

Supplementary Material for “The Effects of Ideological and Ethnoracial Identity on Political (Mis)Information,” published in *Public Opinion Quarterly*

Melody Crowder-Meyer
Department of Political Science
Davidson College
Box 7134, Davidson, NC 28035 USA
704-894-2285
mecrowdermeyer@davidson.edu

Mónica Ferrín (corresponding author)
Department of sociology and communication
University of A Coruña
Campus de Elviña, 15070 A Coruña, Spain.
+34 881014915
monica.ferrin.pereira@udc.es

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DESCRIPTION OF THE DATA

Supplementary Material Section 1

Data: 2018 NEWS FACT/OPINION QUESTIONNAIRE

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Survey data collection process: The survey was conducted by the GfK Group in English and Spanish using KnowledgePanel, its nationally representative online research panel in the United States. KnowledgePanel members are recruited through probability sampling methods and include those with internet access and those who did not have internet access at the time of their recruitment (KnowledgePanel provides internet access for those who do not have it, and if needed, a device to access the internet when they join the panel). A combination of random-digit dialing (RDD) and address-based sampling (ABS) methodologies have been used to recruit panel members (in 2009 KnowledgePanel switched its sampling methodology for recruiting members from RDD to ABS). KnowledgePanel continually recruits new panel members throughout the year to offset panel attrition as people leave the panel. All active members of the GfK panel were eligible for inclusion in this study. In all, 8,066 panelists were invited to take part in the survey. The resulting dataset contains a nationally representative sample of 5,035 adults 18 years of age or older. Response rate: 62%. The margin of error for the full sample is plus or minus 1.5 percentage points.

Date of collection: February 22 to March 4, 2018

Question wording:

The questions used in this article are asked around the middle of a survey about media consumption, media trust, and other opinions towards the media.

DEPENDENT VARIABLE

ASK ALL: You will now be shown a series of statements that have been taken from news stories. Regardless of how knowledgeable you are about the topic, would you consider this statement to be a factual statement (whether you think it is accurate or not) OR an opinion statement (whether you agree with it or not)? **[RANDOMIZE THE 12 IMAGES WITH THE STATEMENTS]**

[Statements were shown in images that were intended to look like they had been taken from news stories. If respondents skipped this question, they were given a follow-up question asking why they did not answer the question.]

A factual statement (whether you think it is accurate or not)	An opinion statement (whether you agree with it or not)	No answer
1. Health care costs per person in the U.S. are the highest in the developed world		
2. President Barack Obama was born in the United States		
3. Immigrants who are in the U.S. illegally have some rights under the Constitution		
4. ISIS lost a significant portion of its territory in Iraq and Syria in 2017		
5. Spending on Social Security, Medicare, and Medicaid make up the largest portion of the U.S. federal budget		
6. Democracy is the greatest form of government		
7. Increasing the federal minimum wage to \$15 an hour is essential for the health of the U.S. economy		
8. Abortion should be legal in most cases		
9. Immigrants who are in the U.S. illegally are a very big problem for the country today		
10. Government is almost always wasteful and inefficient		
11. Applying additional scrutiny to Muslim Americans would not reduce terrorism in the U.S.		
12. Voter fraud across the U.S. has undermined the results of our elections		

Note: Two of the statements (items 6 and 12) could not be clearly classified by ideological and ethnoracial group interests due to their ambiguity. These items are therefore not included in our analyses.

INDEPENDENT VARIABLES

Ideology

ASK ALL: In general, would you describe your political views as **[REVERSE ORDER FOR HALF OR RESPONDENTS]**

- Very conservative
- Conservative
- Moderate
- Liberal
- Very Liberal

No answer

Partisanship

ASK ALL: In politics today, do you consider yourself a...?

- Republican
- Democrat
- Independent
- Something else
- No answer

Trust in media

How much, if at all, do you trust the information you get from national news organizations?

- A lot
- Some
- Not too much
- Not at all

NOTE: the exact wording is not included in the questionnaire for the following variables, and therefore only response categories are indicated

Ethnoracial identity

- White, Non-Hispanic
- Black, Non-Hispanic
- Other, Non-Hispanic
- Hispanic
- 2+ Races, Non-Hispanic

Sex

- Male
- Female

Education

- Less than high school
- High school
- Some college
- Bachelor's degree or higher

Household income

- Less than \$5,000
- \$5,000 to \$7,499
- \$7,500 to \$9,999
- \$10,000 to \$12,499
- \$12,500 to \$14,999
- \$15,000 to \$19,999
- \$20,000 to \$24,999
- \$25,000 to \$29,999

\$30,000 to \$34,999
 \$35,000 to \$39,999
 \$40,000 to \$49,999
 \$50,000 to \$59,999
 \$60,000 to \$74,999
 \$75,000 to \$84,999
 \$85,000 to \$99,999
 \$100,000 to \$124,999
 \$125,000 to \$149,999
 \$150,000 to \$174,999
 \$175,000 to \$199,999
 \$200,000 to \$249,999
 \$250,000 or more

Table SM.1 Descriptive Statistics

		PEW		ANES 2016	
		Freq.	Percent	Freq.	Percent
ALL		5035		4270	
GENDER	male	2444	48.54	526	44.58
	female	2591	51.46	654	55.42
EDUCATION	highschool	1698	33.72	1384	37.94
	college	1400	27.81	1091	29.9
	bachelor	1937	38.47	1156	31.69
ETHNORACE	white	3649	72.47	2531	69.38
	Black	444	8.82	397	10.88
	Hispanic	566	11.24	432	11.85
	other	376	7.47	269	7.37
IDEOLOGY	liberal	1112	22.63	925	32.12
	moderate	2151	43.77	772	26.81
	conservative	1651	33.60	1182	41.06
PARTISANSHIP	Republican	1437	29.14	1017	28.36
	Democrat	1633	33.12	1285	35.86
	Independent	1438	29.16	1161	32.39
	Something else	423	8.58	121	3.38
		Mean	min./max.	Mean	min./max.
AGE		52.11	18/94	47.39	18/90
INCOME		60,000-74,999	5,000/250,000	50,000-59,999	unknown
TRUST MEDIA		2.87	1/4		

SUPPLEMENTARY TABLES

Table SM.2 Logistic regression models

VARIABLES	obamaC		immproblemC		abortionC		governmentC	
	Coef.	p-values	Coef.	p-values	Coef.	p-values	Coef.	p-values
Sex (1=female)	0.0844 (0.0888)	0.341	0.0184 (0.0751)	0.807	0.0839 (0.0869)	0.335	0.276 (0.0754)	0.000
Age	-0.0125 (0.00256)	0.000	-0.0159 (0.00231)	0.000	-0.0136 (0.00264)	0.000	-0.0262 (0.00241)	0.000
Some college (ref. Highschool)	0.486 (0.103)	0.000	0.269 (0.0913)	0.003	0.131 (0.104)	0.212	0.249 (0.0908)	0.006
Bachelor (ref. Highschool)	1.045 (0.113)	0.000	0.938 (0.0985)	0.000	0.541 (0.115)	0.000	0.821 (0.101)	0.000
Income	0.0817 (0.0104)	0.000	0.0257 (0.00937)	0.006	0.0391 (0.0107)	0.000	0.0323 (0.00920)	0.000
Trust in media	0.525 (0.0534)	0.000	0.232 (0.0471)	0.000	-0.0576 (0.0591)	0.330	0.346 (0.0477)	0.000
Democrat (ref. Republican)	1.275 (0.141)	0.000	0.815 (0.120)	0.000	-0.458 (0.144)	0.002	0.374 (0.123)	0.002
Independent (ref. Republican)	0.741 (0.112)	0.000	0.521 (0.0981)	0.000	-0.136 (0.133)	0.307	0.211 (0.103)	0.041
Other (ref. Republican)	0.446 (0.160)	0.005	0.767 (0.149)	0.000	-0.194 (0.189)	0.303	0.0587 (0.150)	0.696
Moderate (ref. Liberal)	-0.488 (0.151)	0.001	-0.565 (0.118)	0.000	0.131 (0.110)	0.235	0.0103 (0.108)	0.924
Conservative (ref. Liberal)	-0.669 (0.161)	0.000	-1.052 (0.131)	0.000	0.360 (0.145)	0.013	-0.226 (0.126)	0.073
Black (ref. White)	0.356 (0.191)	0.062	0.430 (0.153)	0.000	-0.698 (0.137)	0.000	-0.672 (0.132)	0.000
Hispanic (ref. White)	-0.0931 (0.141)	0.508	0.226 (0.128)	0.077	-0.638 (0.124)	0.000	-0.695 (0.118)	0.000
Other (ref. White)	0.0371 (0.204)	0.856	-0.0963 (0.171)	0.574	-0.117 (0.182)	0.521	-0.430 (0.168)	0.011
Constant	-1.136 (0.277)	0.000	0.306 (0.245)	0.212	1.905 (0.292)	0.000	0.547 (0.241)	0.023
Observations	4,815		4,829		4,825		4,836	

Note: Standard errors in parentheses. Tests of significance are two-tailed. All data are weighted. Data Source: Pew Research Center 2018

Table SM.2 cont.

VARIABLES	immrightsC		isisC		wageC		socialcostC	
	Coef.	p-value	Coef.	p-value	Coef.	p-value	Coef.	p-value
Sex (1=female)	-0.0606 (0.0682)	0.375	-0.395 (0.0748)	0.000	-0.146 (0.0805)	0.066	-0.0181 (0.0686)	0.792
Age	-0.0156 (0.00215)	0.000	-0.00577 (0.00226)	0.011	-0.00313 (0.00245)	0.200	-0.0217 (0.00213)	0.000
Some college (ref. Highschool)	0.118 (0.0865)	0.172	0.262 (0.0904)	0.004	0.348 (0.0970)	0.000	0.163 (0.0845)	0.053
Bachelor (ref. Highschool)	0.427 (0.0889)	0.000	0.630 (0.0972)	0.000	0.879 (0.108)	0.000	0.848 (0.0895)	0.000
Income	0.0208 (0.00835)	0.013	0.0357 (0.00894)	0.000	0.0476 (0.00965)	0.000	0.0385 (0.00833)	0.000
Trust in media	0.373 (0.0434)	0.000	0.235 (0.0471)	0.000	-0.126 (0.0524)	0.016	0.203 (0.0443)	0.000
Democrat (ref. Republican)	0.397 (0.106)	0.000	-0.135 (0.116)	0.247	-0.535 (0.129)	0.000	-0.249 (0.110)	0.023
Independent (ref. Republican)	0.231 (0.0923)	0.012	0.0873 (0.107)	0.413	-0.0439 (0.124)	0.722	-0.0668 (0.0964)	0.489
Other (ref. Republican)	0.179 (0.138)	0.194	-0.245 (0.147)	0.095	-0.255 (0.168)	0.129	-0.456 (0.138)	0.001
Moderate (ref. Liberal)	-0.472 (0.0968)	0.000	-0.262 (0.102)	0.010	0.0259 (0.104)	0.803	-0.0451 (0.0922)	0.625
Conservative (ref. Liberal)	-0.727 (0.113)	0.000	-0.0770 (0.125)	0.537	0.282 (0.134)	0.036	0.230 (0.112)	0.040
Black (ref. White)	-0.0633 (0.123)	0.606	-0.796 (0.126)	0.000	-0.962 (0.127)	0.000	-0.661 (0.122)	0.000
Hispanic (ref. White)	0.234 (0.113)	0.037	-0.541 (0.111)	0.000	-0.874 (0.113)	0.000	-0.172 (0.111)	0.119
Other (ref. White)	-0.289 (0.148)	0.052	-0.491 (0.155)	0.002	-0.402 (0.168)	0.017	-0.228 (0.145)	0.115
Constant	-0.259 (0.218)	0.235	0.387 (0.239)	0.106	1.179 (0.264)	0.000	0.258 (0.223)	0.247
Observations	4,819		4,790		4,828		4,814	

Note: Standard errors in parentheses. Tests of significance are two-tailed. All data are weighted. Data Source: Pew Research Center 2018

Table SM.2 cont.

VARIABLES	healthcareC		muslimsC	
	Coef.	p-value	Coef.	p-value
Sex (1=female)	0.0249 (0.0799)	0.755	0.0483 (0.0791)	0.541
Age	-0.00533 (0.00238)	0.025	-0.00447 (0.00240)	0.062
Some college (ref. Highschool)	0.197 (0.0973)	0.043	0.152 (0.0982)	0.122
Bachelor (ref. Highschool)	0.447 (0.102)	0.000	0.349 (0.105)	0.001
Income	0.0343 (0.00962)	0.000	0.0359 (0.00945)	0.000
Trust in media	0.289 (0.0499)	0.000	-0.0397 (0.0524)	0.449
Democrat (ref. Republican)	0.349 (0.127)	0.006	-0.443 (0.129)	0.001
Independent (ref. Republican)	0.155 (0.108)	0.151	-0.0632 (0.118)	0.593
Other (ref. Republican)	0.282 (0.159)	0.077	-0.408 (0.163)	0.012
Moderate (ref. Liberal)	-0.317 (0.119)	0.008	0.245 (0.101)	0.015
Conservative (ref. Liberal)	-0.464 (0.136)	0.001	0.283 (0.129)	0.028
Black (ref. White)	-0.344 (0.144)	0.017	-0.694 (0.129)	0.000
Hispanic (ref. White)	-0.758 (0.118)	0.000	-0.758 (0.113)	0.000
Other (ref. White)	-0.521 (0.164)	0.002	-0.448 (0.158)	0.005
Constant	0.370 (0.255)	0.146	1.126 (0.255)	0.000
Observations	4,825		4,818	

Note: Standard errors in parentheses. Tests of significance are two-tailed. All data are weighted. Data Source: Pew Research Center 2018

Table SM.2 cont.

VARIABLES	Number correct liberal scale		Number correct ethnoracial scale	
	Coef.	p-value	Coef.	p-value
Sex (1=female)	-0.00280 (0.00518)	0.589	0.000905 (0.00279)	0.746
Age	-0.00235 (0.000155)	0.000	-0.000930 (8.36e-05)	0.000
Some college (ref. Highschool)	0.0485 (0.00654)	0.000	0.0204 (0.00352)	0.000
Bachelor (ref. Highschool)	0.119 (0.00708)	0.000	0.0464 (0.00381)	0.000
Income	0.00727 (0.000622)	0.000	0.00278 (0.000335)	0.000
Trust in media	0.0381 (0.00327)	0.000	0.0205 (0.00176)	0.000
Democrat (ref. Republican)	0.0236 (0.00822)	0.004	0.0359 (0.00443)	0.000
Independent (ref. Republican)	0.0365 (0.00746)	0.000	0.0299 (0.00402)	0.000
Other (ref. Republican)	0.00768 (0.0103)	0.457	0.0226 (0.00557)	0.000
Moderate (ref. Liberal)	-0.0257 (0.00691)	0.000	-0.0174 (0.00372)	0.000
Conservative (ref. Liberal)	-0.0353 (0.00840)	0.000	-0.0359 (0.00453)	0.000
Black (ref. White)	-0.0857 (0.00872)	0.000	-0.00264 (0.00470)	0.575
Hispanic (ref. White)	-0.0740 (0.00766)	0.000	-0.00500 (0.00412)	0.225
Other (ref. White)	-0.0526 (0.00970)	0.000	-0.0158 (0.00522)	0.002
Constant	0.595 (0.0160)	0.000	0.204 (0.00863)	0.000
Observations	4,843		4,840	
R-squared	0.251		0.201	

Note: Standard errors in parentheses. Tests of significance are two-tailed. All data are weighted. Data Source: Pew Research Center 2018

Table SM.3 Interactive models ideology × ethnoracial membership

VARIABLES	Ideological statements scale (Model 1)		Ethnoracial statements scale (Model 2)	
	Coef.	p-value	Coef.	p-value
Sex (1=female)	0.0119 (0.00432)	0.006	-0.00154 (0.00710)	0.828
Age	-0.000538 (0.000128)	0.000	-0.00195 (0.000211)	0.000
Some college (ref. Highschool)	0.00539 (0.00540)	0.318	0.0331 (0.00887)	0.000
Bachelor (ref. Highschool)	0.00784 (0.00588)	0.182	0.0933 (0.00966)	0.000
Income	-0.000359 (0.000520)	0.490	0.00334 (0.000855)	0.000
Trust in media	0.0276 (0.00273)	0.000	0.0558 (0.00448)	0.000
Democrat (ref. Republican)	0.0809 (0.00695)	0.000	0.122 (0.0114)	0.000
Independent (ref. Republican)	0.0356 (0.00625)	0.000	0.0766 (0.0103)	0.000
Other (ref. Republican)	0.0576 (0.00862)	0.000	0.0917 (0.0142)	0.000
Moderate (ref. Liberal)	-0.0308 (0.00730)	0.000	-0.0788 (0.0120)	0.000
Conservative (ref. Liberal)	-0.0807 (0.00835)	0.000	-0.137 (0.0137)	0.000
Black (ref. White)	0.0634 (0.0126)	0.000	0.0410 (0.0207)	0.048
Hispanic (ref. White)	0.0234 (0.0114)	0.040	0.0263 (0.0188)	0.161
Black × moderate	0.00537 (0.0157)	0.732	0.0312 (0.0257)	0.225
Black × conservative	0.0125 (0.0196)	0.523	0.0251 (0.0323)	0.438
Hispanic × moderate	0.0158 (0.0142)	0.265	0.0249 (0.0233)	0.284
Hispanic × conservative	0.0441 (0.0167)	0.008	0.110 (0.0274)	0.000
Constant	0.412 (0.0140)	0.000	0.406 (0.0230)	0.000
Observations	4,488		4,485	
R-squared	0.229		0.243	

Note: Standard errors in parentheses. Tests of significance are two-tailed. All data are weighted. Data Source: Pew Research Center 2018

Table SM.4 Interactive models partisanship × ethnoracial membership

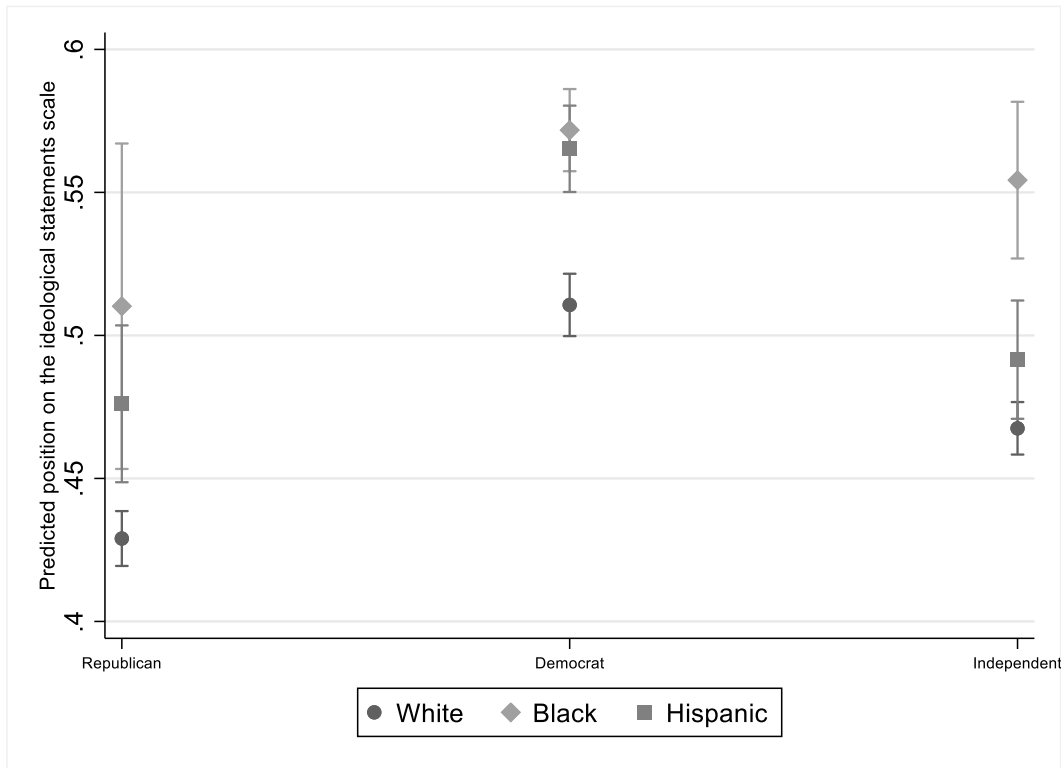
VARIABLES	Ideological statements scale (Model 1)		Ethnoracial statements scale (Model 2)	
	Coef.	p-value	Coef.	p-value
Sex (1=female)	0.0152 (0.00454)	0.001	0.000737 (0.00735)	0.920
Age	-0.000520 (0.000133)	0.000	-0.00182 (0.000215)	0.000
Some college (ref. Highschool)	0.00562 (0.00571)	0.325	0.0291 (0.00925)	0.002
Bachelor (ref. Highschool)	0.00920 (0.00613)	0.133	0.0918 (0.00993)	0.000
Income	-0.000645 (0.000554)	0.245	0.00324 (0.000898)	0.000
Trust in media	0.0285 (0.00290)	0.000	0.0541 (0.00470)	0.000
Moderate (ref. Liberal)	-0.0265 (0.00615)	0.000	-0.0665 (0.00996)	0.000
Conservative (ref. Liberal)	-0.0719 (0.00749)	0.000	-0.113 (0.0122)	0.000
Black (ref. White)	0.0812 (0.0294)	0.006	0.173 (0.0476)	0.000
Hispanic (ref. White)	0.0471 (0.0146)	0.001	0.0956 (0.0237)	0.000
Democrat (ref. Republican)	0.0817 (0.00799)	0.000	0.148 (0.0130)	0.000
Independent (ref. Republican)	0.0385 (0.00674)	0.000	0.0812 (0.0109)	0.000
Black × Democrat	-0.0201 (0.0307)	0.513	-0.153 (0.0497)	0.002
Black × Independent	0.00555 (0.0328)	0.866	-0.0210 (0.0531)	0.692
Hispanic × Democrat	0.00748 (0.0172)	0.664	-0.0482 (0.0279)	0.084
Hispanic × Independent	-0.0231 (0.0185)	0.211	-0.0524 (0.0299)	0.080
Constant	0.403 (0.0142)	0.000	0.384 (0.0230)	0.000
Observations	4,136		4,134	
R-squared	0.238		0.255	

Note: Standard errors in parentheses. Tests of significance are two-tailed. All data are weighted. Data Source: Pew Research Center 2018

SUPPLEMENTARY FIGURES

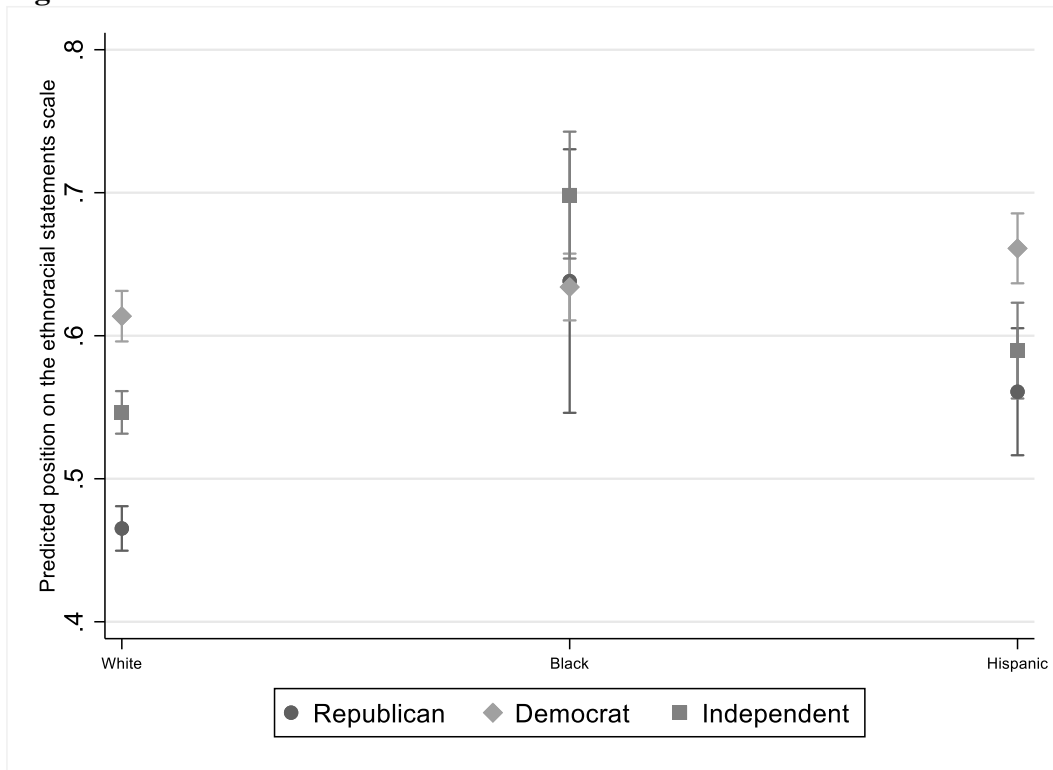
Figures from the interaction between partisanship \times ethnoracial membership

Figure SM.1 From Table SM.4 – ideological statements scale



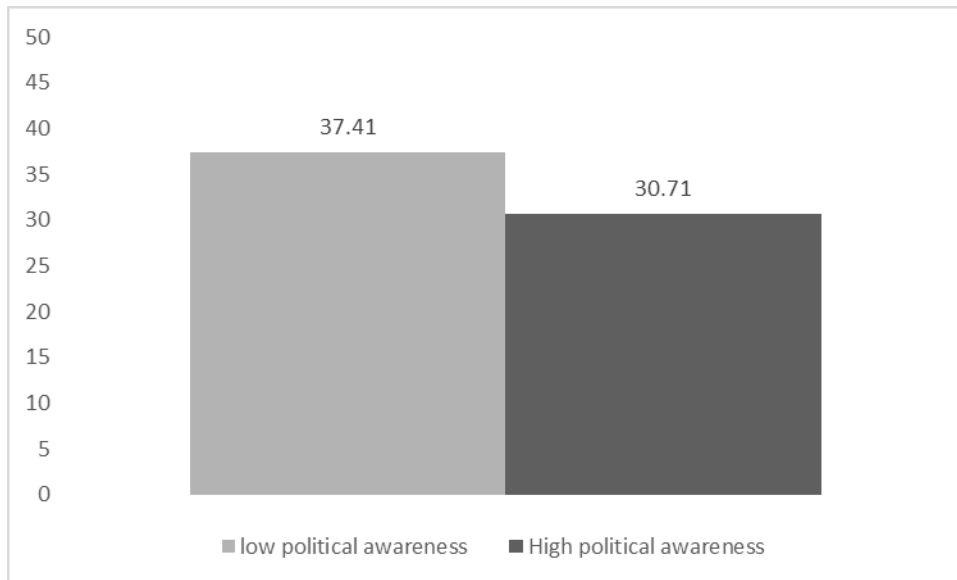
Note: Figure presents the marginal effects of a respondent's partisan identification (and 95% confidence intervals), dependent on their ethnoracial membership, on the ideological statements scale, based on the interaction model estimations (between the partisanship and ethnoracial variables) - Model 1 of Table SM.4.

Figure SM.2 From Table SM.4 – ethnoracial statements scale



Note: Figure presents the marginal effects of a respondent’s ethnoracial membership (and 95% confidence intervals), dependent on their partisan identification, on the ethnoracial statements scale, based on the interaction model estimations (between the partisanship and ethnoracial variables) - Model 2 of Table SM.4.

Figure SM.3 Test for expressive responding among conservative respondents



Note: Figure presents the percent of conservative respondents providing an incorrect classification – as opinion – of the statement ‘President Barack Obama was born in the United States’, by political awareness (a composite index measuring political knowledge and interest in politics and government). Differences are statistically significant at $p=0.083$ (two-tailed significance tests; weighted data). These differences hold even after controlling for age, sex, education, income, trust in media, partisanship and ethnoracial membership. Respondents with low political awareness are significantly more likely to choose the incorrect answer than respondents with high political awareness, against the ‘expressive responding hypothesis’ (the most politically aware should be the most likely to bias their answers – classify the statement as an opinion).