Trump and the Shifting Meaning of "Conservative": Using Activists' Pairwise Comparisons to Measure Politicians' Perceived Ideologies *

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Abstract

While prior scholarship has made considerable progress measuring politicians' positions, it has only rarely considered voters' or activists' perceptions of those positions. Here, we present a novel measure of U.S. Senators' perceived ideologies derived from 9,030 pairwise comparisons elicited from party activists in three 2016 YouGov surveys. By focusing on activists, we study a most-likely case for perceiving within-party ideological distinctions. We also gain empirical leverage from Donald Trump's nomination and heterodox positions on some issues. Our measure of perceived ideology is correlated with NOMINATE but differs in informative ways: Senators with very conservative voting records were sometimes perceived as less conservative if they did not support Trump. A confirmatory test shows these trends extended into 2021. Even among activists, perceived ideology appears to be anchored by prominent people as well as policy positions.

Scholars have made important advances by measuring American politicians' positions (Poole and Rosenthal, 1997; Clinton, Jackman and Rivers, 2004; Bailey, 2007; Shor and McCarty, 2011; Bonica, 2014). These low-dimensional scores have fostered many studies on policymaking (e.g. Poole and Rosenthal 1997; Theriault 2008; but see Tausanovitch and Warshaw 2017) while also facilitating research on representation and the interplay between voters, activists, and elected officials (e.g. Caughey and Warshaw, 2018; Boudreau, Elmendorf and MacKenzie, 2019; Hill and Huber, 2019).

Yet for certain applications, what matters is not politicians' actual positions but their perceived positions. When assessing the extent to which citizens use candidates' ideologies when voting (e.g. Jessee, 2012), for example, these perceptions are a crucial intermediary. If voters cannot perceive ideological distinctions, they cannot vote on the basis of them. Similarly, if activists and donors support politicians based on ideological affinity, measuring those perceptions is key.

Here, we investigate U.S. Senators' perceived ideologies in the critical year of 2016 and develop one-dimensional perceived ideology scores, with a confirmatory test from 2021. Throughout 2016, we conducted three surveys in which approximately 1,000 activists per survey—half Democrats, the other half Republicans—identified who within a pair of U.S. Senators was more liberal or conservative. Activists are a critical intermediary in American politics. They are far more numerous than elected officials; they are found in communities nationwide and can shape the images of their respective parties and their neighbors' vote choices (Stone and Rapoport, 1994; Han, 2014; Blum, 2020). They are also sufficiently knowledgeable about politics so as to be able to assess intra-party ideological differences (Layman et al., 2010; Enos and Hersh, 2015; Adams et al., 2017; Marble and Tyler, 2021). If anyone is positioned to identify and police within-party ideological heterodoxy, it should be activists. From 9,030 paired comparisons, we use the Bradley-Terry method to develop a one-dimensional perceived ideology measure.

The resulting measure has face validity, although it differs from the widely used NOMINATE scores of roll-call voting in instructive ways (Poole and Rosenthal, 1997). For one, whereas NOMINATE identifies no overlap between contemporary Republicans and Democrats, activists do perceive a small number of Democratic Senators to be more conservative than some Republicans. Democratic activists also discern more ideological variation among Democratic Senators than do Republican

activists when assessing Republican Senators.

The 2016 campaign provides us with unusual leverage, as GOP nominee Donald Trump adopted heterodox positions on certain policies and was sometimes at odds with the GOP's conservative wing. Nonetheless, our results illustrate that Republican Senators with very conservative voting records were viewed as much more moderate if they did not support Trump. As a follow-up test shows, these trends were even more apparent in 2021. For these activists, to be conservative is partly to support Trump, whether he was the Republican frontrunner, nominee, or former president.

At both the elite and mass levels, researchers debate the extent to which contemporary partisan divisions are grounded in ideology and policy positions as opposed to partisanship and group affinity (Dawson, 1995; Lee, 2010; Sniderman and Stiglitz, 2012; Kinder and Kalmoe, 2017; Achen and Bartels, 2017; Goggin and Theodoridis, 2018; Mason, 2018; Iyengar et al., 2019). These factors are typically difficult to disentangle. Theoretically, we might expect partisanship, ideology and other factors to have distinct effects on legislators' reputations (Carson et al., 2010), but they may also influence one another. Activists know more about politics and are more likely to think in ideological terms than other citizens (Barber and Pope, 2019). Yet, even their perceptions of ideology appear to reflect factors beyond position-taking, such as Senators' relationship to benchmark figures like Trump.

Data: Eliciting Perceived Ideology via Pairwise Comparisons

Prior research has measured ideology based on Congressional voting, political donations, or other elite-level behaviors. We focus instead on how political activists *perceive* Senators' ideologies (see also Eady and Loewen, 2021). Our rationale is that activists are high-knowledge political observers; if they cannot distinguish Senators' ideologies, it seems unlikely other citizens will (Stone and Rapoport, 1994).

Specifically, we use surveys of political activists conducted for the Huffington Post by YouGov. There was no deception or intervention in political processes; respondents were aware they were participating in a research study and consented to voluntarily provide anonymous responses at empanelment, aware that they could decline participation. In consultation with the authors, the

Huffington Post administered three surveys during 2016. The surveys interviewed three separate but potentially overlapping samples of approximately 500 Republicans and 500 Democrats. They were fielded January 14-20 (n=989), July 11-18 (n=972), and October 28 to November 5 (n=1,068). Table A1 provides descriptive statistics, demonstrating that the 2016 samples are disproportionately White (85%-87%). Respondents are relatively evenly divided by gender (48%-50% female), and between 46% and 49% have a bachelor's degree. See the Appendix for details.

Potential respondents were drawn from YouGov's panel but had to meet our definition of activists in initial screener questions. One way to qualify was to report having done at least two of the following in the prior four years: donated to a candidate; attended a campaign event; volunteered for a campaign; or made campaign calls to voters. Alternately, respondents were considered activists if they reported having ever been at least one of the following: a paid staffer for a campaign or elected public official; a candidate for elected office; or an official in a political party (such as a local party chair). Table A2 reports the fraction reporting each activity/experience. Thus those who qualify only through the first set of criteria (62 percent in 2016) report having done significant activism. Those meeting the second criteria (38 percent) are significant political actors, albeit at the bottom of the hierarchy.

The outcome of interest is respondents' answers to five questions about the ideology of U.S. Senators. Specifically, they asked: "we will be providing you with the names of two members of the U.S. Senate. We would like you to indicate which Senator of the pair is more liberal/conservative than the other." The Senators were drawn from the 114th Congress (2015-16). Figure A1 illustrates a sample question, showing that Senators were listed by state but not party affiliation. Respondents could choose either Senator or reply they weren't familiar with one or both.

We structured the questions as pairwise comparisons based on extensive research in survey methodology and psychology emphasizing the relative ease of pairwise comparisons (Hainmueller, Hangartner and Yamamoto, 2015). Respondents may well struggle to provide cardinal measures of ideology or rank many Senators. But for a given pair, the task is more straightforward.

Democratic activists were asked who in a pair was more liberal, with pairs drawn from all Democratic Senators, as well as the 10 most liberal Republicans, identified via NOMINATE. Re-

publicans were asked which of a pair from all Republicans and the 10 most conservative Democrats¹ was more conservative.²

We initially limit the pairs to Senators from the respondents' own ideological sides on the grounds that they will be more familiar with their co-partisans. This also avoids wasting time asking about comparisons between extreme members of opposing parties, where answers may follow straightforwardly from partisanship. Nonetheless, to confirm that this choice does not unduly influence the estimates, we remove this restriction for the 2021 survey.

In all, respondents were asked to make five comparisons each. Once we remove pairs in which respondents were unfamiliar with one or both Senators, we retain 9,030 rated pairs.

Modeling Pairwise Comparisons

Our data are in the form of records of how often a given Senator was judged more or less conservative than the Senator with whom they were randomly paired. This might be analogous to a sports team's win-loss record. One simple way to sort the Senators would be to calculate how often they are identified as more liberal. However, this ignores the Senators against whom they were compared. In sports, beating a strong opponent provides more information than beating an average opponent.

Instead, we employ a Bradley-Terry (1952) model to estimate a latent ideological trait (see also Loewen, Rubenson and Spirling, 2012). The model assumes that the outcome of any pairing is probabilistic, with the base probability determined by the relative position of the compared Senators. In other words, the probability that the i^{th} Senator is seen as more conservative than the j^{th} Senator is

$$P(i>j) = \frac{p_i}{p_i + p_j} \tag{1}$$

Bradley and Terry parameterize this model with an exponential form, allowing for a convenient

¹Angus King and Bernie Sanders are classified as Democrats.

²In the second and third surveys, a programming error led to the omission of the seven Senators from the GOP list—five Republicans, two Democrats—who were last in alphabetical order.

interpretation of its parameters:

$$P(i > j) = \frac{e^{\lambda_i}}{e^{\lambda_i} + e^{\lambda_j}} \tag{2}$$

$$logit(P(i > j)) = \lambda_i - \lambda_j \tag{3}$$

In this model, λ_i can be interpreted as the i^{th} case's latent trait. In our application, this is each Senator's perceived conservatism. The exact values of the estimated λ 's will depend on which Senator is the omitted reference point (John McCain here), but we rescale the measure to the unit interval. We term these rescaled λ_i 's "perceived pairwise ideology."

Results: Perceived Ideology in 2016

The procedure produces measures of perceived ideology that broadly fit our expectations. Figure 1 presents the estimated pairwise ideology scores, with standard errors discussed in the Appendix. Table A3 lists each Senator's score. As expected, there are two broad clusters, one (left) for Democrats and one (right) for Republicans. However, there is overlap between Senators from the two parties, something that has disappeared from 21st-century NOMINATE scores. Notably, Democratic activists are able to more clearly distinguish ideological distinctions among Democrats than Republican activists are among their co-partisans—while the perceived ideology measure has a standard deviation of 0.14 for Democrats, it's 0.09 for Republicans.

Even knowledgeable activists aren't likely to have strong opinions about every Senator: respondents answered "don't know" or said they were unfamiliar with at least one of the Senators 40% of the time. For that reason, the measure we present does not differentiate a number of less prominent Senators, especially when its uncertainty is taken into account (see Figures A2 and A6). Still, extremity is not simply a function of familiarity, as Senators Harry Reid and John McCain are well-known and estimated to be relatively centrist. See the Appendix and Table A5 for a discussion of which activists are less likely to rate pairings.

One way to explore this new measure is through a comparison with NOMINATE. Figure 2 plots NOMINATE against perceived pairwise ideology. The two measures are closely related. They

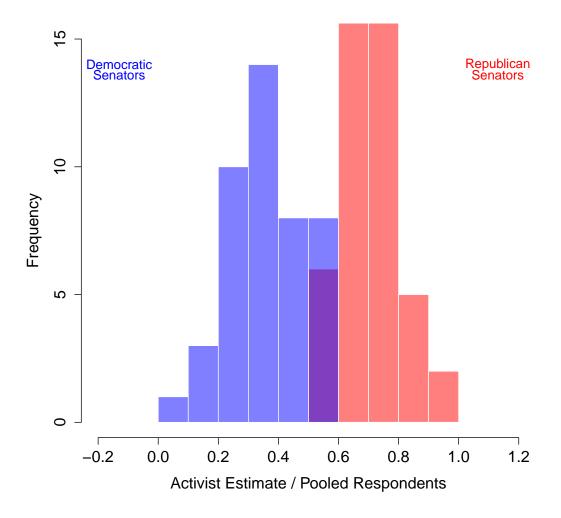


Figure 1: Distribution of Estimated Pairwise Ideology, 2016. Democrats in Blue. Republicans in Red.

are correlated at 0.90, with correlations of 0.63 among Republicans and 0.76 among Democrats. Nevertheless, there are significant divergences.

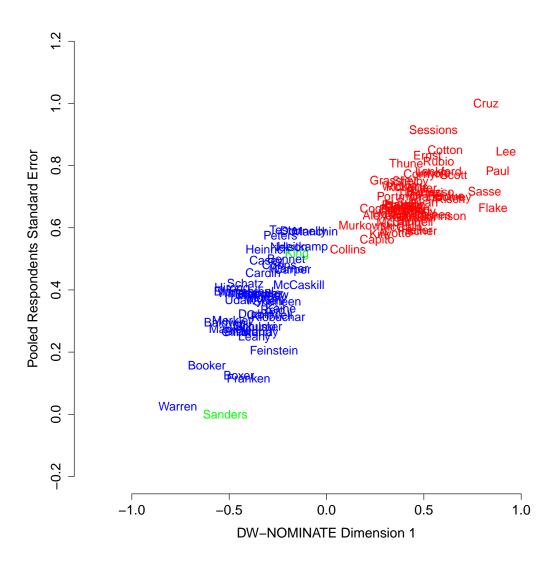


Figure 2: First Dimension NOMINATE vs. Estimated Pairwise Ideology in the 114th Senate. Democrats in Blue. Republicans in Red.

As Figure 1 shows, while there is no overlap between the parties in NOMINATE, there is in the pairwise measure. This is because Democrats like Joe Manchin, Jon Tester, and Joe Donnelly are estimated to be more conservative than Republicans Susan Collins, Mark Kirk, Kelly Ayotte, and

Shelly Moore Capito. Such scores are defensible. Both Manchin and Donnelly are pro-life, while Collins is pro-choice; Tester is pro-gun rights. And while our surveys were conducted in 2016, notice that the list of centrist GOP Senators includes some who voiced opposition to the various Republican health care proposals in 2017.

There are two related reasons for the divergence between our metric and NOMINATE. First, respondents may care more about some issues than others, and hotly contested social issues like abortion and gun rights may be both better known and more important to their evaluations of Senators' ideologies. These issues rarely appear on the Senate agenda.

Second, these Senators will often vote "against" their ideology on party votes. At the bare minimum, our respondents may not be keeping up with how often Senators vote with their party on procedural votes (Theriault, 2008; Lee, 2010). Moreover, our respondents would probably be correct in determining that those votes are not principally about ideology, and so should contribute less to Senators' perceived ideology.

There are other divergences. There are several Senators who are estimated to be much more moderate by the respondents than by NOMINATE, and others who are much more extreme. For instance, Ben Sasse and Jeff Flake were among NOMINATE's most conservative Senators. But our respondents do not view them as such. In Flake's case, the Senator's high-profile support for immigration reform may be part of the explanation. But Flake and Sasse also shared their vocal opposition to then-Republican nominee Trump. Others who opposed Trump, like McCain and Kelly Ayotte, are also perceived to be more moderate than expected.

Meanwhile, Jeff Sessions had only a moderately conservative voting record according to NOM-INATE, but was the first senator to back Trump. Other outspoken Trump supporters like Tom Cotton are also rated more conservative than their voting records would suggest. Just as conservative respondents adopt policy positions when they are told Trump supports them (Barber and Pope, 2019), conservative activists evaluate politicians in terms of their relationship to the former president.

In Table 1 and Figure 3, we use regression to estimate these differences systematically. We regress the perceived ideology measure for each Senator on the first-dimension NOMINATE score

	All	All	Democrats	GOP	GOP	GOP	GOP
Intercept	0.50*	0.51^{*}	0.62*	0.54^{*}	0.54^{*}	0.55^{*}	0.55*
	(0.01)	(0.01)	(0.04)	(0.03)	(0.03)	(0.03)	(0.03)
NOMINATE, D1	0.42^{*}	0.41^{*}	0.77^{*}	0.33^{*}	0.34^{*}	0.32^{*}	0.33^{*}
	(0.02)	(0.02)	(0.10)	(0.06)	(0.06)	(0.06)	(0.06)
NOMINATE, D2		0.12^{*}			0.07^{*}		0.03
		(0.03)			(0.03)		(0.04)
Anti-Trump						-0.05^{*}	-0.04*
						(0.02)	(0.02)
\mathbb{R}^2	0.81	0.83	0.56	0.36	0.41	0.47	0.48
Num. obs.	100	100	46	54	54	54	54
p < 0.05							

Table 1: This table reports OLS models fit to different subsets of the data set predicting Senators' perceived ideology scores.

for all Senators and then separately by party. One thing to note is the substantial differences by party, with NOMINATE having markedly more predictive power for Democrats ($\beta = 0.77$) than Republicans ($\beta = 0.33$).

Using the model from Table 1's fourth column, Figure 3 illustrates that for Republicans, perceived ideology appears to deviate from NOMINATE in that anti-Trump Senators are estimated to be less conservative than their voting records while pro-Trump Senators are estimated to be more so. In Table 1's sixth column, we formalize this test by showing that among Republicans, a measure of Senators' relationship to Trump in 2016 is a meaningful predictor of perceived ideology beyond NOMINATE.³ For example, as compared to a GOP Senator who clearly supported Trump, an anti-Trump Senator had a lower perceived ideology score by 0.10, more than a standard deviation. Table 1 shows a relationship with NOMINATE 's second dimension (Column 5), but it loses significance when also including Trump support (Column 7). Such results may be consistent with the interpretation that the second dimension reflects an insider-outsider dimension (Enten, 2015). However, more research is needed. The change in the second-dimension coefficient across models is neither large nor statistically significant, and the second-dimension scores place Mitt Romney far higher than pro-Trump Senators like Josh Hawley.

 $^{^{3}}$ The Trump Support variable codes the position the Senator took on Trump during the 2016 campaign. It is 1 if she publicly supported Trump (for example by endorsing him) and -1 if she publicly repudiated Trump (for example by declining to endorse him). Figures with a mixed record, such at Ted Cruz and Mitch McConnell, are 0.

Comparing Measures: GOP

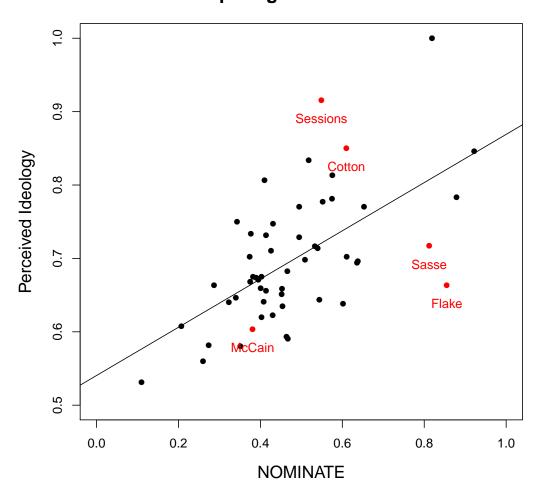


Figure 3: Relationship between NOMINATE scores and 2016 perceived ideology scores for GOP Senators, with notable pro- and anti-Trump Senators labeled.

Alternative Measures

NOMINATE is only one ideology-related measure. Table A4 provides Pearson's correlations between the pairwise ideology measure and various alternatives. Figures A3 and A show that the relationships are broadly similar when instead comparing the pairwise measure to two campaign contribution-based measures of Senator ideology (Bonica, 2014). As with NOMINATE, these measures produce no partisan overlap.⁴

We also consider the pairwise measure relative to another measure of perceived ideology derived from the 2016 Cooperative Congressional Election Study (CCES) (Eady and Loewen, 2021). The CCES samples citizens rather than just activists, asking respondents to place their own Senators on a 1-7 scale. Figure A5 presents the results. Overall, the two measures are correlated at 0.89. But there are important differences—as with NOMINATE, CCES respondents perceive no partisan overlap.

2021 Survey

The surveys employed above were from 2016, before Trump took office—and they primarily asked activists about senators from their own party. To see how stable these results prove, we conducted a follow-up YouGov survey in late April 2021 (n=1,110). The set-up was similar to that described above, with a few exceptions: activists assessed 12 pairs of politicians from both parties, including not just senators but 14 other prominent figures such as Trump, Ron DeSantis, Joe Biden, and Kamala Harris.

Figure 4 depicts the results. In broad strokes, they confirm and extend the patterns observed in 2016. First, we detect meaningful overlap, with Republicans such as Collins (and Lisa Murkowski and Mitt Romney) again more liberal than some Democrats.⁵ Also, we can see how Trump's influence persists, with Trump himself rated more conservative than 82% of the Republicans queried and Trump's allies (DeSantis, Hawley, Tuberville, Cotton, and Pence) more conservative still. Kamala Harris is perceived as the most liberal politician, outpacing Elizabeth Warren and Bernie

⁴These measures correlate with perceived ideology at 0.85 and 0.82, respectively.

⁵Such overlap is also visible in the initial pairings. In 20% of all cross-party pairings, respondents identified the Democrat as more conservative; for Lisa Murkowski, the figure was 35%.

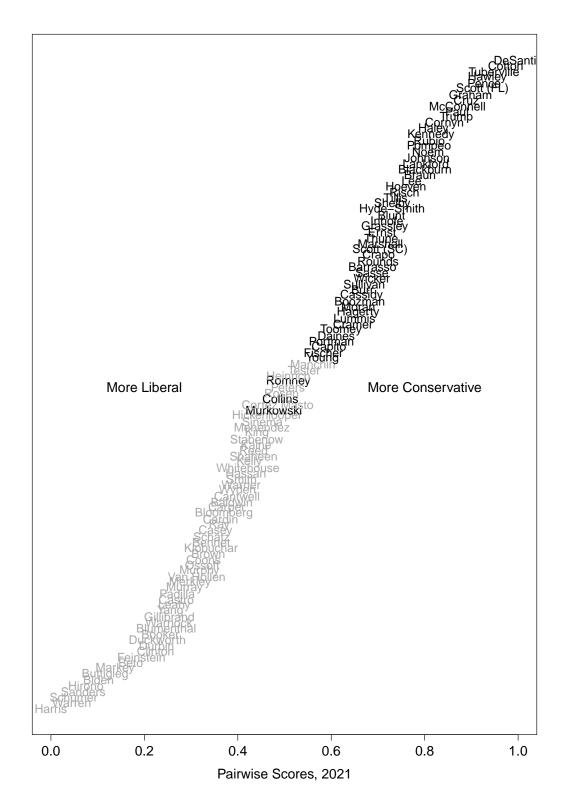


Figure 4: Perceived ideology scores, April 2021 survey.

Sanders and raising questions about the role of race and gender in such perceptions we will pursue in future research (Huddy and Terkildsen, 1993; Sanbonmatsu and Dolan, 2009).

These results confirm that the core findings from 2016 were not the product of asking Democrats and Republicans primarily about in-party Senators. Here, too, we see clear evidence of overlap between the parties. These results also strongly reinforce the substantive claim that Trump reoriented definitions of "conservative."

Discussion and Conclusion

How do activists perceive politicians' ideologies, and what factors influence those perceptions? Here, we present a novel measure of perceived ideology derived by asking activists to make pairwise assessments of politicians. The resulting measure is strongly associated roll-call-based NOMINATE, especially among Democrats. Among Republicans, this new measure is also associated with Senators' orientation toward Trump in 2016, a strong indication that activist perceptions of ideology are shaped by personality and procedure as well as policy. Evidence from 2021 confirms these patterns.

This research has important limitations, but also opens avenues for future research. One downside to survey-based measures is that they are only available when researchers conduct surveys, and so cannot be generated retroactively. These activists were surveyed in just two separate years, leaving questions about whether these results generalize. Even if one were able to conduct surveys repeatedly over time, the population of activists itself may shift in response to changing party dynamics. In addition, survey-based measures will be more precise for high-profile Senators.

This novel measure of perceived ideology provides a critical link between elite-level actions and the imprint they leave outside Congress. It also illustrates that a figure like Trump can re-orient a party's definition of ideology. Even for activists, ideology is inflected by whom politicians support or oppose. Moving forward, assessing whether such Trump-oriented divisions persist is a central question.

The authors declare no ethical issues or conflicts of interest in this research. This research was approved by the Georgetown University IRB (2015-0652) and the University of Pennsylvania IRB

(833033). data that support the findings of this study are openly available in the APSR Dataverse at https://doi.org/10.7910/DVN/UMFJRG.

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