Supplemental Materials for Report #: CUPES-009

Feel free to contact research@skeptic.com with follow-up questions.

Participant Filter

CUPES: The full sample included 1401 participants. For the analyses presented this report, 323 participants were excluded because they did not identify as a member of one of the dominant political parties (i.e., Democratic and Republican).

SPAS: The full sample included 731 participants. For the analyses presented this report, 298 participants were excluded because they did not identify as a member of one of the dominant political parties (i.e., Democratic and Republican).

As always, feel free to contact research@skeptic.com with follow-up questions.

Citations

Jones, R. and Najle, M. 2018. American Democracy in Crisis: The Fate of Pluralism in a Divided Nation. *Public Religion Research Institute.* https://www.prri.org/wp-content/uploads/2019/02/Democracy-in-Crisis-3-Pluralism-1.pdf

Chen, M. K., & Rohla, R. (2018). The effect of partisanship and political advertising on close family ties. *Science*, *360*(6392), 1020-1024.

For Figures 1 and 2

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GLM Social_Family Social_Friends BY Study Sex Political_Affiliation
  /WSFACTOR=Social 2 Polynomial
  /METHOD=SSTYPE(3)
  /PLOT=PROFILE(Study*Sex Study*Sex*Social) TYPE=LINE ERRORBAR=NO MEANREFERENCE=NO YAXIS=AUTO
  /EMMEANS=TABLES(Study*Sex*Social)
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  /CRITERIA=ALPHA(.05)
  /WSDESIGN=Social
  /DESIGN=Study Sex Political_Affiliation Study*Sex Study*Political_Affiliation
    Sex*Political_Affiliation Study*Sex*Political_Affiliation.
```

General Linear Model

Within-Subjects Factors

Measure: MEASURE_1

Social	Dependent Variable
1	Social_Family
2	Social_Friends

Between-Subjects Factors

		Value Label	N
Study	1	CUPES	1078
	2	SPAS	440
What is your biological sex?	1	Male	756
	2	Female	762
	1	Democratic Party	815

Generally speaking, which of the following do you affiliate with? - Selected Choice	2	Republican Party	703

Descriptive Statistics

	Study	What is your biological sex?	Generally speaking, which of the following do you affiliate with? - Selected Choice	Mean	Std. Deviation	N
How often do you do the following things? - Spend a social evening with relatives/family?	CUPES	Male	Democratic Party	3.2527	1.72946	273
			Republican Party	3.7470	1.65209	253
			Total	3.4905	1.70905	526
		Female	Democratic Party	3.0892	1.72512	314
			Republican Party	3.2017	1.64883	238
			Total	3.1377	1.69205	552
		Total	Democratic Party	3.1652	1.72760	587
			Republican Party	3.4827	1.67125	491
			Total	3.3098	1.70871	1078
	SPAS	Male	Democratic Party	3.7339	1.71940	109
			Republican Party	3.5207	1.56044	121
			Total	3.6217	1.63757	230
		Female	Democratic Party	3.6975	1.81591	119
			Republican Party	3.7253	1.59211	91
			Total	3.7095	1.71857	210
		Total	Democratic Party	3.7149	1.76664	228
			Republican Party	3.6085	1.57363	212
			Total	3.6636	1.67537	440
	Total	Male	Democratic Party	3.3901	1.73801	382
			Republican Party	3.6738	1.62438	374
			Total	3.5304	1.68763	756
		Female	Democratic Party	3.2564	1.76943	433
			Republican Party	3.3465	1.64771	329
			Total	3.2953	1.71741	762
		Total	Democratic Party	3.3190	1.75497	815
			Republican Party	3.5206	1.64232	703
			Total	3.4124	1.70614	1518
How often do you do the following things? - Spend a social evening with friends?	CUPES	Male	Democratic Party	3.15385	1.690739	273
			Republican Party	3.39526	1.690865	253
			Total	3.26996	1.693498	526
		Female	Democratic Party	2.43631	1.674109	314
			Republican Party	2.35294	1.534901	238
			Total	2.40036	1.614656	552

		Total	Democratic Party	2.77002	1.718178	587
			Republican Party	2.89002	1.697574	491
			Total	2.82468	1.709079	1078
	SPAS	Male	Democratic Party	3.29358	1.657211	109
			Republican Party	3.22314	1.594196	121
			Total	3.25652	1.621182	230
		Female	Democratic Party	2.71429	1.667958	119
			Republican Party	2.57143	1.484309	91
			Total	2.65238	1.588873	210
		Total	Democratic Party	2.99123	1.684318	228
			Republican Party	2.94340	1.577869	212
			Total	2.96818	1.632217	440
	Total	Male	Democratic Party	3.19372	1.680258	382
			Republican Party	3.33957	1.660029	374
			Total	3.26587	1.670769	756
		Female	Democratic Party	2.51270	1.675104	433
			Republican Party	2.41337	1.521974	329
			Total	2.46982	1.610497	762
		Total	Democratic Party	2.83190	1.710630	815
			Republican Party	2.90612	1.661446	703
			Total	2.86627	1.687882	1518

Box's Test of Equality of Covariance Matrices[a]

Box's M	26.372
F	1.249
df1	21
df2	2195934.588
Sig.	.198

Tests the null hypothesis that the observed covariance matrices of the dependent variables are equal across groups.[a]

a. Design: Intercept + Study + Sex + Political_Affiliation + Study * Sex + Study * Political_Affiliation + Sex * Political_Affiliation + Study * Sex * Political_Affiliation

Within Subjects Design: Social

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Social	Pillai's Trace	.095	158.247[b]	1.000	1510.000	.000	.095
	Wilks' Lambda	.905	158.247[b]	1.000	1510.000	.000	.095
	Hotelling's Trace	.105	158.247[b]	1.000	1510.000	.000	.095
	Roy's Largest Root	.105	158.247[b]	1.000	1510.000	.000	.095
Social * Study	Pillai's Trace	.004	5.781[b]	1.000	1510.000	.016	.004

	Wilks' Lambda	.996	5.781[b]	1.000	1510.000	.016	.004
	Hotelling's Trace	.004	5.781[b]	1.000	1510.000	.016	.004
	Roy's Largest Root	.004	5.781[b]	1.000	1510.000	.016	.004
Social * Sex	Pillai's Trace	.026	40.766[b]	1.000	1510.000	.000	.026
	Wilks' Lambda	.974	40.766[b]	1.000	1510.000	.000	.026
	Hotelling's Trace	.027	40.766[b]	1.000	1510.000	.000	.026
	Roy's Largest Root	.027	40.766[b]	1.000	1510.000	.000	.026
Social * Political_Affiliation	Pillai's Trace	.001	1.542[b]	1.000	1510.000	.214	.001
	Wilks' Lambda	.999	1.542[b]	1.000	1510.000	.214	.001
	Hotelling's Trace	.001	1.542[b]	1.000	1510.000	.214	.001
	Roy's Largest Root	.001	1.542[b]	1.000	1510.000	.214	.001
Social * Study * Sex	Pillai's Trace	.001	.824[b]	1.000	1510.000	.364	.001
	Wilks' Lambda	.999	.824[b]	1.000	1510.000	.364	.001
	Hotelling's Trace	.001	.824[b]	1.000	1510.000	.364	.001
	Roy's Largest Root	.001	.824[b]	1.000	1510.000	.364	.001
Social * Study * Political_Affiliation	Pillai's Trace	.001	1.203[b]	1.000	1510.000	.273	.001
	Wilks' Lambda	.999	1.203[b]	1.000	1510.000	.273	.001
	Hotelling's Trace	.001	1.203[b]	1.000	1510.000	.273	.001
	Roy's Largest Root	.001	1.203[b]	1.000	1510.000	.273	.001
Social * Sex * Political_Affiliation	Pillai's Trace	.000	.447[b]	1.000	1510.000	.504	.000
	Wilks' Lambda	1.000	.447[b]	1.000	1510.000	.504	.000
	Hotelling's Trace	.000	.447[b]	1.000	1510.000	.504	.000
	Roy's Largest Root	.000	.447[b]	1.000	1510.000	.504	.000
Social * Study * Sex * Political_Affiliation	Pillai's Trace	.001	.932[b]	1.000	1510.000	.334	.001
	Wilks' Lambda	.999	.932[b]	1.000	1510.000	.334	.001
	Hotelling's Trace	.001	.932[b]	1.000	1510.000	.334	.001
	Roy's Largest Root	.001	.932[b]	1.000	1510.000	.334	.001

a. Design: Intercept + Study + Sex + Political_Affiliation + Study * Sex + Study * Political_Affiliation + Sex * Political_Affiliation + Study * Sex * Political_Affiliation

Within Subjects Design: Social

b. Exact statistic

Mauchly's Test of Sphericity[a]

Measure: MEASURE_1

					Epsilon[b]		
Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Greenhouse-Geisser	Huynh-Feldt	Lower-bound
Social	1.000	.000	0	.	1.000	1.000	1.000

Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix.[a]

a. Design: Intercept + Study + Sex + Political_Affiliation + Study * Sex + Study * Political_Affiliation + Sex * Political_Affiliation + Study * Sex * Political_Affiliation
Within Subjects Design: Social

b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table.

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Social	Sphericity Assumed	224.779	1	224.779	158.247	.000
	Greenhouse-Geisser	224.779	1.000	224.779	158.247	.000
	Huynh-Feldt	224.779	1.000	224.779	158.247	.000
	Lower-bound	224.779	1.000	224.779	158.247	.000
Social * Study	Sphericity Assumed	8.212	1	8.212	5.781	.016
	Greenhouse-Geisser	8.212	1.000	8.212	5.781	.016
	Huynh-Feldt	8.212	1.000	8.212	5.781	.016
	Lower-bound	8.212	1.000	8.212	5.781	.016
Social * Sex	Sphericity Assumed	57.906	1	57.906	40.766	.000
	Greenhouse-Geisser	57.906	1.000	57.906	40.766	.000
	Huynh-Feldt	57.906	1.000	57.906	40.766	.000
	Lower-bound	57.906	1.000	57.906	40.766	.000
Social * Political_Affiliation	Sphericity Assumed	2.191	1	2.191	1.542	.214
	Greenhouse-Geisser	2.191	1.000	2.191	1.542	.214
	Huynh-Feldt	2.191	1.000	2.191	1.542	.214
	Lower-bound	2.191	1.000	2.191	1.542	.214
Social * Study * Sex	Sphericity Assumed	1.170	1	1.170	.824	.364
	Greenhouse-Geisser	1.170	1.000	1.170	.824	.364
	Huynh-Feldt	1.170	1.000	1.170	.824	.364
	Lower-bound	1.170	1.000	1.170	.824	.364
Social * Study * Political_Affiliation	Sphericity Assumed	1.709	1	1.709	1.203	.273
	Greenhouse-Geisser	1.709	1.000	1.709	1.203	.273
	Huynh-Feldt	1.709	1.000	1.709	1.203	.273
	Lower-bound	1.709	1.000	1.709	1.203	.273
	Sphericity Assumed	.635	1	.635	.447	.504

Social * Sex * Political_Affiliation	Greenhouse-Geisser	.635	1.000	.635	.447	.504
	Huynh-Feldt	.635	1.000	.635	.447	.504
	Lower-bound	.635	1.000	.635	.447	.504
Social * Study * Sex * Political_Affiliation	Sphericity Assumed	1.324	1	1.324	.932	.334
	Greenhouse-Geisser	1.324	1.000	1.324	.932	.334
	Huynh-Feldt	1.324	1.000	1.324	.932	.334
	Lower-bound	1.324	1.000	1.324	.932	.334
Error(Social)	Sphericity Assumed	2144.851	1510	1.420		
	Greenhouse-Geisser	2144.851	1510.000	1.420		
	Huynh-Feldt	2144.851	1510.000	1.420		
	Lower-bound	2144.851	1510.000	1.420		

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Partial Eta Squared
Social	Sphericity Assumed	.095
	Greenhouse-Geisser	.095
	Huynh-Feldt	.095
	Lower-bound	.095
Social * Study	Sphericity Assumed	.004
	Greenhouse-Geisser	.004
	Huynh-Feldt	.004
	Lower-bound	.004
Social * Sex	Sphericity Assumed	.026
	Greenhouse-Geisser	.026
	Huynh-Feldt	.026
	Lower-bound	.026
Social * Political_Affiliation	Sphericity Assumed	.001
	Greenhouse-Geisser	.001
	Huynh-Feldt	.001
	Lower-bound	.001
Social * Study * Sex	Sphericity Assumed	.001
	Greenhouse-Geisser	.001
	Huynh-Feldt	.001
	Lower-bound	.001
Social * Study * Political_Affiliation	Sphericity Assumed	.001
	Greenhouse-Geisser	.001
	Huynh-Feldt	.001
	Lower-bound	.001
Social * Sex * Political_Affiliation	Sphericity Assumed	.000
	Greenhouse-Geisser	.000

	Huynh-Feldt	.000
	Lower-bound	.000
Social * Study * Sex * Political_Affiliation	Sphericity Assumed	.001
	Greenhouse-Geisser	.001
	Huynh-Feldt	.001
	Lower-bound	.001
Error(Social)	Sphericity Assumed	
	Greenhouse-Geisser	
	Huynh-Feldt	
	Lower-bound	

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Social	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Social	Linear	224.779	1	224.779	158.247	.000	.095
Social * Study	Linear	8.212	1	8.212	5.781	.016	.004
Social * Sex	Linear	57.906	1	57.906	40.766	.000	.026
Social * Political_Affiliation	Linear	2.191	1	2.191	1.542	.214	.001
Social * Study * Sex	Linear	1.170	1	1.170	.824	.364	.001
Social * Study * Political_Affiliation	Linear	1.709	1	1.709	1.203	.273	.001
Social * Sex * Political_Affiliation	Linear	.635	1	.635	.447	.504	.000
Social * Study * Sex * Political_Affiliation	Linear	1.324	1	1.324	.932	.334	.001
Error(Social)	Linear	2144.851	1510	1.420			

Levene's Test of Equality of Error Variances[a]

		Levene Statistic	df1	df2	Sig.
How often do you do the following things? - Spend a social evening with relatives/family?	Based on Mean	.864	7	1510	.535
	Based on Median	.880	7	1510	.522
	Based on Median and with adjusted df	.880	7	1485.670	.522
	Based on trimmed mean	.881	7	1510	.521
How often do you do the following things? - Spend a social evening with friends?	Based on Mean	1.170	7	1510	.317
	Based on Median	.919	7	1510	.491
	Based on Median and with adjusted df	.919	7	1464.656	.491

	Based on trimmed mean	1.169	7	1510	.318

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.[a]

a. Design: Intercept + Study + Sex + Political_Affiliation + Study * Sex + Study * Political_Affiliation + Sex * Political_Affiliation + Study * Sex * Political_Affiliation

Within Subjects Design: Social

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	25197.282	1	25197.282	6114.263	.000	.802
Study	33.043	1	33.043	8.018	.005	.005
Sex	120.314	1	120.314	29.195	.000	.019
Political_Affiliation	1.293	1	1.293	.314	.576	.000
Study * Sex	19.067	1	19.067	4.627	.032	.003
Study * Political_Affiliation	13.061	1	13.061	3.169	.075	.002
Sex * Political_Affiliation	2.791	1	2.791	.677	.411	.000
Study * Sex * Political_Affiliation	7.389	1	7.389	1.793	.181	.001
Error	6222.810	1510	4.121			

Estimated Marginal Means

Study * What is your biological sex? * Social

Measure: MEASURE_1

Study	What is your biological sex?	Social	Mean	Std. Error	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
CUPES	Male	1	3.500	.074	3.355	3.644
		2	3.275	.072	3.134	3.415
	Female	1	3.145	.073	3.003	3.288
		2	2.395	.070	2.256	2.533
SPAS	Male	1	3.627	.111	3.409	3.846
		2	3.258	.108	3.046	3.471
	Female	1	3.711	.118	3.481	3.942
		2	2.643	.114	2.419	2.867