## Supplemental Online Material for "Aimed Emotions in American Presidential Politics"

## List of Contents

Table A1:	2016 Cycle Debates and Participants
Table A2:	2020 Cycle Debates and Participants
Table A3:	Twitter Data Source Handles by Presidential Candidate
Table A4:	Performance Metrics for Trained RoBERTa Classifiers
Table A5:	Replication of Models 1 to 3 with Day-Of and Day-After Tweets Only
Table A6:	Replication of Models 4 to 6 with Day-Of and Day-After Tweets Only
Table A7:	Replication of Models 1 to 3 with Joint-Coding Trained Classifiers
Table A8:	Replication of Models 4 to 6 with Joint-Coding Trained Classifiers
Table A9:	Replication of Models 1 to 3 with Linear Probability Model Estimation
Table A10:	Replication of Models 4 to 6 with Linear Probability Model Estimation

						Republicans								Democrats		
Date	Bush	Carson	Christie	Cruz	Fiorina	Huckabee	Kasich	Paul	Rubio	Trump	Walker	Chafee	Clinton	O'Malley	Sanders	Webb
2015-08-06	~	~	1	~		✓	✓	~	~	1	~					
2015-09-16	~	$\checkmark$	$\checkmark$	1	$\checkmark$	~	✓	~	$\checkmark$	✓	$\checkmark$					
2015-10-13												~	$\checkmark$	$\checkmark$	~	~
2015-10-28	✓	✓	✓	$\checkmark$	$\checkmark$	$\checkmark$	✓	✓	✓	✓						
2015-11-10	✓	$\checkmark$		$\checkmark$	$\checkmark$		$\checkmark$	✓	$\checkmark$	✓						
2015 - 11 - 14													$\checkmark$	$\checkmark$	✓	
2015 - 12 - 15	$\checkmark$	$\checkmark$	$\checkmark$	✓	$\checkmark$		$\checkmark$	$\checkmark$	$\checkmark$	✓						
2015-12-19													~	$\checkmark$	$\checkmark$	
2016-01-14	$\checkmark$	$\checkmark$	✓	$\checkmark$			$\checkmark$		$\checkmark$	✓						
2016-01-17													$\checkmark$	$\checkmark$	~	
2016-01-28	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$			$\checkmark$	~	$\checkmark$							
2016-02-04													$\checkmark$		~	
2016-02-06	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$			$\checkmark$		$\checkmark$	$\checkmark$						
2016-02-11													√		$\checkmark$	
2016-02-13	$\checkmark$	√		~			√		√	<ul> <li>✓</li> </ul>						
2016-02-25		✓		<ul> <li>Image: A second s</li></ul>			× .		~	<ul> <li>Image: A second s</li></ul>						
2016-03-03				~			✓		√	✓						
2016-03-06													×		~	
2016-03-09													✓		~	
2016-03-10				$\checkmark$			~		~	✓						
2016-04-14													√		√	
2016-09-26										$\checkmark$			$\checkmark$			
2016-10-09										✓			$\checkmark$			
2016-10-19										✓			~			

Table A1: 2016 Cycle Debates and Participants

Note: Table indicates the participants in each of the nationally televised debates in the 2016 cycle included in the dataset.

	Repub.						Democra	ats				
Date	Trump	Bennet	Biden	Bloomberg	Booker	Bullock	Buttigieg	Castro	De Blasio	Delaney	Gabbard	Gillibrand
2019-06-26					✓			✓	√	✓	✓	
2019-06-27		$\checkmark$	$\checkmark$				~					✓
2019-07-30						$\checkmark$	$\checkmark$			$\checkmark$		
2019-07-31		✓	$\checkmark$		✓			$\checkmark$	✓		✓	~
2019-09-12			$\checkmark$		✓		$\checkmark$	$\checkmark$				
2019-10-15			✓		✓		$\checkmark$	$\checkmark$			$\checkmark$	
2019-11-20			✓		✓		$\checkmark$				$\checkmark$	
2019-12-19			✓				$\checkmark$					
2020-01-14			✓				$\checkmark$					
2020-02-07			✓				$\checkmark$					
2020-02-19			✓	$\checkmark$			$\checkmark$					
2020-02-25			$\checkmark$	$\checkmark$			$\checkmark$					
2020-03-15			$\checkmark$									
2020-09-29	~		~									
2020-10-22	1		1									

Table A2: 2020 Cycle Debates and Participants

Note: Table indicates the participants in each of the nationally televised debates in the 2020 cycle included in the dataset.

					De	mocrats	(cont.)					
Date	Harris	Hickenlooper	Inslee	Klobuchar	O'Rourke	Ryan	Sanders	Steyer	Swalwell	Warren	Williamson	Yang
2019-06-26			~	✓	✓	~				✓		
2019-06-27	~	$\checkmark$					1		$\checkmark$		$\checkmark$	~
2019-07-30		✓		✓	~	$\checkmark$	$\checkmark$			$\checkmark$	$\checkmark$	
2019-07-31	~		~									~
2019-09-12	~			$\checkmark$	$\checkmark$		1			1		~
2019-10-15	~			✓	~		$\checkmark$	1		$\checkmark$		~
2019-11-20	~			✓			$\checkmark$	1		✓		~
2019-12-19				✓			✓	✓		✓		~
2020-01-14				✓			$\checkmark$	✓		$\checkmark$		
2020-02-07				✓			$\checkmark$	~		$\checkmark$		$\checkmark$
2020-02-19				$\checkmark$			✓			✓		
2020-02-25				✓			$\checkmark$	~		✓		
2020-03-15							$\checkmark$					
2020-09-29												
2020-10-22												

Table A2 (cont.): 2020 Cycle Debates and Participants

Note: Table indicates the participants in each of the nationally televised debates in the 2020 cycle included in the dataset.

Candidate	Twitter Handle	2016 Cycle	2020 Cycle
Michael Bennet	@MichaelBennet		~
Joe Biden	@JoeBiden		✓
Mike Bloomberg	@MikeBloomberg		✓
Cory Booker	@CoryBooker		~
Steve Bullock	GovernorBullock		~
Jeb Bush	@JebBush	✓	
Pete Buttigieg	@PeteButtigieg		✓
Ben Carson	@RealBenCarson	✓	
Julián Castro	@JulianCastro		✓
Lincoln Chafee	@LincolnChafee	✓	
Chris Christie	@ChrisChristie	✓	
Hillary Clinton	@HillaryClinton	✓	
Ted Cruz	@TedCruz	✓	
Bill de Blasio	@BilldeBlasio		✓
John Delaney	@JohnDelaney		$\checkmark$
Carly Fiorina	@CarlyFiorina	✓	
Tulsi Gabbard	@TulsiGabbard		✓
Kirsten Gillibrand	@SenGillibrand		✓
Kamala Harris	@KamalaHarris		$\checkmark$
John Hickenlooper	@Hickenlooper		✓
Mike Huckabee	@GovMikeHuckabee	✓	
Jay Inslee	@JayInslee		$\checkmark$
John Kasich	@JohnKasich	✓	
Amy Klobuchar	@amyklobuchar		✓
Martin O'Malley	@MartinOMalley	$\checkmark$	
Beto O'Rourke	@BetoORourke		✓
Rand Paul	@RandPaul	✓	
Marco Rubio	@marcorubio	✓	
Tim Ryan	@TimRyan		✓
Bernie Sanders	@BernieSanders	✓	✓
Tom Steyer	@TomSteyer		$\checkmark$
Eric Swalwell	@ericswalwell		✓
Donald Trump	@realDonaldTrump	✓	~
Elizabeth Warren	@ewarren		$\checkmark$
Marianne Williamson	@marwilliamson		✓
Andrew Yang	@AndrewYang		$\checkmark$

Table A3: Twitter Data Source Handles by Presidential Candidate

Note: Table indicates source of Twitter data for each candidate.

			Debate Senter	nce Classifiers		
	Ang	ger	Anx	iety	Enthu	siasm
Metric	True Negative	True Positive	True Negative	True Positive	True Negative	True Positive
Precision	0.89	0.69	0.86	0.67	0.88	0.74
Recall	0.91	0.59	0.86	0.66	0.84	0.80
F1 Score	0.90	0.62	0.86	0.67	0.86	0.77
Overall Accuracy	3.0	34	0.8	80	0.8	32
			Twitter Messa	age Classifiers		
	Ang	ger	Anx	iety	Enthu	siasm
Metric	True Negative	True Positive	True Negative	True Positive	True Negative	True Positive
Precision	0.92	0.57	0.88	0.69	0.71	0.81
Recall	0.90	0.62	0.86	0.73	0.67	0.84
F1 Score	0.91	0.59	0.87	0.71	0.69	0.83
Overall Accuracy	0.8	36	0.8	82	0.3	78

Table A4: Performance Metrics for Trained RoBERTa Classifiers

Note: Table shows performance on out-of-sample tests of the trained classifiers compared against human coders.

		1able A5: h	A5: Replication of Models 1 to 5 with Day-OI and Day-After 1 weets Only	INTA 6 OJ I SIÐDO	Day-OI and Da	ay-Alter 1 weets	Outy		
		Model 1: Baseline			Model 2: Covariates	ĺ		Model 3: Candidate FE	
Dependent variable:	(1) Anger	(2) Anxiety	(3) Enthusiasm	(4) Anger	(5) Anxiety	(6) Enthusiasm	(7) Anger	(8) Anxiety	(9) Enthusiasm
Tweet	$-0.516^{***}$ (0.025)	$-0.084^{***}$ (0.022)	$0.809^{***}$ (0.024)	$-0.521^{***}$ (0.025)	$-0.097^{***}$ (0.022)	$0.810^{***}$ (0.024)	$-0.483^{***}$ (0.027)	$-0.103^{***}$ (0.023)	0.773*** (0.025)
Any Emotion	17.676 (51.069)	18.157 (51.208)	19.009 (50.722)	17.699 (50.937)	18.153 (51.178)	18.991 (50.503)	18.739 (83.066)	18.144 (50.616)	19.008 (49.961)
General Election				$0.386^{***}$ (0.034)	-0.021 (0.032)	$-0.515^{***}$ (0.032)	$0.818^{***}$ (0.114)	-0.080 (0.106)	$-0.519^{***}$ (0.106)
2020 Cycle				$0.106^{***}$ (0.022)	$0.110^{***}$ (0.020)	0.036 (0.021)	-0.159 (0.122)	0.174 (0.110)	-0.092 (0.114)
Woman				-0.045 (0.027)	0.002 (0.024)	$0.189^{***}$ (0.025)	$-0.377^{***}$ (0.107)	$-0.811^{***}$ (0.102)	$0.550^{***}$ (0.104)
Nonwhite				$0.102^{***}$ (0.028)	$0.117^{***}$ (0.025)	$-0.182^{***}$ (0.026)	$0.634^{***}$ (0.133)	$1.164^{***}$ (0.129)	$-0.857^{***}$ (0.131)
Constant	-18.512 (51.069)	-18.556 (51.208)	-18.684 (50.722)	-18.637 (50.937)	-18.619 (51.178)	-18.626 (50.503)	-19.402 (83.066)	-18.109 (50.616)	-19.013 (49.961)
Observations Log Likelihood Akaike Inf. Crit.	$\begin{array}{c} 58,537 \\ -24,588.920 \\ 49,183.840 \end{array}$	58,537 -28,392.230 56,790.450	$\begin{array}{c} 58,537 \\ -27,166.290 \\ 54,338.590 \end{array}$	$\begin{array}{c} 58,537 \\ -24,514.260 \\ 49,042.510 \end{array}$	58,537 -28,366.240 56,746.470	58,537 -26,992.430 53,998.870	$\begin{array}{c} 58,537 \\ -24,023.410 \\ 48,198.820 \end{array}$	58,537 -27,895.130 55,942.260	$\begin{array}{c} 58,537 \\ -26,549.030 \\ 53,250.070 \end{array}$
			ď*	*p<0.05; **p<0.01; ***p<0.001	l; ***p<0.001				

Table A5: Replication of Models 1 to 3 with Day-Of and Day-After Tweets Only

Note: Replication conducted with 43,739 debate sentences and 14,798 tweets posted on the day of debate or the day after. See Table 1 for comparison.

		Table A6: Rep	lication of Mode	els 4 to 6 with D	ay-Of and Day-	Table A6: Replication of Models 4 to 6 with Day-Of and Day-After Tweets Only	ly		
		Model 4: By Phase			Model 5: Democrats			Model 6: Republicans	
Dependent variable:	(1) Anger	(2) Anxiety	(3) Enthusiasm	(4) Anger	(5) Anxiety	(6) Enthusiasm	(7) Anger	(8) Anxiety	(9) Enthusiasm
Tweet	$-0.499^{***}$ (0.028)	-0.040 (0.024)	$0.729^{***}$ (0.026)	$-0.196^{***}$ (0.033)	$0.327^{***}$ (0.029)	$0.384^{***}$ (0.031)	$-0.973^{***}$ (0.046)	$-0.833^{***}$ (0.040)	$1.400^{***}$ (0.043)
Any Emotion	17.637 (55.686)	18.136 (55.625)	19.079 (55.285)	17.664 (70.751)	18.154 (70.974)	19.123 (70.588)	18.829 (117.918)	19.159 (118.167)	19.954 (115.386)
General Election	0.047 (137.292)	-0.321 (137.701)	0.215 (135.956)	$0.657^{***}$ (0.137)	-0.101 (0.128)	$-0.460^{***}$ (0.128)	0.037 (0.120)	0.022 (0.111)	-0.008 (0.111)
2020 Cycle	0.066 (0.107)	$0.288^{**}$ (0.094)	$-0.363^{***}$	-0.183 (0.124)	0.212 (0.113)	-0.088 (0.116)	$0.407^{**}$ (0.133)	0.052 (0.131)	-0.242 (0.129)
Woman	-0.049 (0.029)	$-0.065^{*}$ (0.026)	$0.144^{***}$ (0.028)	$-0.344^{**}$ (0.106)	$-0.765^{***}$ (0.102)	$0.501^{***}$ (0.103)	0.133 (0.192)	0.023 (0.169)	-0.268 (0.180)
Nonwhite	$0.113^{***}$ (0.030)	$0.198^{***}$ (0.027)	$-0.188^{***}$ (0.028)	$0.628^{***}$ (0.132)	$1.166^{***}$ (0.129)	$-0.840^{***}$ (0.130)	-0.106 (0.177)	0.085 (0.151)	-0.179 (0.165)
Tweet*General	0.081 (0.080)	$-0.413^{***}$ (0.076)	0.353*** (0.078)						
Any Emotion*General	0.442 (137.292)	0.059 (137.701)	-0.632 (135.956)						
Constant	-18.665 (55.686)	-18.537 (55.625)	-18.502 (55.285)	-18.324 (70.751)	-18.196 (70.974)	-19.094 (70.588)	-19.799 (117.918)	-19.279 (118.167)	-19.613 (115.386)
Observations Log Likelihood Akaike Inf. Crit.	$\begin{array}{c} 58,537 \\ -24,404.550 \\ 48,895.100 \end{array}$	58,537 -28,128.720 56,343.440	58,537 -26,826.760 53,739.510	$\begin{array}{c} 33,640 \\ -14,536.120 \\ 29,178.240 \end{array}$	33,640 -16,928.790 33,963.580	$\begin{array}{c} 33,640 \\ -15,960.420 \\ 32,026.840 \end{array}$	$\begin{array}{c} 24,897\\ -9,384.303\\ 18,826.610 \end{array}$	$\begin{array}{c} 24,897 \\ -10,669.970 \\ 21,397.930 \end{array}$	$\begin{array}{c} 24,897 \\ -10,388.340 \\ 20,834.670 \end{array}$
			)>d*	'p<0.05; **p<0.01; ***p<0.001	***p<0.001				
Note: Replication conducted with 43,739 debate sentences and 14,798 tweets posted on the day of debate or the day after. See Table 2 for comparison	ucted with 43,75	39 debate senter	nces and 14,798 t	weets posted on	the day of deb	ate or the day aft	er. See Table 2	for comparison	

		TRUDE VI	AT. INSPIRCTION OF MODER 1 to 9 WIGH JOHN-COULING TRAINED CLASSIFIED			TIGODIA MAINETT	010		
		Model 1: Baseline	ĺ		Model 2: Covariates	ĺ		Model 3: Candidate FE	ĺ
Dependent variable:	(1) Anger	(2) Anxiety	(3) Enthusiasm	(4) Anger	(5) Anxiety	(6) Enthusiasm	(7) Anger	(8) Anxiety	(9) Enthusiasm
Tweet	$-0.325^{***}$ (0.019)	$-0.044^{**}$ (0.017)	$1.183^{***}$ (0.017)	$-0.314^{***}$ (0.019)	$-0.059^{***}$ (0.017)	$1.168^{***}$ (0.017)	$-0.273^{***}$ (0.020)	$-0.045^{*}$ (0.018)	$1.141^{***}$ (0.018)
Any Emotion	$1.318^{***}$ (0.028)	$1.760^{***}$ (0.027)	$1.653^{***}$ (0.020)	$1.334^{***}$ (0.028)	$1.744^{***}$ (0.027)	$1.634^{***}$ (0.020)	$1.355^{***}$ (0.028)	$1.730^{***}$ (0.027)	$1.626^{***}$ (0.021)
General Election				$0.391^{***}$ (0.028)	$-0.090^{**}$ (0.028)	$-0.486^{***}$ (0.027)	(960.0)	-0.033 (0.090)	$-0.452^{***}$ (0.090)
2020 Cycle				$0.195^{***}$ (0.018)	$0.284^{***}$ (0.017)	$0.086^{***}$ (0.017)	-0.097 (0.106)	-0.045 (0.094)	-0.027 (0.095)
Woman				0.021 (0.022)	$0.128^{***}$ (0.020)	$0.296^{***}$ (0.021)	$-0.643^{***}$ (0.088)	$-0.896^{***}$ (0.082)	$0.516^{***}$ (0.084)
Nonwhite				$-0.079^{***}$ (0.024)	$-0.054^{*}$ (0.021)	$0.065^{**}$ (0.021)	$0.555^{***}$ (0.119)	$1.000^{***}$ (0.111)	-0.214 (0.116)
Constant	$-2.228^{***}$ (0.026)	-2.253*** $(0.025)$	$-1.577^{***}$ (0.019)	$-2.370^{***}$ (0.028)	-2.368*** (0.028)	$-1.615^{***}$ (0.022)	$-2.068^{***}$ (0.114)	$-1.597^{***}$ (0.104)	$-1.901^{***}$ (0.107)
Observations Log Likelihood Akaike Inf. Crit.	$\begin{array}{c} 73,711 \\ -37,060.390 \\ 74,126.790 \end{array}$	$\begin{array}{c} 73,711 \\ -42,298.650 \\ 84,603.290 \end{array}$	$\begin{array}{c} 73,711 \\ -43,370.640 \\ 86,747.290 \end{array}$	$\begin{array}{c} 73,711 \\ -36,889.970 \\ 73,793.950 \end{array}$	$\begin{array}{c} 73,711 \\ -42,106.530 \\ 84,227.060 \end{array}$	$\begin{array}{c} 73,711 \\ -43,067.390 \\ 86,148.780 \end{array}$	$\begin{array}{c} 73,711 \\ -36,261.980 \\ 72,675.950 \end{array}$	$\begin{array}{c} 73,711 \\ -41,444.110 \\ 83,040.230 \end{array}$	$\begin{array}{c} 73,711 \\ -42,552.510 \\ 85,257.020 \end{array}$
			₫*	*p<0.05; **p<0.01; ***p<0.001	l; ***p<0.001				

Table A7: Replication of Models 1 to 3 with Joint-Coding Trained Classifiers

39

Note: Replication conducted with values from RoBERTa classifiers trained on 2,000 messages coded by all three research assistants. See Table 1 for comparison.

		Table A8: I	Table A8: Replication of Models 4 to 6 with Joint-Code Trained Classifiers	odels 4 to 6 with	1 Joint-Code Tr	ained Classifiers			
		Model 4: By Phase			Model 5: Democrats	ĺ		Model 6: Republicans	
Dependent variable:	(1) Anger	(2) Anxiety	(3) Enthusiasm	(4) Anger	(5) Anxiety	(6) Enthusiasm	(7) Anger	(8) Anxiety	(9) Enthusiasm
Tweet	$-0.308^{***}$ (0.021)	-0.017 (0.018)	$1.107^{***}$ (0.018)	$0.070^{**}$ (0.025)	$0.383^{***}$ (0.023)	$0.884^{***}$ (0.024)	$-0.832^{***}$ (0.033)	$-0.760^{***}$ (0.030)	$1.472^{***}$ (0.028)
Any Emotion	$1.362^{***}$ (0.031)	$1.710^{***}$ (0.029)	$1.651^{***}$ (0.022)	$1.327^{***}$ (0.039)	$1.733^{***}$ (0.037)	$1.733^{***}$ (0.029)	$1.406^{***}$ (0.041)	$1.745^{***}$ (0.041)	$1.531^{***}$ (0.031)
General Election	$0.546^{***}$ (0.104)	$-0.310^{**}$ (0.107)	$-0.312^{**}$ (0.099)	$0.455^{***}$ (0.116)	-0.187 (0.110)	$-0.269^{*}$ (0.109)	-0.174 (0.101)	-0.062 (0.099)	$0.200^{*}$ (0.091)
2020 Cycle	0.166 (0.093)	0.125 (0.081)	$-0.274^{***}$ (0.080)	-0.113 (0.109)	(100.0)	0.015 (0.097)	$0.401^{***}$ (0.108)	$0.324^{**}$ (0.110)	$-0.426^{***}$ (0.105)
Woman	-0.012 (0.024)	0.036 (0.022)	$0.221^{***}$ (0.022)	$-0.597^{***}$ (0.088)	$-0.850^{***}$ (0.083)	$0.482^{***}$ (0.083)	$0.508^{**}$ (0.163)	0.128 (0.140)	-0.189 (0.134)
Nonwhite	$-0.086^{***}$ (0.025)	0.025 (0.023)	$0.083^{***}$ (0.022)	$0.552^{***}$ (0.119)	$1.007^{***}$ (0.112)	-0.212 (0.115)	0.135 (0.149)	0.170 (0.122)	-0.123 (0.119)
Tweet*General	0.068 (0.061)	$-0.352^{***}$ (0.061)	$0.358^{***}$ (0.059)						
Any Emotion*General	-0.133 (0.071)	$0.188^{*}$ (0.081)	$-0.246^{***}$ (0.066)						
Constant	$-2.504^{***}$ (0.070)	$-2.095^{***}$ (0.060)	$-1.495^{***}$ (0.057)	$-2.093^{***}$ (0.118)	$-1.714^{***}$ (0.109)	$-1.983^{***}$ (0.110)	$-2.513^{***}$ (0.154)	$-1.982^{***}$ (0.130)	$-1.512^{***}$ (0.123)
Observations Log Likelihood Akaike Inf. Crit.	$\begin{array}{c} 73,711 \\ -36,755.040 \\ 73,596.070 \end{array}$	$\begin{array}{c} 73,711 \\ -41,801.520 \\ 83,689.030 \end{array}$	$73,711 \\ -42,877.800 \\ 85,841.600$	$\begin{array}{c} 42,372 \\ -21,709.420 \\ 43,524.830 \end{array}$	$\begin{array}{c} 42,372 \\ -25,081.570 \\ 50,269.150 \end{array}$	$\begin{array}{c} 42,372 \\ -24,761.830 \\ 49,629.660 \end{array}$	$\begin{array}{c} 31,339 \\ -14,303.790 \\ 28,665.580 \end{array}$	$\begin{array}{c} 31,339 \\ -15,876.590 \\ 31,811.180 \end{array}$	$\begin{array}{c} 31,339\\ -17,638.490\\ 35,334.980\end{array}$
			⊳d*	*p<0.05; **p<0.01; ***p<0.001	***p<0.001				
Note: Replication conducted with values from RoBERTa classifiers trained on 2,000 messages coded by all three research assistants. See Table 2 for comparison	lucted with value	es from RoBERC	la classifiers trai	ined on 2,000 me	ssages coded by	/ all three resear	ch assistants. Se	e Table 2 for co	mparison.

		Table A9: R6	eplication of Mo	dels 1 to 3 wit	th Linear Pro	Replication of Models 1 to 3 with Linear Probability Model Estimation	Istimation		
		Model 1: Baseline			Model 2: Covariates			Model 3: Candidate FE	
Dependent variable:	(1) Anger	(2) Anxiety	(3) Enthusiasm	(4) Anger	(5) Anxiety	(6) Enthusiasm	(7) Anger	(8) Anxiety	(9) Enthusiasm
Tweet	$-0.078^{***}$ (0.003)	$-0.039^{***}$ (0.003)	$0.148^{***}$ (0.003)	-0.077*** $(0.003)$	$-0.041^{***}$ (0.003)	$0.146^{***}$ (0.003)	$-0.070^{***}$ (0.003)	$-0.040^{***}$ (0.003)	0.140*** (0.003)
Any Emotion	$0.276^{***}$ (0.003)	$0.388^{***}$ (0.004)	$0.630^{***}$ (0.004)	$0.277^{***}$ (0.003)	$0.385^{***}$ (0.004)	$0.626^{***}$ (0.004)	$0.278^{***}$ (0.003)	$0.379^{***}$ (0.004)	$0.624^{***}$ (0.004)
General Election				$0.049^{***}$ (0.004)	-0.008 (0.005)	$-0.072^{***}$ (0.005)	$0.101^{***}$ (0.015)	$-0.034^{*}$ (0.016)	$-0.063^{***}$ (0.016)
2020 Cycle				$0.024^{***}$ (0.003)	$0.046^{***}$ (0.003)	0.001 (0.003)	-0.009 (0.016)	0.024 (0.018)	-0.011 (0.017)
Woman				-0.001 (0.003)	$0.011^{**}$ (0.004)	$0.021^{***}$ (0.004)	$-0.094^{***}$ (0.014)	$-0.176^{***}$ (0.016)	$0.118^{***}$ (0.015)
Nonwhite				-0.004 (0.003)	-0.006 (0.004)	$-0.011^{**}$ (0.004)	$0.104^{***}$ (0.019)	$0.192^{***}$ (0.022)	$-0.146^{***}$ (0.021)
Constant	$0.018^{***}$ (0.003)	$0.009^{**}$ (0.003)	$-0.033^{***}$ $(0.003)$	0.002 (0.003)	$-0.008^{*}$ (0.004)	$-0.024^{***}$ (0.004)	$0.052^{**}$ (0.018)	$0.132^{***}$ (0.020)	$-0.111^{***}$ (0.019)
Observations R <sup>2</sup> Adjusted R <sup>2</sup>	73,711 0.089 0.089	73,711 0.134 0.134	73,711 0.353 0.353	73,711 0.091 0.091	$73,711 \\ 0.137 \\ 0.137 \\ 0.137$	73,711 0.356 0.356	73,711 0.107 0.106	73,711 0.153 0.152	73,711 0.365 0.364
			>d*	*p<0.05; **p<0.01; ***p<0.001	)1; ***p<0.00				

41

Note: Replication conducted via linear probability models instead of logistic regression. See Table 1 for comparison.

		Model 4: By Phase			Model 5: Democrats			Model 6: Republicans	
Dependent variable:	(1) Anger	(2) Anxiety	(3) Enthusiasm	(4) Anger	(5) Anxiety	(6) Enthusiasm	(7) Anger	(8) Anxiety	(9) Enthusiasm
Tweet	$-0.075^{***}$ (0.003)	-0.035*** $(0.003)$	$0.136^{***}$ (0.003)	$-0.036^{***}$ (0.004)	$0.047^{***}$ (0.005)	$0.082^{***}$ (0.004)	$-0.115^{***}$ (0.004)	$-0.157^{***}$ (0.005)	$0.216^{***}$ (0.005)
Any Emotion	$0.264^{***}$ (0.004)	$0.379^{***}$ (0.004)	$0.646^{***}$ (0.004)	$0.272^{***}$ (0.005)	$0.396^{***}$ (0.005)	$0.645^{***}$ (0.005)	$0.284^{***}$ (0.005)	$0.358^{***}$ (0.005)	$0.601^{***}$ (0.005)
General Election	0.003 (0.015)	$-0.075^{***}$ (0.017)	$0.051^{**}$ (0.016)	$0.081^{***}$ (0.019)	$-0.049^{*}$ (0.021)	$-0.053^{**}$ (0.020)	$-0.030^{*}$ (0.014)	0.009 (0.015)	0.027 (0.015)
2020 Cycle	0.010 (0.014)	$0.042^{**}$ (0.015)	$-0.041^{**}$ (0.015)	-0.012 (0.017)	0.037 (0.019)	-0.011 (0.018)	$0.078^{***}$ (0.016)	$0.034^{*}$ (0.017)	$-0.053^{**}$ (0.017)
Woman	-0.003 (0.004)	-0.006 (0.004)	$0.019^{***}$ (0.004)	$-0.090^{***}$ (0.015)	$-0.162^{***}$ (0.016)	$0.112^{***}$ (0.015)	0.012 (0.021)	-0.002 (0.022)	-0.039 (0.022)
Nonwhite	-0.006 (0.004)	$0.010^{*}$ (0.004)	$-0.012^{**}$ (0.004)	$0.103^{***}$ (0.020)	$0.189^{***}$ (0.023)	$-0.145^{***}$ (0.021)	-0.023 (0.018)	0.015 (0.019)	-0.020 (0.019)
Tweet*General	0.002 (0.010)	$-0.045^{***}$ (0.011)	$0.071^{***}$ (0.011)						
Any Emotion*General	$0.101^{***}$ (0.010)	0.020 (0.011)	$-0.161^{***}$ (0.010)						
Constant	-0.002 (0.010)	$0.039^{***}$ (0.011)	$-0.026^{*}$ (0.010)	$0.052^{**}$ (0.019)	$0.090^{***}$ (0.021)	$-0.116^{***}$ (0.020)	-0.0003 $(0.019)$	$0.067^{***}$ (0.020)	-0.014 (0.020)
Observations R <sup>2</sup>	73,711 0.096	73,711 0.144	73,711 0.360	42,372 0.090	42,372 0.146	42,372 0.328	31,339 0.134	31,339 0.175	31,339 0.419
Adjusted n-	060.0	0.144	000.0	600.0	C#1.0	176.0	+c1.0	0.1/4	0.410
			n>d.	.p <u.us; "p<u.u.j="" **p<u.u.j<="" td=""><td>TUU.USq</td><td></td><td></td><td></td><td></td></u.us;>	TUU.USq				