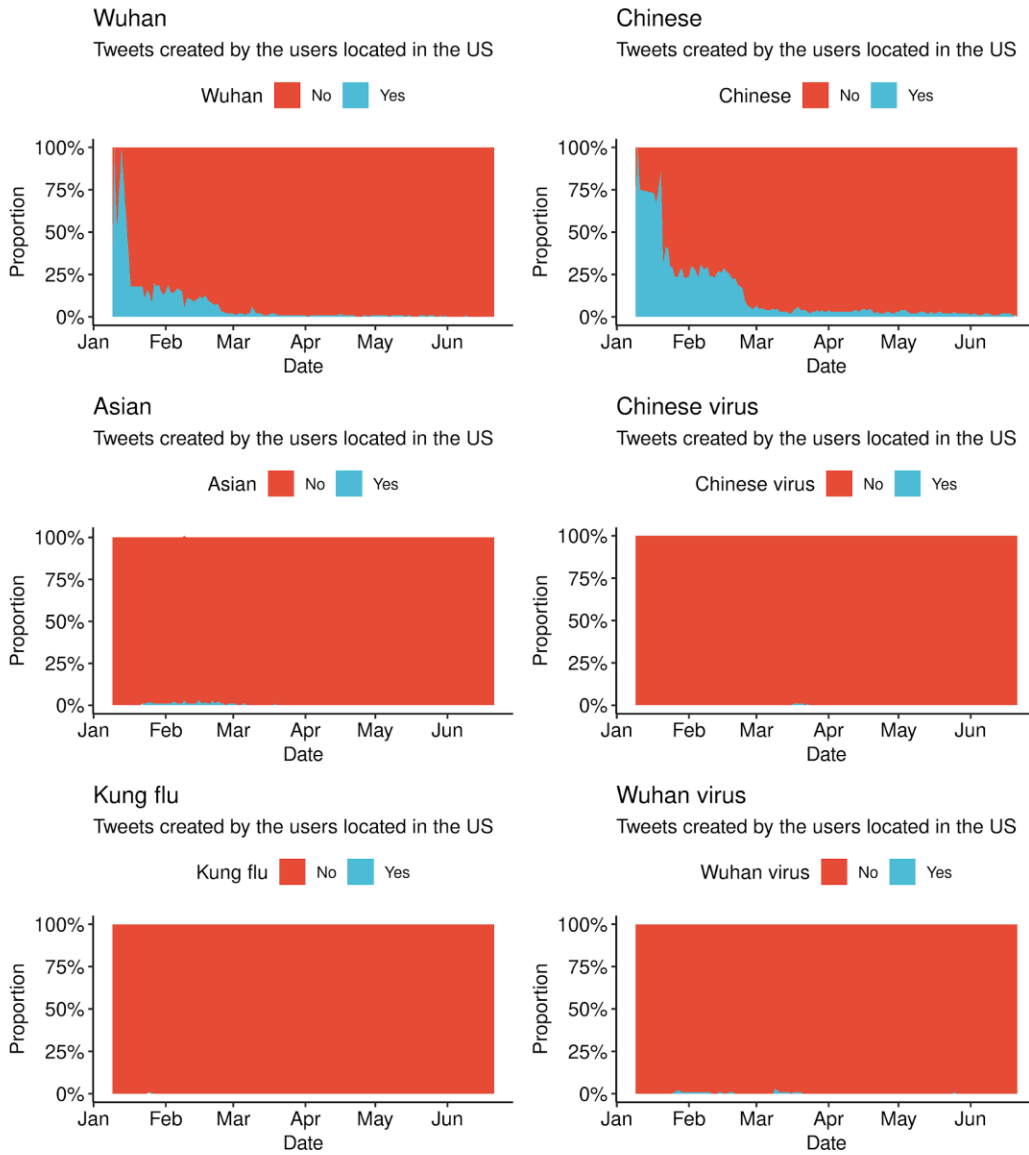
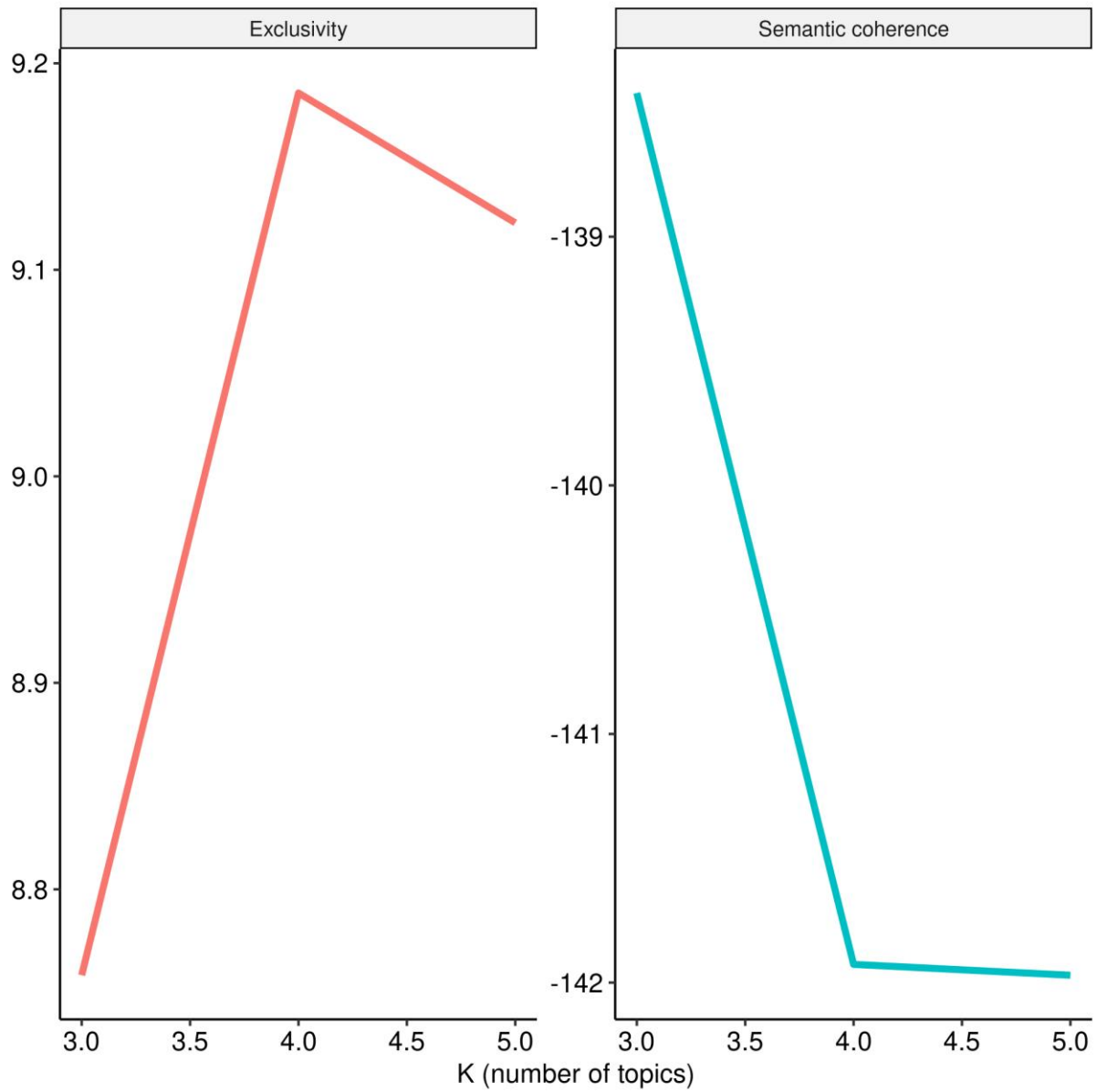


Online Appendix for COVID-19 and Asian Americans: How Elite Messaging and Social Exclusion Shape Partisan Attitudes (Perspectives on Politics)

**Appendix A: Twitter Data**



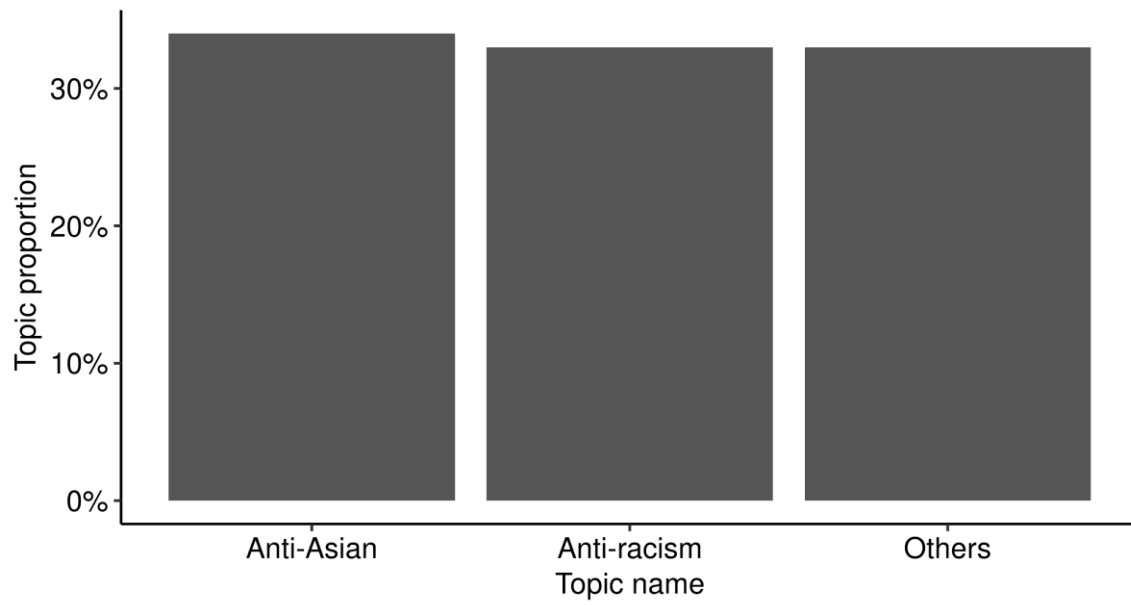
**Figure A.1: Broader Twitter trends in stacked line plots**



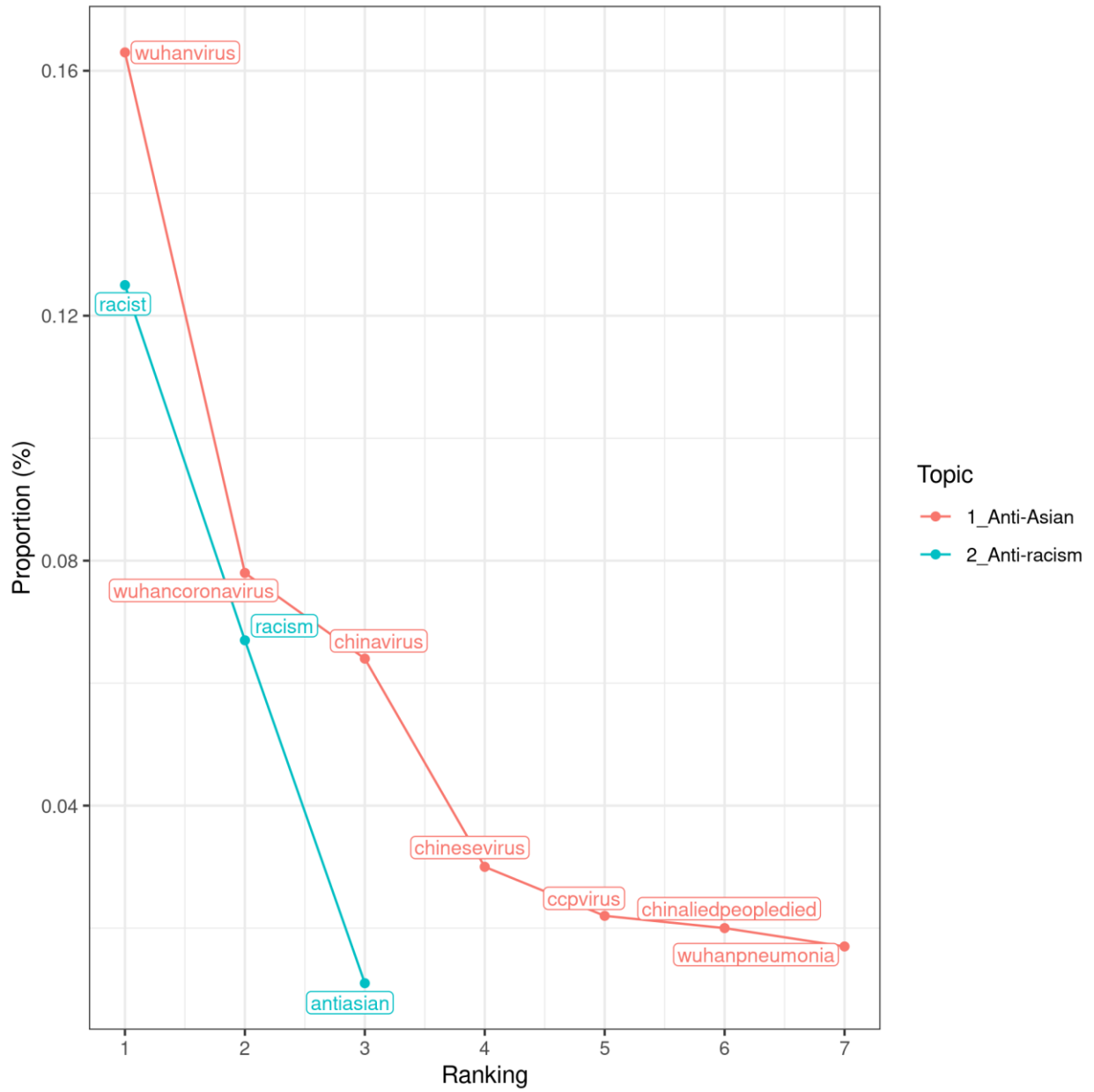
**Figure A.2: Topic modeling diagnostics**

### Topic-document distributions

Tweets mentioned COVID-19 and either Asian, Chinese, or Wuhan related word:



**Figure A.3: Base topic modeling analysis results**



**Figure A.4: Topic word distribution**

## Appendix B: Survey Data

	<i>Dependent variable:</i>			
	<i>OLS</i> Dem Party Fav	<i>OLS</i> Biden Fav	<i>logistic</i> Dem Party ID	<i>OLS</i> Dem Index
“Chinese Virus”	0.056** (0.026)	0.050* (0.026)	0.218 (0.154)	0.049** (0.023)
Female	0.017*** (0.006)	0.012** (0.006)	0.259*** (0.034)	0.028*** (0.005)
Income	-0.034*** (0.010)	-0.026** (0.010)	0.358*** (0.062)	0.003 (0.009)
Education	0.036** (0.015)	0.067*** (0.015)	0.258*** (0.089)	0.050*** (0.013)
Age	-0.001*** (0.0002)	0.001*** (0.0002)	0.004*** (0.001)	0.0002 (0.0002)
Born Outside of The U.S.	0.0002 (0.007)	0.001 (0.007)	-0.469*** (0.038)	-0.032*** (0.006)
Protestant	-0.075*** (0.010)	-0.095*** (0.010)	-0.261*** (0.059)	-0.073*** (0.009)
Liberal	0.189*** (0.007)	0.115*** (0.007)	1.514*** (0.038)	0.218*** (0.006)
Constant	0.580*** (0.021)	0.438*** (0.021)	-1.381*** (0.126)	0.406*** (0.019)
Weekly Fixed Effects	Yes	Yes	Yes	Yes
Observations	11,685	11,685	11,803	11,613
R <sup>2</sup>	0.088	0.048		0.130
Adjusted R <sup>2</sup>	0.084	0.044		0.126

Log Likelihood			-9,917.484
Akaike Inf. Crit.			19,932.970
Residual Std. Error	0.374 (df = 11636)	0.373 (df = 11636)	0.331 (df = 11564)
F Statistic	23.372*** (df = 48; 11636)	12.096*** (df = 48; 11636)	35.887*** (df = 48; 11564)

*Note:* OLS or logistic regression coefficients with standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01.

**Table B.1: Chinese Virus and Partisan Attitudes (Asian Americans Only)**

	<i>Dependent variable:</i>			
	Democratic Party Favorability			
	Asian American	African American	Latina/o	White
“Chinese Virus”	0.056** (0.026)	-0.012 (0.016)	-0.003 (0.016)	0.019*** (0.007)
Female	0.017*** (0.006)	0.067*** (0.004)	0.040*** (0.004)	0.049*** (0.002)
Income	-0.034*** (0.010)	0.026*** (0.006)	-0.026*** (0.007)	-0.055*** (0.003)
Education	0.036** (0.015)	0.032*** (0.010)	0.072*** (0.010)	0.118*** (0.004)
Age	-0.001*** (0.0002)	0.001*** (0.0001)	-0.002*** (0.0001)	-0.002*** (0.00005)
Born Outside of The U.S.	0.0002 (0.007)	0.009* (0.005)	0.025*** (0.004)	0.031*** (0.002)
Protestant	-0.075*** (0.010)	0.028*** (0.005)	-0.112*** (0.007)	-0.079*** (0.002)
Liberal	0.189*** (0.007)	0.108*** (0.004)	0.190*** (0.004)	0.340*** (0.002)

Constant	0.580*** (0.021)	0.564*** (0.013)	0.595*** (0.013)	0.455*** (0.006)
Weekly Fixed Effects	Yes	Yes	Yes	Yes
Observations	11,685	30,366	35,812	188,218
R <sup>2</sup>	0.088	0.051	0.083	0.194
Adjusted R <sup>2</sup>	0.084	0.049	0.081	0.194
Residual Std. Error	0.374 (df = 11636)	0.312 (df = 30317)	0.356 (df = 35763)	0.337 (df = 188169)
F Statistic	23.372*** (df = 48; 11636)	33.809*** (df = 48; 30317)	67.162*** (df = 48; 35763)	946.469*** (df = 48; 188169)

Note: OLS regression coefficients with standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01.

**Table B.2: Democratic Party Favorability Across Racial/Ethnic Groups**

	<i>Dependent variable:</i>			
	J. Biden Favorability			
	Asian American	African American	Latina/o	White
“Chinese Virus”	0.050* (0.026)	0.030* (0.016)	-0.017 (0.016)	-0.038*** (0.007)
Female	0.012** (0.006)	0.044*** (0.004)	0.036*** (0.004)	0.043*** (0.002)
Income	-0.026** (0.010)	0.018*** (0.006)	-0.020*** (0.007)	-0.043*** (0.003)
Education	0.067*** (0.015)	0.059*** (0.010)	0.080*** (0.010)	0.138*** (0.004)
Age	0.001*** (0.0002)	0.003*** (0.0001)	-0.00000 (0.0001)	-0.0001*** (0.00005)
Born Outside of The U.S.	0.001 (0.007)	0.019*** (0.005)	0.024*** (0.004)	0.021*** (0.002)
Protestant	-0.095***	0.042***	-0.068***	-0.074***

	(0.010)	(0.005)	(0.007)	(0.002)
Liberal	0.115*** (0.007)	0.060*** (0.004)	0.098*** (0.004)	0.235*** (0.002)
Constant	0.438*** (0.021)	0.467*** (0.013)	0.518*** (0.013)	0.387*** (0.006)
Weekly Fixed Effects	Yes	Yes	Yes	Yes
Observations	11,685	30,501	35,917	188,683
R <sup>2</sup>	0.048	0.059	0.030	0.106
Adjusted R <sup>2</sup>	0.044	0.058	0.029	0.106
Residual Std. Error	0.373 (df = 11636)	0.304 (df = 30452)	0.353 (df = 35868)	0.341 (df = 188634)
F Statistic	12.096*** (df = 48; 11636)	40.104*** (df = 48; 30452)	23.264*** (df = 48; 35868)	465.648*** (df = 48; 188634)

*Note:* Logistic regression coefficients with standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01.

**Table B.3: Biden Favorability Across Racial/Ethnic Groups**

<i>Dependent variable:</i>				
	Democratic Party Identification			
	Asian American	African American	Latina/o	White
“Chinese Virus”	0.218 (0.154)	0.010 (0.117)	-0.375*** (0.096)	0.036 (0.052)
Female	0.259*** (0.034)	0.521*** (0.026)	0.187*** (0.022)	0.413*** (0.012)
Income	0.358*** (0.062)	0.440*** (0.044)	-0.093** (0.040)	-0.158*** (0.021)
Education	0.258*** (0.089)	-0.015 (0.072)	0.427*** (0.059)	0.353*** (0.030)
Age	0.004*** (0.001)	0.026*** (0.001)	0.007*** (0.001)	0.007*** (0.0003)



Born Outside of The U.S.	-0.469*** (0.038)	-0.479*** (0.035)	-0.044* (0.024)	0.100*** (0.018)
Protestant	-0.261*** (0.059)	0.365*** (0.038)	-0.237*** (0.043)	-0.296*** (0.015)
Liberal	1.514***	1.243***	1.413***	2.253***
Constant	-1.381*** (0.126)	-1.422*** (0.094)	-1.046*** (0.075)	-2.158*** (0.043)

Weekly Fixed Effects	Yes	Yes	Yes	Yes
Observations	11,803	30,847	36,314	189,784
Log Likelihood	-9,917.484	-16,733.960	-24,522.920	-89,132.850
Akaike Inf. Crit.	19,932.970	33,565.930	49,143.830	178,363.700

*Note:* Logistic regression coefficients with standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01.

**Table B.4: Democratic Party Identification Across Racial/Ethnic Groups**

	Dependent variable:			
	Democratic Party Index			
	Asian American	African American	Latina/o	White
“Chinese Virus”	0.049** (0.023)	0.007 (0.014)	-0.030** (0.014)	-0.004 (0.006)
Female	0.028*** (0.005)	0.074*** (0.003)	0.039*** (0.003)	0.053*** (0.001)
Income	0.003 (0.009)	0.045*** (0.005)	-0.021*** (0.006)	-0.041*** (0.002)
Education	0.050*** (0.013)	0.028*** (0.009)	0.083*** (0.009)	0.104*** (0.003)
Age	0.0002 (0.0002)	0.003*** (0.0001)	-0.00005 (0.0001)	-0.0003*** (0.00004)

Born Outside of The U.S.	-0.032*** (0.006)	-0.026*** (0.005)	0.015*** (0.004)	0.024*** (0.002)
Protestant	-0.073*** (0.009)	0.045*** (0.004)	-0.079*** (0.006)	-0.067*** (0.002)
Liberal	0.218*** (0.006)	0.137*** (0.003)	0.209*** (0.004)	0.355*** (0.002)
Constant	0.406*** (0.019)	0.416*** (0.012)	0.456*** (0.011)	0.307*** (0.005)

Weekly Fixed Effects	Yes	Ye	Yes	Yes
Observations	11,613	30,143	35,566	187,452
R <sup>2</sup>	0.130	0.129	0.106	0.250
Adjusted R <sup>2</sup>	0.126	0.128	0.105	0.250
Residual Std. Error	0.331 (df = 11564)	0.271 (df = 30094)	0.310 (df = 35517)	0.284 (df = 187403)
F Statistic	35.887*** (df = 48; 11564)	93.087*** (df = 48; 30094)	87.869*** (df = 48; 35517)	1,304.819*** (df = 48; 187403)

Note: Logistic regression coefficients with standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01.

**Table B.5: Democratic Party Leaning Across Racial/Ethnic Groups**

	<i>Dependent variable:</i>		
	AAPI + Black	AAPI + White	AAPI + Latina/o
Trump Statement on “Chinese Virus”	0.016 (0.013)	-0.0005 (0.006)	-0.012 (0.012)
Female	-0.136*** (0.004)	0.061*** (0.003)	-0.021*** (0.004)
Income	0.062*** (0.003)	0.051*** (0.001)	0.035*** (0.003)

Education	0.026*** (0.005)	-0.038*** (0.002)	-0.011** (0.005)
Age	0.031*** (0.007)	0.101*** (0.003)	0.067*** (0.007)
Born Outside of The U.S.	0.002*** (0.0001)	-0.0003*** (0.00004)	0.00003 (0.0001)
Protestant	-0.036*** (0.003)	0.015*** (0.002)	-0.001 (0.003)
Liberal	0.015*** (0.004)	-0.068*** (0.002)	-0.079*** (0.005)
Chinese Virus * Asian	0.017** (0.008)	0.015** (0.006)	0.017** (0.008)
Constant	0.461*** (0.010)	0.308*** (0.005)	0.449*** (0.010)

---

Weekly Fixed Effects	Yes	Yes	Yes
Observations	41,756	199,065	45,858
R <sup>2</sup>	0.163	0.243	0.110
Adjusted R <sup>2</sup>	0.162	0.243	0.109
Residual Std. Error	0.292 (df = 41705)	0.288 (df = 199014)	0.318 (df = 45807)
F Statistic	161.929*** (df = 50; 41705)	1,276.554*** (df = 50; 199014)	113.662*** (df = 50; 45807)

---

Note: OLS regression coefficients with standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01.

**Table B.7: Chinese Virus and Democratic Party Index for Asian Americans Relative to Other Racial/Ethnic Groups (Full Model)**

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*Dependent variable:*

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Democratic Party Index

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Trump Statement on “Chinese Virus”	0.039 (0.025)
Female	-0.011 (0.012)
Income	0.028*** (0.005)
Education	0.015 (0.018)
Age	0.050*** (0.014)
Born Outside of The U.S.	0.0002 (0.0002)
Protestant	-0.032*** (0.006)
Liberal	-0.074***
Chinese Virus * Income	0.016 (0.014)
Constant	0.406*** (0.019)

---

Weekly Fixed Effects	Yes
Observations	11,613
R <sup>2</sup>	0.130
Adjusted R <sup>2</sup>	0.126
Residual Std. Error	0.331 (df = 11562)
F Statistic	34.489*** (df = 50; 11562)

Note: OLS regression coefficients with standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01.

**Table B.8: Chinese Virus and Democratic Party Index Among Asian Americans by High and Low Income**

	<i>Dependent variable:</i>					
	Chinese	Indian	Democratic Party Index		Filipina/o	Japanese
			Korean	Vietnamese		
Trump Statement on “Chinese Virus”	0.156*** (0.049)	0.026 (0.044)	0.117 (0.111)	-0.034 (0.069)	-0.078 (0.066)	-0.126 (0.084)
Female	0.009 (0.011)	0.007 (0.010)	0.069*** (0.022)	-0.002 (0.020)	0.052*** (0.015)	0.053*** (0.020)
Income	0.012 (0.020)	0.070*** (0.018)	-0.070* (0.040)	0.070* (0.037)	-0.110*** (0.026)	0.019 (0.036)
Education	-0.088*** (0.029)	0.105*** (0.026)	0.188*** (0.055)	-0.002 (0.050)	0.083* (0.043)	0.182*** (0.053)
Age	0.001*** (0.0004)	0.0003 (0.0004)	-0.002*** (0.001)	-0.003*** (0.001)	0.001* (0.001)	0.001 (0.001)
Born Outside of The U.S.	-0.055*** (0.012)	-0.028** (0.013)	-0.002 (0.025)	-0.024 (0.024)	-0.052*** (0.018)	0.005 (0.022)
Protestant	-0.054*** (0.015)	-0.136*** (0.023)	-0.025 (0.024)	0.146** (0.057)	-0.117*** (0.028)	-0.115*** (0.028)
Liberal	0.259*** (0.013)	0.156*** (0.011)	0.207*** (0.025)	0.215*** (0.024)	0.258*** (0.018)	0.247*** (0.022)
Constant	0.364*** (0.045)	0.416*** (0.034)	0.332*** (0.107)	0.665*** (0.061)	0.473*** (0.054)	0.241*** (0.070)

Weekly Fixed Effects	Yes	Yes	Yes	Yes	Yes	Yes
Observations	2,547	2,724	730	644	1,615	940
R <sup>2</sup>	0.215	0.155	0.289	0.345	0.187	0.293
Adjusted R <sup>2</sup>	0.199	0.140	0.238	0.293	0.162	0.254
Residual Std. Error	0.330 (df = 2498)	0.322 (df = 2675)	0.294 (df = 681)	0.263 (df = 595)	0.336 (df = 1566)	0.343 (df = 891)
F Statistic	14.216*** (df = 48; 2498)	10.230*** (df = 48; 2675)	5.756*** (df = 48; 681)	6.544*** (df = 48; 595)	7.484*** (df = 48; 1566)	7.678*** (df = 48; 891)

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*Note:* OLS regression coefficients with standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01.

**Table B.9: Chinese Virus and Democratic Party Index Among Asian Americans by National-Origin**