

Political Marketing: Bipartisanship Signaling

Rosh Ho
Professor Mohamed Hussein

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 Jacky 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"



"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"



"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"



"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"

CONTEXT

Campaign Spending

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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 an elitist

E.g. Self funded education in Columbia Law

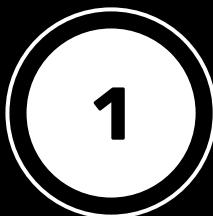


"In congress, I have stood up to the president and my own party. I condemned our handling of the border, and I have worked hard to secure our border"



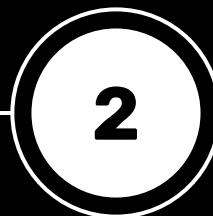
"Marie Perez is taking on the Biden administration and her party to secure the southern border and improve public safety ... I will do whatever it takes to secure the border and keep Washington safe"

Discover whether bipartisanship helps or hurts candidates?



PARTY ID

Democrat,
Republican, or
Independent



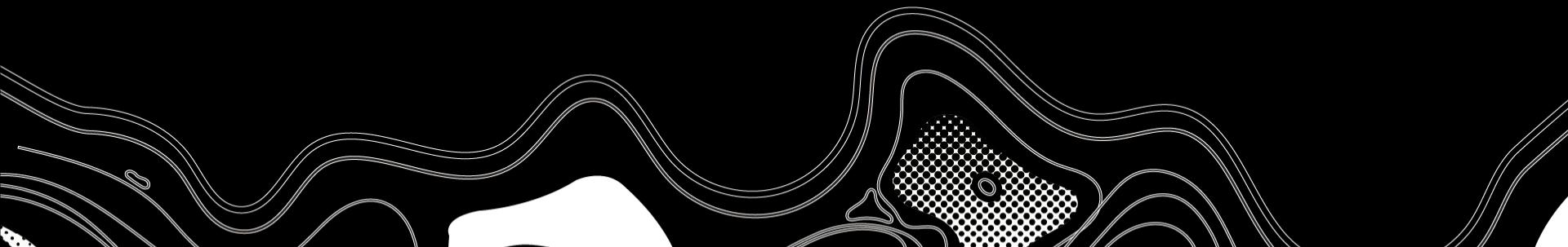
VALUES

Via tweets



PARTY ALIGNMENT

Align with party?



Does bipartisanship help or hurt candidates?

METHOD

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

1
Bipartisanship
shows potential

2
Bipartisanship
performance
in-the-wild

3
Help or hurt
based
on stats
Via twitter stats and polling
outcome

Identify more bipartisanship



PARTY ID

Democrat,
Republican, or
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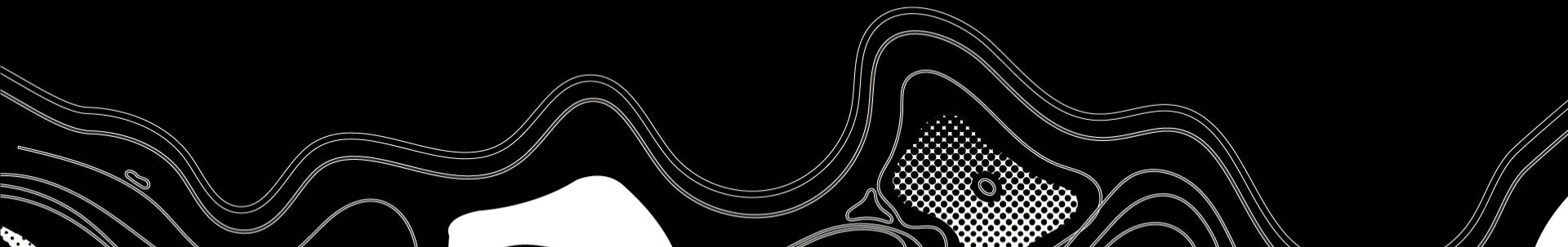
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PARTY ALIGNMENT

Align with party?



TWEET LABELING

01

MANUAL LABEL

Label ~2200 out of
1M tweets

02

LLM SENTIMENT

Sentiment:



03

IMPLEMENTATION

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

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

Claude 3.5 Sonnet

Model Prediction

Ground Truth

congruent	0.87	0.67	0.50
bipartisan	0.06	0.22	0.05
irrelevant	0.07	0.11	0.45

Model Prediction

ChatGPT 3.5 Turbo

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

Model Prediction

Claude 3 Opus

ChatGPT 4o

Model Prediction

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

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

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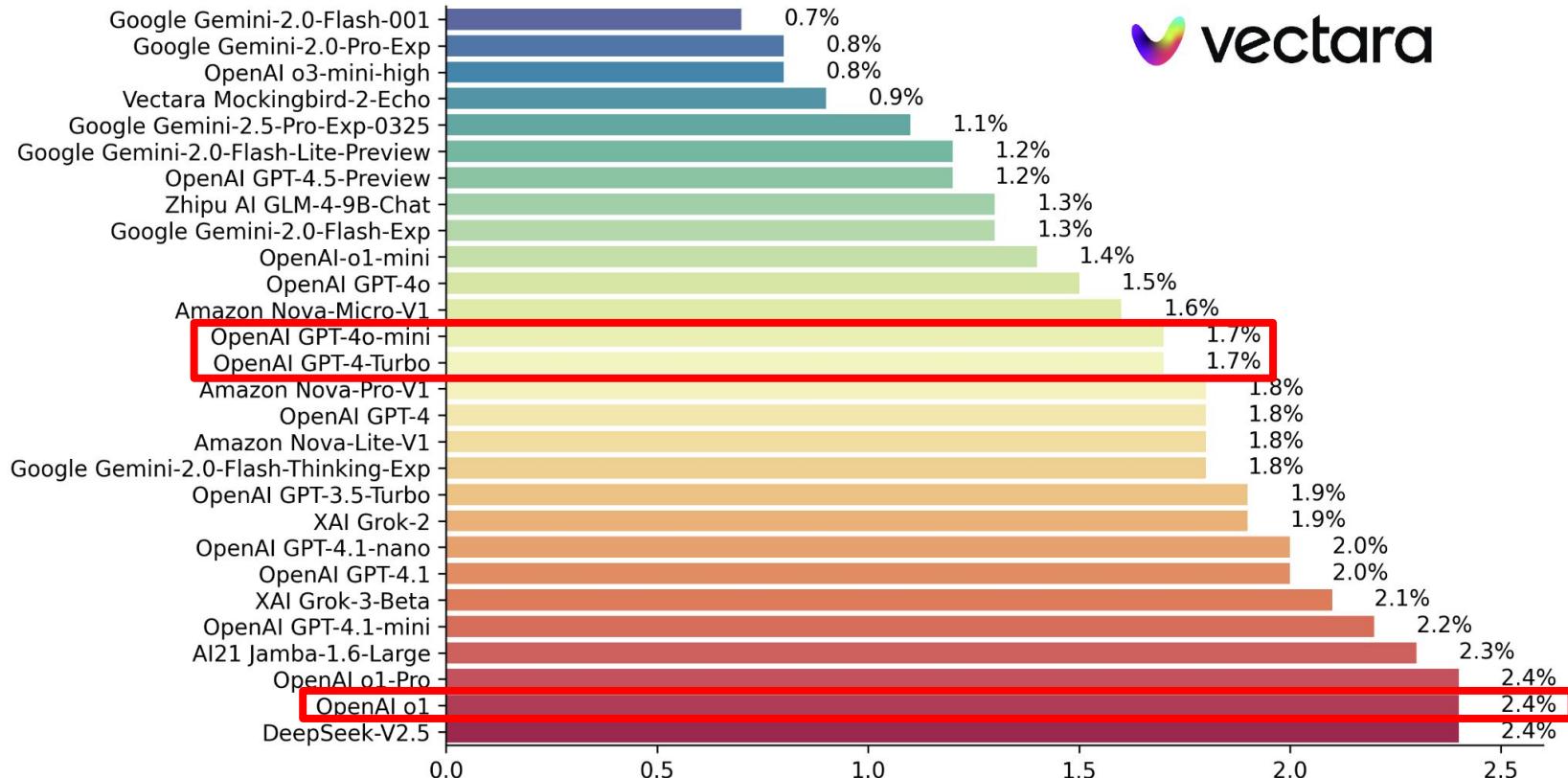
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Hallucination Rates for Top 25 LLMs



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



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

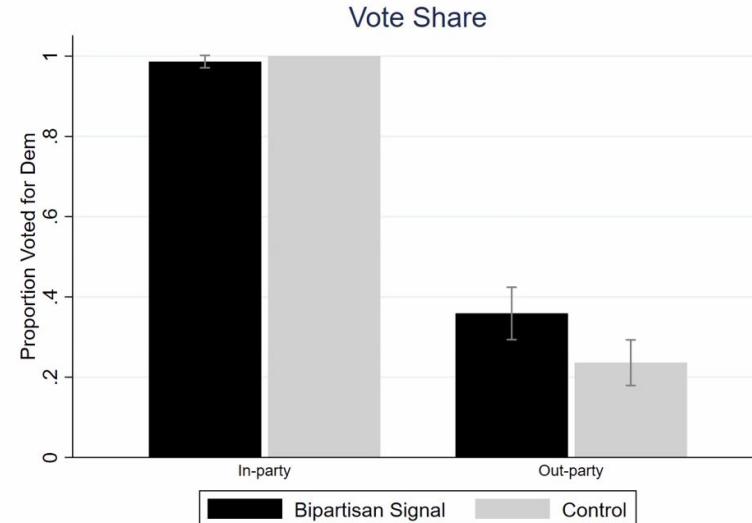
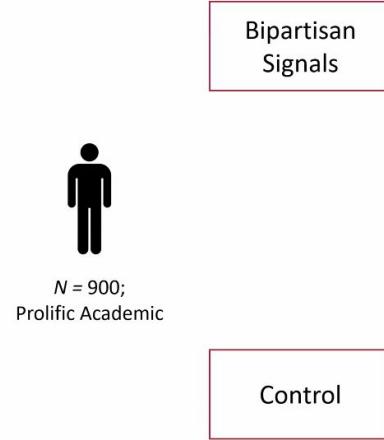
0: The message reflects typical positions or rhetoric associated with the author's party affiliation
1: The message contradicts or challenges typical positions associated with the author's party affiliation
2: The message is politically neutral or focused on general updates, celebrations, or acknowledgments

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



METHOD

Partisan Identity Centrality Skew (PICS)

Metric value alignment to topic

1

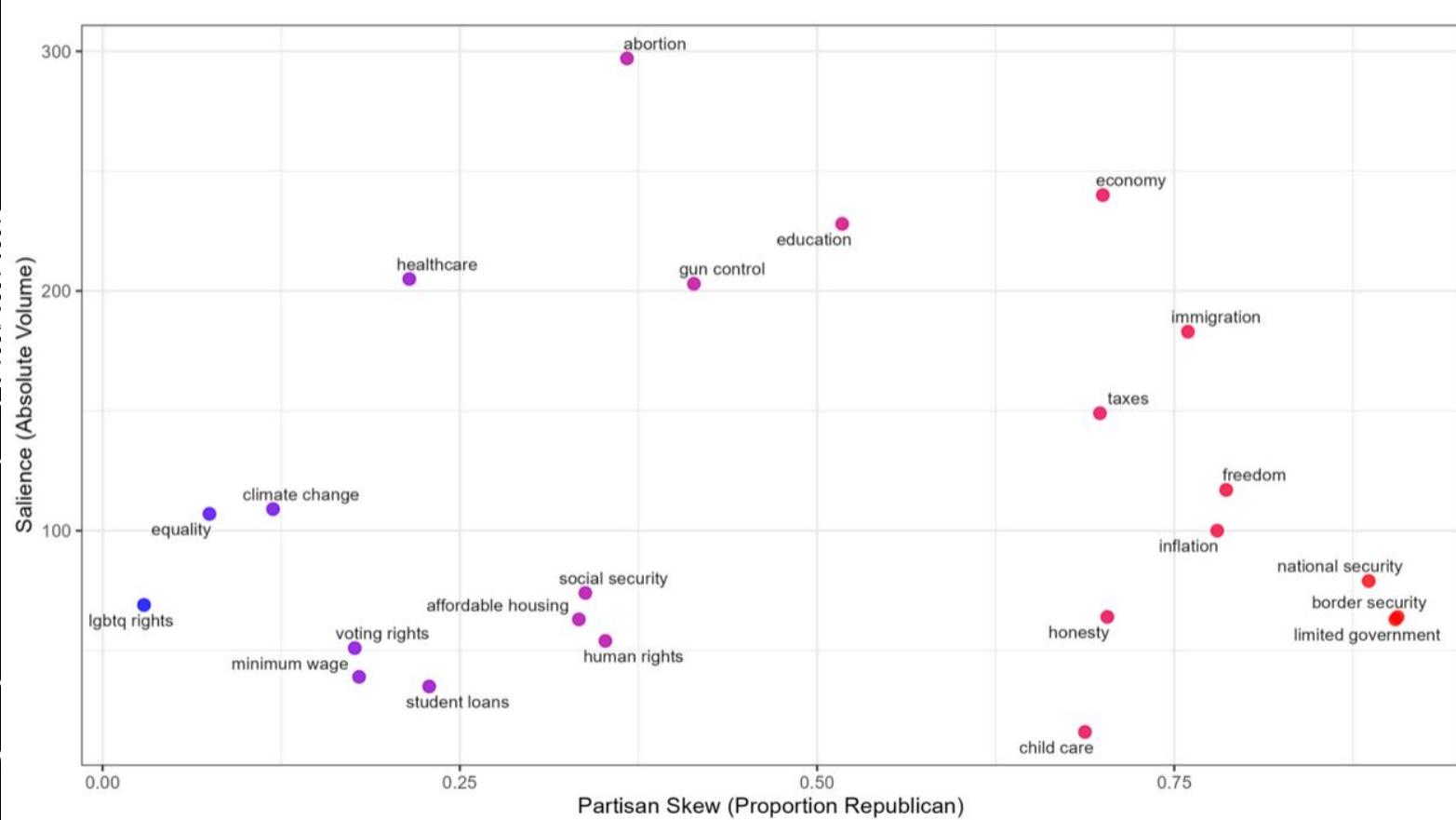
2

3

**Identify more
bipartisanship**

**Help or hurt based
on stats**

PICS 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

