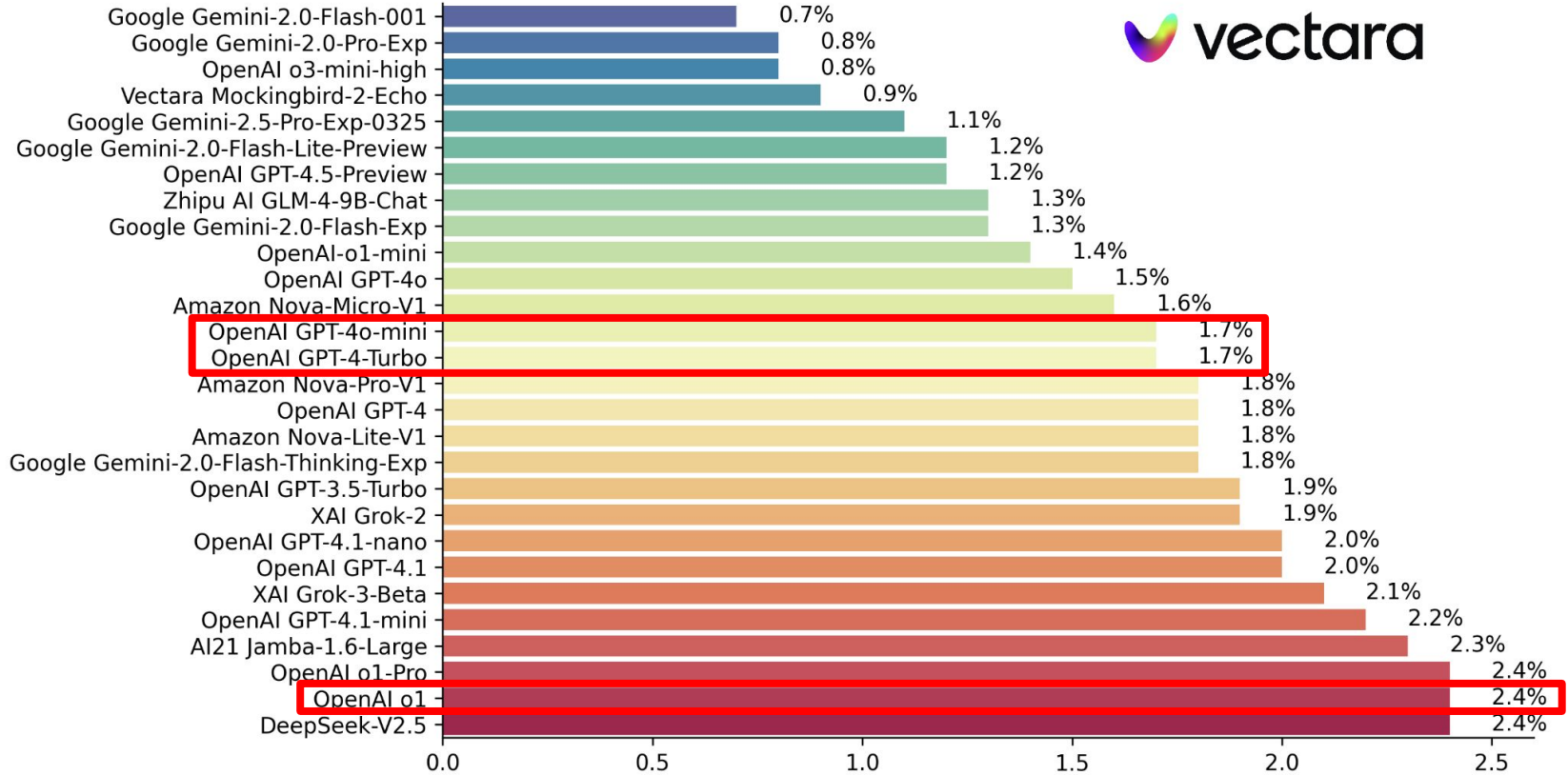
Model Prediction	congruent	0.04	0.00	0.03
	bipartisan	0.96	1.00	0.88
	irrelevant	0.00	0.00	0.10

ChatGPT 4o

Model Prediction

congruent	0.92	0.33	0.62
bipartisan	0.03	0.56	0.04
irrelevant	0.05	0.11	0.34

Hallucination Rates for Top 25 LLMs



Last updated on April 17th, 2025

BIPARTISANSHIP EXAMPLE



EASIER EXAMPLE

“passed a bipartisan us house bill - the most ambitious legislation targeting military toxic exposure ...”
- @LizMathis (D)



HARDER EXAMPLE

“ ... eagle act will fund local police departments... high standards ...”-
@ChrisPappasNH (D)

TWEET LABELING

01

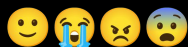
MANUAL LABEL

Label ~2200 out of
1M tweets

02

LLM SENTIMENT

Sentiment:



03

IMPLEMENTATION

Tried GPT 3.5, GPT
4o, Claude 3 Opus,
Claude 3.5 Sonnet

04

SHIFTED TO VIDEO ADS

Smaller dataset,
clearer message,
greater viewership

LLM...
not great for
everything



Q&A

rh3210@columbia.edu

linkedin



Given a tweet and the author's party affiliation (Democrat or Republican), assign one of these labels:

0: The message reflects typical positions or rhetoric associated with the author's party affiliation 1: The message contradicts or challenges typical positions associated with the author's party affiliation 2: The message is politically neutral or focused on general updates, celebrations, or acknowledgments

Consider both the explicit content and underlying tone/implications when assessing party alignment. Focus on whether the message would be generally expected from someone of that party affiliation in contemporary American politics.

please return in the form of a csv without altering the tweets itself.
please label all the tweets

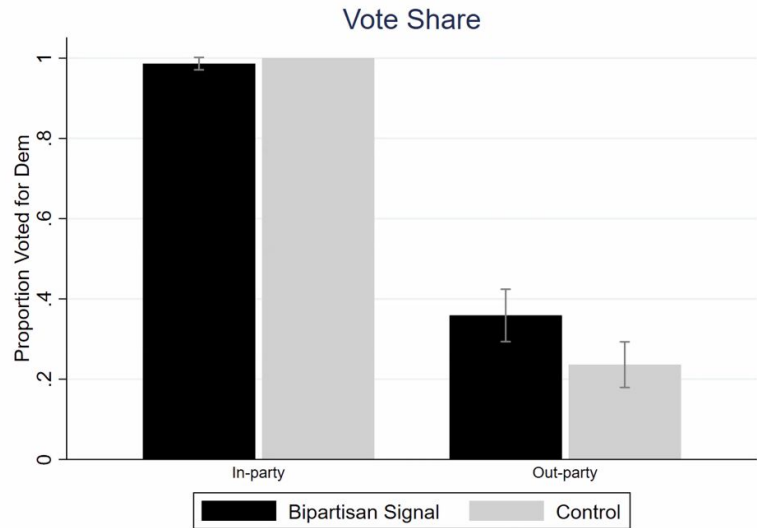
PROJECT OVERVIEW

Procedure

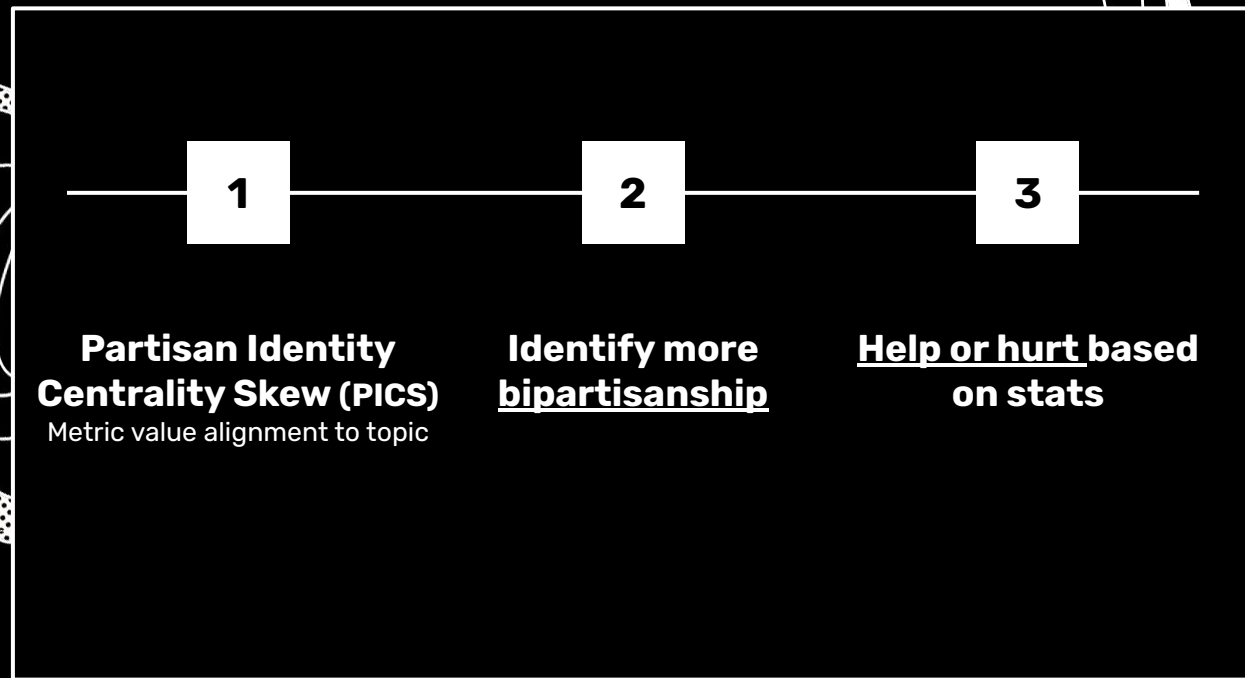

 $N = 900$;
Prolific Academic

Bipartisan
Signals

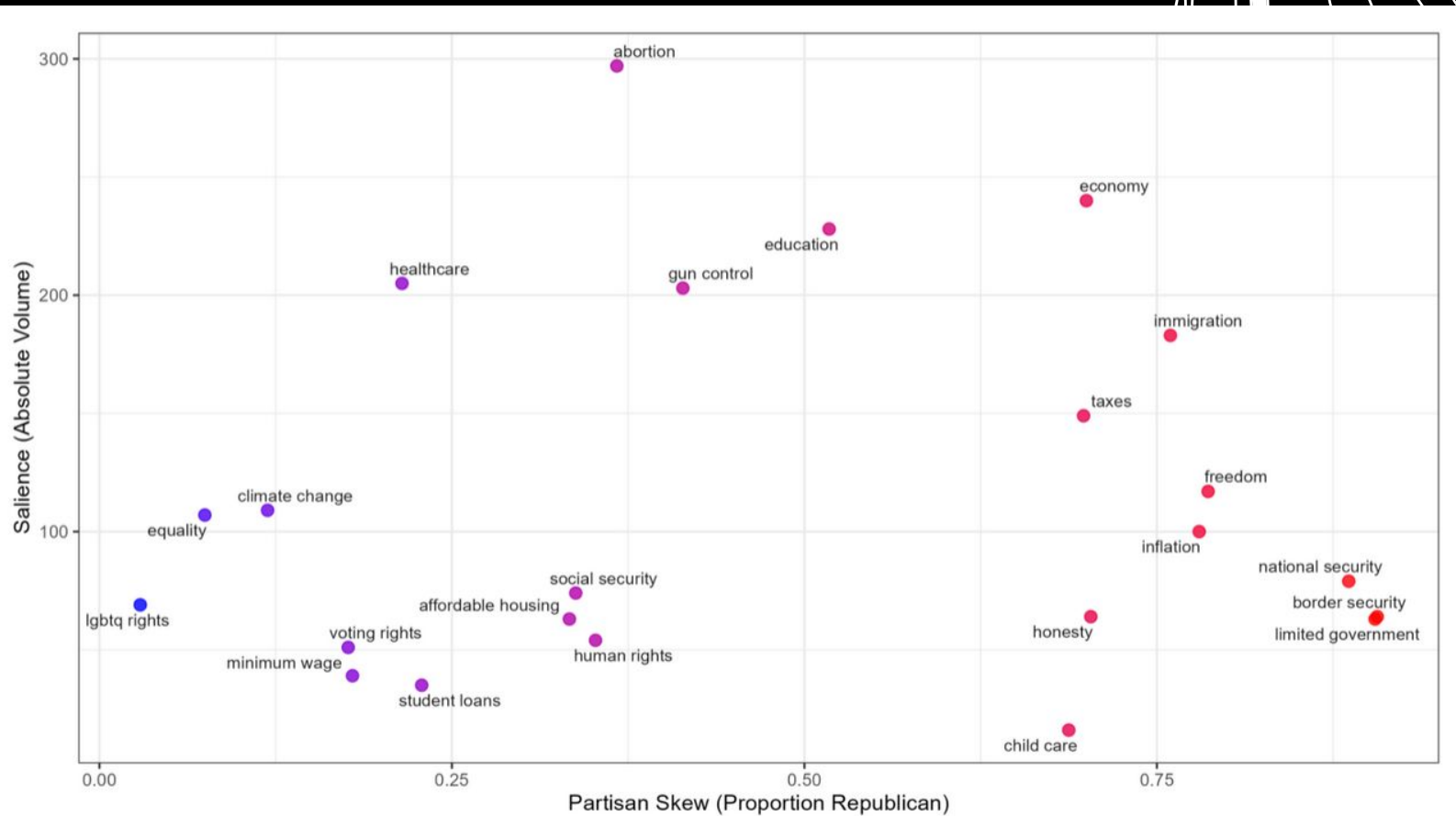
Control



METHOD




PLCS based Topics



SIGNIFICANCE



Campaign Spending

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(OpenSecrets, 2024)



Divisive

(candidates)

Negative, “gotcha”
tweets = 
(Jiménez-Zafra, 2021)



Tactic of Disagreement

“I won’t walk the party line ... I stood up to my own party to support police officers and get more funding for border security.”
- Senator Jacky Rosen (D-NV)

PELTOLA

Mary Sattler Peltola

US House Representative of Alaska

Alaska: Voted republican since 1968

Peltola: 1999 - 2009, 2022 - 2025

Fish, family, & freedom

- Fish: Wildlife conservation
- Family: Supports abortion
- Freedom: 2nd amendment

