On-Line Supplemental Appendix for Kropf, Martha. Using Campaign Communications to Analyze Civility in Ranked Choice Voting Elections.

Table A-1: Comparisons of RCV and Plurality Matches

This table is borrowed directly from Donovan, Todd, Tolbert, Caroline, & Gracey, Kellen. (2016). Campaign civility under preferential and plurality voting. *Electoral Studies*, 42(2016): 157-163. https://doi.org/10.1016/j.electstud.2016.02.009. Table numbers are percent in each category. The difference is that the cities Spokane, WA and Madison, WI are added, as specified in the Kropf manuscript.

| | Minneapolis | Seattle | Boston | Tulsa | |
|---------------|-------------|------------|--------------|---------|---------|
| % Obama '08 | 80 | 85 | 80 | 52 | |
| % Dem Sen '10 | 79 | 82 | 73 | n/a | |
| White VAP | 68 | 69 | 52 | 63 | |
| Black VAP | 15 | 8 | 20 | 15 | |
| Hispanic VAP | 8 | 6 | 15 | 12 | |
| Asian VAP | 5 | 14 | 10 | 2 | |
| | St. Paul | Des Moines | Cedar Rapids | Madison | Spokane |
| % Obama '08 | 75 | 67 | 64 | 80 | 56 |
| % Dem Sen '10 | 74 | n/a | n/a | 79 | 52 |
| White VAP | 65 | 76 | 89 | 85 | 88 |
| Black VAP | 13 | 9 | 4 | 6 | 2 |
| Hispanic VAP | 8 | 9 | 3 | 4 | 4 |
| Asian VAP | 12 | 4 | 2 | 3 | 2 |
| | Cambridge | Lowell | Worchester | | |
| % Obama '08 | 87 | 68 | 68 | | |
| % Dem Sen '10 | 86 | n/a | n/a | | |
| White VAP | 65 | 59 | 65 | | |
| Black VAP | 10 | 5 | 9 | | |
| Hispanic VAP | 7 | 14 | 17 | | |
| Asian VAP | 15 | 18 | 6 | | |

Table A-2: Minneapolis, MN Candidate Tweets During 2013 (Mayor's Race)¹

| Candidate | Tweets During 2013 | Tweets from August 1, 2013-November 30, 2013 |
|-------------------------------|--------------------|---|
| Betsy Hodges (winner) | 2,762 | 1,715 |
| Cam Winton | 1155 | 762 |
| Don Samuels | 497 | 289 |
| Mark Andrews | 1291 | 788 |
| Jackie Cherryhomes | 1052 | 663 |
| Stephanie Woodruff | 1095 | 688 |
| Christopher Robin Zimmer | 2480 | 1109 |
| Jeffrey Alan Wagner | 5 | 5 |
| Troy Benjegerdes | 3 | 3 |
| Doug Mann | 9 | 5 |
| Bill Kahn | 9 | 7 |
| Gregg A. Iverson ² | 1 | 1 |

Table A-3: Boston Candidate Tweets During 2013 Mayor's Race³

| Candidate | Tweets During 2013 | Election Tweets |
|-----------------------------|--------------------|-----------------------------|
| | | General: July 1-November 30 |
| | | Primary: July 1-September |
| | | 30 |
| Marty Walsh (elected mayor) | 1,772 | 1,269 |
| John R. Connolly (advanced | | |
| to general election) | 1,673 | 956 |
| Felix G. Arroyo | 2,341 | 927 |
| John Barros | 702 | 403 |
| Charles Clemons | 2,021 | 1,061 |
| Daniel F. Conley | 584 | 275 |
| Charlotte Golar Richie | 971 | 654 |
| Bill Walczak | 531 | 372 |
| Charles Yancey | 258 | 60 |

¹ In searching for Twitter accounts, the following candidates did not appear to have an account during the time period of the election: Mark V. Anderson, Merrill Anderson, Neal Baxter, Alicia K. Bennett (wrote two tweets during time period), Bob "Again" Carney, Jr., Christopher Clark, Dan Cohen, James Everett, Bob Fine, Cyd Gorman, Mike Gould, Kurtis W. Hanna, John Leslie Hartwig, Jaymie Kelly, Tony Lane, Abdul M. Rahaman, Joshua Rea, Ole Savior, Captain Jack Sparrow, James "Jimmy" L. Stroud, John Charles Wilson, Rahn V. Workcuff, and Christopher Robin Zimmerman.

² Iverson is excluded from the analysis below because he sent one tweet that was saying "hi" to another candidate, Jeffrey Alan Wagner (@PissedOffmpls).

³ In searching for Twitter feeds, the following Boston mayoral candidates did not appear to have a Twitter Account or did not tweet during the period of the election: Robert Consalvo, Michael P. Ross, and David James Wyatt.

Table A-4: Seattle Candidate Tweets During 2013 Mayor's Race⁴

| Candidate | Tweets During 2013 | Election Tweets |
|---------------------------|--------------------|---------------------------|
| | | General: June 1-November |
| | | 30 Primary: June 1-August |
| | | 30 |
| Ed Murray (elected mayor) | 338 | 284 |
| Michael McGinn (advanced | 1,366 | 586 |
| to general election) | | |
| Bruce Harrell | 62 | 27 |
| Charlie Staadecker | 24 | 8 |
| Peter Steinbrueck | 156 | 48 |

Table A-5: Tulsa Candidate Tweets During 2013 Mayor's Race⁵

| Candidate | Tweets During 2013 | Election Tweets |
|---------------------------|---------------------------|-------------------------|
| | | General: April 1, 2013- |
| | | November 30, 2013 |
| | | Primary: Eliminated |
| | | candidate did not have |
| | | Twitter Account |
| Dewey Bartlett (elected | @DeweyBartlett 253 | 179 |
| mayor) ⁶ | @MayorBartlett 46 | 30 |
| Kathy Taylor (advanced to | | 851 |
| general election) | 1085 | |

Table A-6: St. Paul, MN City Council 1st Ward Candidate Tweets During 2013⁷

| Candidate | Tweets During 2013 | Tweets from August 1, 2013-November 30, 2013 |
|------------------|--------------------|---|
| Dai Thao | 92 | 62 |
| Kazoua Kong-Thao | 17 | 3 |
| Noel Nix | 241 | 93 |

⁴ In searching for Twitter feeds, the following Boston mayoral candidates did not appear to have a Twitter Account or did not tweet during the period of the election: Robert Consalvo, Michael P. Ross, and David James Wyatt.

⁵ In searching for Twitter feeds, the following Tulsa mayoral candidate did not appear to have a Twitter Account or did not tweet during the period of the election: Bill Christiansen.

⁶ Dewey Bartlett appears to have a third Twitter handle (@MayorTulsa), but upon closer inspection, it was so negative, that I determined it was probably not the incumbent mayor.

⁷ In searching for Twitter accounts, the following St. Paul City Council 1st Ward candidates did not appear to have one: Johnny Howard, Debbie Montgomery, Mark Voerding, and Paul Holmgren.

Table A-7: Spokane, Washington City Council 2st Ward Candidate Tweets During 20138

| Candidate | Tweets During 2013 | Tweets from August 1, 2013-November 30, 2013 |
|------------|--------------------|---|
| John Ahern | 20 | 13 |

Table A-8: Madison, Wisconsin 1st District City Council Race Candidate Tweets During 2013⁹

| Candidate | Tweets During 2013 | Tweets from February 1, 2013-April 30, 2013 |
|-------------|--------------------|---|
| Lisa Subeck | 126 | 5^{10} |

Table A-9: Cambridge, MA Candidate Tweets During 2013 (City Council)¹¹

| Candidate | Tweets During 2013 | Tweets from August 1, |
|-------------------------------|--------------------|------------------------|
| | | 2013-November 30, 2013 |
| Dennis Benzan ¹² | 312 | 241 |
| Dennis Carlone | 4 | 4 |
| Leland Cheung | 431 | 158 |
| Janneke House | 600 | 290 |
| Craig A. Kelley | 39 | 30 |
| Logan E. Leslie ¹³ | 2 | 0 |
| David P. Maher | 24 | 22 |
| Nadeem Mazen | 293 | 95 |
| Marc C. McGovern | 341 | 133 |
| Sam Seidel | 32 | 32 |

⁸ In searching for Twitter accounts, the other candidate from Madison, John Snyder, did not appear to have a Twitter account or tweet during the campaign period.

⁹ The other candidate Philip Alan Sigurslid did not appear to have a Twitter account or tweet during the campaign period.

10 The tweets were all written immediately after April 2 which was Election Day.

11 The tweets were all written immediately after April 2 which was Election Day.

¹¹ In search for Twitter accounts, the following Cambridge, MA candidates did not appear to have one: James Lee (there were so many James Lees in the list that the researcher acknowledges one could have been missed), Gary W. Mello, Mushtaque Mirza (actually had an account but had not tweeted), Gregg J. Moree, Ron Peden, Lesley Phillips, Kenneth E. Reeves, Jefferson Smith, Minka Y, vanBeuzekom, Kristen von Hoffmann (did not as of the time of the election), James M. Williamson, Elie Yarden (there was an "Elie Yarden" with an account but no tweets).

¹² Note that seven Tweets from Benzan (mostly re-tweets) were in Spanish—there is a Spanish dictionary included with the LIWC program. Rather than dividing the tweets into two parts (and having to keep them separate), I have chosen to translate the tweets into English. For example, the tweet: "Primer latino en Concejo Municipal" is translated to "First Latino on the City Council."

¹³ This candidate is excluded from the analysis below because he did not Tweet much and none during the bulk of the campaign period.

| E. Denise Simmons | 912 | 312 |
|----------------------------|-----|-----|
| Timothy J. Toomey, Jr. | 314 | 102 |
| Luis Vasquez ¹⁴ | 822 | 269 |

Table A-10: Worcester, MA City Council Candidate Tweets During 2013¹⁵

| Candidate | Tweets During 2013 | Tweets from August 1, 2013-November 30, 2013 |
|-----------------|--------------------|---|
| Mesfin Beshir | 1,471 | 563 |
| Joseph M. Petty | 42 | 25 |
| Kate Toomey | 362 | 102 |

Table A-11: Lowell, MA City Council Candidate Tweets During 2013¹⁶

| Candidate | Tweets During 2013 | Tweets from July 1, 2013- November 30, 2013 |
|--|--------------------|--|
| Stacie Hargis (advanced to general election) | 177 | 163 |
| Vesna Nuon (advanced to general election) | 66 | 38 |
| Rick D. Misitano (Did not advance) | 87 | 66 |
| Brandon Wynn Navom (did not advance) | 21 | 21 |
| Matthew J. Vieira (did not advance) | 56 | 27 |

¹⁴ One half English, half Spanish tweet is translated here: "Que Rico" is translated to "how delicious!"

¹⁵ Nine other candidates did not have Twitter accounts: Morris A. Bergman, Konstantina B. Lukes, Rick Rushton, Michael T. Gaffney, Michael J. Germain, Bill Coleman, Peter C. Kush, Carmen L. Carmona and William Feegbeh.
¹⁶ Several candidates in Worcester did not appear to tweet: Rita M. Mercier, Rodney M. Elliot, William F. Martin, Jr., Daniel P. Rourke, Edward J. Kennedy, Jr., James L. Milanazzo, William Samaras, John J. Leahy, Martin "Marty" Lorrey, Joseph M. Medonca, Corey A. Belanger, Erik R. Gitshier, Derek A. Mitchell, Vandoeun Pech, Genevieve K. Koyle, Frederick J. Doyle (F. Doyle had an account, but had not tweeted since 2009), and Darius L. Mitchell.

Table A-12: LIWC Analysis of Individual Candidate Tweets (Minneapolis)

| Affective | Positive | Negative | Anger | Anxiety | |
|----------------------|-----------|-----------|--------|------------------|-----------|
| Betsy Hodges | 4.84 | 0.77 | 0.30 | 0.12 | |
| Cam Winton | 5.03 | 0.89 | 0.29 | 0.07 | |
| Don Samuels | 4.39 | 0.66 | 0.17 | 0.16 | |
| Mark | 6.11 | 0.34 | 0.12 | 0.01 | |
| Andrews | | | | | |
| Jackie | 4.61 | 0.44 | 0.09 | 0.05 | |
| Cherryhomes | | | | | |
| Stephanie | 5.13 | 0.79 | 0.18 | 0.12 | |
| Woodruff | | | | | |
| Christopher | 3.26 | 1.56 | 0.55 | 0.15 | |
| Robin | | | | | |
| Zimmer | | | | | |
| Jeffrey Alan | 0.94 | 0.94 | 0.00 | 0.94 | |
| Wagner ¹⁷ | | | | | |
| Troy | 3.45 | 1.72 | 0.00 | 0.00 | |
| Benjegerdes | | | | | |
| Doug Mann | 0.85 | 0.00 | 0.00 | 0.00 | |
| Bill Kahn | 2.90 | 0.00 | 0.00 | 0.00 | |
| Cognitive | Tentative | Certainty | Social | Inclusive | Exclusive |
| Process | | | | | |
| Betsy Hodges | 1.09 | 1.03 | 7.89 | 3.00 | 1.10 |
| Cam Winton | 1.44 | 1.15 | 6.82 | 2.59 | 1.64 |
| Don Samuels | 0.76 | 1.25 | 6.95 | 2.08 | 0.96 |
| Mark | 0.63 | 0.88 | 7.86 | 3.07 | 0.46 |
| Andrews | | | | | |
| Jackie | 0.77 | 0.95 | 8.06 | 4.02 | 0.97 |
| Cherryhomes | | | | | |
| Stephanie | 0.89 | 1.09 | 7.62 | 2.98 | 1.42 |
| Woodruff | | | | | |
| Christopher | 2.01 | 1.30 | 6.82 | 1.88 | 2.12 |
| Robin | | | | | |
| Zimmer | | | | | |
| Jeffrey Alan | 1.89 | 0.94 | 7.55 | 1.89 | 0.94 |
| Wagner ¹⁸ | | | | | |

¹⁷ Those with a much smaller number of Tweets should be interpreted with great caution. This candidate and others are included in the aggregated tweets and here for purposes of disclosure in the on-line appendix.

¹⁸ Those with a much smaller number of Tweets should be interpreted with great caution. This candidate and others are included in the aggregated tweets and here for purposes of disclosure in the on-line appendix.

| Troy | 3.45 | 1.72 | 8.62 | 5.17 | 1.72 |
|-------------|------|------|-------|------|------|
| Benjegerdes | | | | | |
| Doug Mann | 0.00 | 0.00 | 5.08 | 0.85 | 0.00 |
| Bill Kahn | 2.17 | 0.72 | 10.87 | 2.90 | 2.90 |

Table A-13: LIWC Analysis of Individual Candidate Tweets (Boston)

| Affective | Positive | Negative | Anger | Anxiety | |
|--------------|-----------|-----------|--------|-----------|-----------|
| Marty Walsh | 6.13 | 0.32 | 0.14 | 0.04 | |
| (elected | | | | | |
| mayor) | | | | | |
| John R. | 5.87 | 0.39 | 0.09 | 0.07 | |
| Connolly | | | | | |
| (advanced to | | | | | |
| general | | | | | |
| election) | | | | | |
| Felix G. | 6.05 | 0.32 | 0.08 | 0.04 | |
| Arroyo | | | | | |
| John Barros | 5.18 | 0.28 | 0.15 | 0.03 | |
| Charles | 3.68 | 1.32 | 0.62 | 0.11 | |
| Clemons | | | | | |
| Daniel F. | 8.03 | 0.13 | 0.09 | 0.02 | |
| Conley | | | | | |
| Charlotte | 5.39 | 0.27 | 0.08 | 0.01 | |
| Golar Richie | | | | | |
| Bill Walczak | 4.62 | 0.25 | 0.05 | 0.04 | |
| Charles | 5.48 | 0.31 | 0.10 | 0.10 | |
| Yancey | | | | | |
| Cognitive | Tentative | Certainty | Social | Inclusive | Exclusive |
| Process | | | | | |
| Marty Walsh | 0.65 | 0.75 | 7.82 | 2.91 | 0.42 |
| (elected | | | | | |
| mayor) | | | | | |
| John R. | 0.77 | 0.78 | 7.96 | 2.98 | 0.84 |
| Connolly | | | | | |
| (advanced to | | | | | |
| general | | | | | |
| election) | | | | | |
| Felix G. | 0.74 | 0.61 | 8.78 | 1.86 | 0.57 |
| Arroyo | | | | | |
| John Barros | 0.59 | 0.56 | 8.48 | 3.21 | 0.42 |

| Charles | 1.00 | 0.84 | 6.66 | 1.86 | 2.24 |
|--------------|------|------|------|------|------|
| Clemons | | | | | |
| Daniel F. | 0.69 | 0.89 | 7.02 | 2.06 | 0.47 |
| Conley | | | | | |
| Charlotte | 0.46 | 0.67 | 7.19 | 2.46 | 0.43 |
| Golar Richie | | | | | |
| Bill Walczak | 0.70 | 0.69 | 6.30 | 2.70 | 0.44 |
| Charles | 0.83 | 1.24 | 8.58 | 2.07 | 0.83 |
| Yancey | | | | | |

Table A-14: LIWC Analysis of Individual Candidate Tweets (Seattle)

| Affective | Positive | Negative | Anger | Anxiety | |
|--------------|-----------|-----------|--------|-----------|-----------|
| Ed Murray | 4.99 | 0.40 | 0.19 | 0.04 | |
| (elected | | | | | |
| mayor) | | | | | |
| Michael | 3.47 | 0.79 | 0.31 | 0.09 | |
| McGinn | | | | | |
| (advanced to | | | | | |
| general | | | | | |
| election) | | | | | |
| Bruce | 3.66 | 0.20 | 0.00 | 0.20 | |
| Harrell | | | | | |
| Charlie | 5.26 | 0.0 | 0.00 | 0.00 | |
| Staadecker | | | | | |
| Peter | 3.36 | 1.00 | 0.50 | 0.00 | |
| Steinbrueck | | | | | |
| Cognitive | Tentative | Certainty | Social | Inclusive | Exclusive |
| Process | | | | | |
| Ed Murray | 0.57 | 0.76 | 8.54 | 3.13 | 0.91 |
| (elected | | | | | |
| mayor) | | | | | |
| Michael | 0.67 | 0.59 | 6.85 | 3.34 | 0.62 |
| McGinn | | | | | |
| (advanced to | | | | | |
| general | | | | | |
| election) | | | | | |
| Bruce | 0.0 | 0.41 | 7.52 | 1.83 | 0.20 |
| Harrell | | | | | |
| Charlie | 5.26 | 0.75 | 8.27 | 4.51 | 0.75 |
| Staadecker | | | | | |

| Peter | 0.62 | 0.37 | 3.99 | 2.12 | 0.12 |
|-------------|------|------|------|------|------|
| Steinbrueck | | | | | |

Table A-15: LIWC Analysis of Individual Candidate Tweets (Tulsa)

(Table cells are percentage of total text in the tweets)

| Affective | Positive | Negative | Anger | Anxiety | |
|----------------------|-----------|-----------|--------|-----------|-----------|
| Dewey | 5.03 | 0.53 | 0.16 | 0.10 | |
| Bartlett | | | | | |
| (elected | 3.76 | 1.41 | 0.47 | 0.31 | |
| mayor) ¹⁹ | | | | | |
| Kathy Taylor | 5.27 | 0.83 | 0.30 | 0.11 | |
| (advanced to | | | | | |
| general | | | | | |
| election) | | | | | |
| Cognitive | Tentative | Certainty | Social | Inclusive | Exclusive |
| Process | | | | | |
| Dewey | 0.67 | 0.61 | 8.50 | 2.90 | 0.69 |
| Bartlett | | | | | |
| (elected | 1.25 | 0.16 | 4.23 | 3.60 | 0.94 |
| mayor) | | | | | |
| Kathy Taylor | 1.28 | 0.96 | 8.45 | 2.78 | 1.12 |
| (advanced to | | | | | |
| general | | | | | |
| election) | | | | | |

Table A-16: LIWC Analysis of Individual Candidate Tweets (St. Paul)

| Affective | Positive | Negative | Anger | Anxiety | |
|-----------|-----------|-----------|--------|-----------|-----------|
| Dai Thao | 4.86 | 0.30 | 0.15 | 0.0 | |
| Kazoua | 8.77 | 0.00 | 0.00 | 0.00 | |
| Kong-Thao | | | | | |
| Noel Nix | 5.21 | 0.67 | 0.07 | 0.07 | |
| Cognitive | Tentative | Certainty | Social | Inclusive | Exclusive |
| Process | | | | | |
| Dai Thao | 1.67 | 0.38 | 10.56 | 6.16 | 1.22 |
| Kazoua | 0.00 | 1.75 | 15.79 | 7.02 | 0.00 |
| Kong-Thao | | | | | |

¹⁹ Note that there were two Dewey Bartlett accounts.

| Noel Nix 1.20 | 0.80 | 7.68 | 3.47 | 1.00 |
|---------------|------|------|------|------|
|---------------|------|------|------|------|

Table A-17: LIWC Analysis of Individual Candidate Tweets (Spokane, Ward 2)

(Table cells are percentage of total text in the tweets)

| Affective | Positive | Negative | Anger | Anxiety | |
|------------|-----------|-----------|--------|-----------|-----------|
| John Ahern | 4.38 | 0.00 | 0.00 | 0.00 | |
| Cognitive | Tentative | Certainty | Social | Inclusive | Exclusive |
| Process | | | | | |
| John Ahern | 1.09 | 0.73 | 7.69 | 1.28 | 0.00 |

Table A-18: LIWC Analysis of Individual Candidate Tweets (Madison, District 1)

(Table cells are percentage of total text in the tweets)

| Affective | Positive | Negative | Anger | Anxiety | |
|-------------|-----------|-----------|--------|-----------|-----------|
| Lisa Subeck | 3.85 | 0.00 | 0.00 | 0.00 | |
| | | | | | |
| Cognitive | Tentative | Certainty | Social | Inclusive | Exclusive |
| Process | | | | | |
| Lisa Subeck | 0.00 | 0.00 | 7.69 | 1.28 | 0.00 |

Table A-19: LIWC Analysis of Individual Candidate Tweets (Cambridge, At-Large City Council)

| Affective | Positive | Negative | Anger | Anxiety |
|-----------|----------|----------|-------|---------|
| Dennis | 5.38 | 0.24 | 0.04 | 0.04 |
| Benzan | | | | |
| Dennis | 5.06 | 0.00 | 0.00 | 0.00 |
| Carlone | | | | |
| Leland | 4.15 | 0.49 | 0.26 | 0.04 |
| Cheung | | | | |
| Janneke | 3.32 | 0.76 | 0.24 | 0.17 |
| House | | | | |
| Craig A. | 2.99 | 2.49 | 0.50 | 0.66 |
| Kelley | | | | |
| David P. | 7.48 | 0.00 | 0.00 | 0.00 |
| Maher | | | | |

| Nadeem Mazen 4.52 0.76 0.06 0.25 | |
|--|----|
| | |
| | |
| Marc C. 6.76 0.40 0.10 0.00 | |
| McGovern | |
| Sam Seidel 4.85 0.15 0.00 0.00 | |
| E. Denise 3.70 0.67 0.20 0.15 | |
| Simmons | |
| Timothy J. 3.92 0.48 0.26 0.11 | |
| Toomey, Jr. | |
| Luis Vasquez 5.11 0.39 0.13 0.16 | |
| Cognitive Tentative Certainty Social Inclusive Exclusive | ve |
| Process | |
| Dennis 0.74 0.65 8.91 2.70 0.54 | |
| Benzan | |
| Dennis 1.27 0.00 11.39 3.80 1.27 | |
| Carlone | |
| Leland 0.26 0.37 5.64 1.83 0.60 | |
| Cheung | |
| Janneke 0.70 0.74 5.30 2.52 0.65 | |
| House | |
| Craig A. 2.32 0.33 8.29 2.82 3.98 | |
| Kelley | |
| David P. 0.93 1.17 9.35 3.97 1.64 | |
| Maher | |
| Nadeem 1.59 0.64 8.54 2.68 1.53 | |
| Mazen | |
| Marc C. 0.81 1.21 7.77 3.33 0.86 | |
| McGovern | |
| Sam Seidel 2.06 0.44 6.62 2.5 1.18 | |
| E. Denise 1.21 0.79 6.76 2.06 0.78 | |
| Simmons | |
| Timothy J. 1.01 0.79 3.92 2.54 0.37 | |
| Toomey, Jr. | |
| Luis Vasquez 0.99 0.60 8.08 2.71 0.83 | |

Table A-20: LIWC Analysis of Individual Candidate Tweets (Worcester, MA, At-Large City Council)

| Affective | Positive | Negative | Anger | Anxiety | |
|---------------|-----------|-----------|--------|-----------|-----------|
| Stacie Hargis | 4.66 | 7.01 | 0.08 | 0.00 | |
| (advanced to | | | | | |
| general | | | | | |
| election) | | | | | |
| Vesna Nuon | 5.86 | 5.70 | 0.00 | 0.16 | |
| (advanced to | | | | | |
| general | | | | | |
| election) | | | | | |
| Rick D. | 4.6 | 2.49 | 0.00 | 0.08 | |
| Misitano | | | | | |
| (Did not | | | | | |
| advance) | | | | | |
| Brandon | 3.30 | 4.5 | 0.00 | 0.30 | |
| Wynn | | | | | |
| Navom (did | | | | | |
| not advance) | | | | | |
| Matthew J. | 5.10 | 2.81 | 0.51 | 0.00 | |
| Vieira (did | | | | | |
| not advance) | | | | | |
| Cognitive | Tentative | Certainty | Social | Inclusive | Exclusive |
| Process | | | | | |
| Stacie Hargis | 0.29 | 0.34 | 7.47 | 2.14 | 0.34 |
| (advanced to | | | | | |
| general | | | | | |
| election) | | | | | |
| Vesna Nuon | 1.63 | 0.49 | 5.86 | 2.61 | 0.65 |
| (advanced to | | | | | |
| general | | | | | |
| election) | 1.0.1 | 1.0.5 | | | 1.70 |
| Rick D. | 1.96 | 1.06 | 6.94 | 2.26 | 1.58 |
| Misitano | | | | | |
| (Did not | | | | | |
| advance) | 0.00 | 0.50 | | 2.20 | 1.20 |
| Brandon | 0.90 | 0.60 | 9.61 | 3.30 | 1.20 |
| Wynn | | | | | |
| Navom (did | | | | | |
| not advance) | 1.20 | 1.20 | 0.10 | 2.02 | 1.70 |
| Matthew J. | 1.28 | 1.28 | 9.18 | 3.83 | 1.79 |
| Vieira (did | | | | | |
| not advance) | | | | | |

| Affective | Positive | Negative | Anger | Anxiety | |
|--------------------|-----------|-----------|--------|-----------|-----------|
| Mesfin | 2.43 | 0.31 | 0.12 | 0.05 | |
| Beshir (not | | | | | |
| elected) | | | | | |
| Joseph Petty | 5.15 | 0.21 | 0.21 | 0.00 | |
| (elected) | | | | | |
| Kate Toomey | 5.61 | 0.56 | 0.14 | 0.00 | |
| (elected) | | | | | |
| Cognitive | Tentative | Certainty | Social | Inclusive | Exclusive |
| Process | | | | | |
| Mesfin | 0.50 | 0.96 | 5.66 | 2.35 | 0.75 |
| Beshir (not | | | | | |
| elected) | | | | | |
| Joseph Petty | 0.64 | 0.43 | 6.65 | 3.22 | 1.07 |
| (elected) | | | | | |
| Kate Toomey | 1.19 | 0.63 | 7.85 | 2.45 | 1.26 |
| (elected) | | | | | |

Table A-21 Election Tweet Comparison, by City Categories are percent of total words across all candidate tweets.

| Affective | Positive | Negative | Anger | Anxiety | |
|-------------|-----------|-----------|--------|-----------|-----------|
| RCV Cities | | | | | |
| Minneapolis | 4.75 | 0.80 | 0.26 | 0.10 | |
| St. Paul | 5.11 | 0.49 | 0.10 | 0.03 | |
| Cambridge | 4.67 | 0.50 | 0.17 | 0.10 | |
| Plurality | | | | | |
| Cities | | | | | |
| Boston | 5.76 | 0.41 | 0.16 | 0.05 | |
| Seattle | 3.97 | 0.65 | 0.27 | 0.07 | |
| Tulsa | 5.14 | 0.78 | 0.27 | 0.11 | |
| Spokane | 4.38 | 0.00 | 0.00 | 0.00 | |
| Madison | 3.85 | 0.00 | 0.00 | 0.00 | |
| Lowell | 4.57 | 5.64 | 0.04 | 0.10 | |
| Worcester | 3.06 | 0.34 | 0.13 | 0.04 | |
| | | | | | |
| Cognitive | Tentative | Certainty | Social | Inclusive | Exclusive |
| Process | | | | | |
| Minneapolis | 1.14 | 1.06 | 7.50 | 2.84 | 1.24 |
| St. Paul | 1.39 | 0.63 | 9.14 | 4.76 | 1.08 |
| Cambridge | 0.94 | 0.72 | 7.04 | 2.65 | 0.80 |

| Plurality | | | | | |
|-----------|------|------|------|------|------|
| Cities | | | | | |
| Boston | 0.71 | 0.72 | 7.64 | 2.53 | 0.72 |
| Seattle | 0.65 | 0.62 | 7.23 | 3.19 | 0.67 |
| Tulsa | 1.13 | 0.87 | 8.27 | 2.82 | 1.02 |
| Spokane | 1.09 | 0.73 | 9.49 | 4.01 | 0.73 |
| Madison | 0.00 | 0.00 | 7.69 | 1.28 | 0.00 |
| Lowell | 1.02 | 0.64 | 7.54 | 2.47 | 0.88 |
| Worcester | 0.57 | 0.86 | 5.99 | 2.39 | 0.78 |