# Online supplement

**Table 1**

*Results of 5-fold cross-validations of different combinations of vectorizers and classifiers*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Disadvantage framing | | | | Privilege framing | | | |
| Vectorizers | Classifiers | Precision | | Recall | | Precision | | Recall | |
|  |  | *M* | *SD* | *M* | *SD* | *M* | *SD* | *M* | *SD* |
| BOW | SVC | .71 | .04 | .68 | .04 | .36 | .06 | .25 | .02 |
|  | CNB | .67 | .05 | .74 | .04 | .40 | .07 | .13 | .02 |
| N-grams | SVC | .84 | .03 | .82 | .05 | .71 | .10 | .31 | .05 |
|  | CNB | .76 | .05 | .73 | .05 | .70 | .07 | .13 | .02 |
| TF-IDF | SVC | .81 | .04 | .80 | .05 | .85 | .11 | .17 | .06 |
|  | CNB | .84 | .06 | .56 | .06 | .78 | .13 | .06 | .01 |

*Notes.* BOW = bag of words. Ngrams = unigrams and bigrams. SVC = support vector classification. SVM = support vector machine. CNB = complement naïve Bayes. Majority = predicted value equals the most frequent value.

**Table 2**

*Topics of tweets in study 1*

|  |  |  |  |
| --- | --- | --- | --- |
| W:\Documents\dissertation\research\study 3 social media analysis\method\Python\scripts\english analysis\supplement scripts replication\data\wordclouds\10\wordcloud_race2.png | Bias against children | W:\Documents\dissertation\research\study 3 social media analysis\method\Python\scripts\english analysis\supplement scripts replication\data\wordclouds\10\wordcloud_race9.png | Voting queues |
| W:\Documents\dissertation\research\study 3 social media analysis\method\Python\scripts\english analysis\supplement scripts replication\data\wordclouds\10\wordcloud_race10.png | Education & access to money | W:\Documents\dissertation\research\study 3 social media analysis\method\Python\scripts\english analysis\supplement scripts replication\data\wordclouds\10\wordcloud_race8.png | Racism at work |
| W:\Documents\dissertation\research\study 3 social media analysis\method\Python\scripts\english analysis\supplement scripts replication\data\wordclouds\10\wordcloud_race1.png | Disease & mortality | W:\Documents\dissertation\research\study 3 social media analysis\method\Python\scripts\english analysis\supplement scripts replication\data\wordclouds\10\wordcloud_race5.png | Police brutality & legal persecution |
| W:\Documents\dissertation\research\study 3 social media analysis\method\Python\scripts\english analysis\supplement scripts replication\data\wordclouds\10\wordcloud_race3.png |  | W:\Documents\dissertation\research\study 3 social media analysis\method\Python\scripts\english analysis\supplement scripts replication\data\wordclouds\10\wordcloud_race6.png |  |
| W:\Documents\dissertation\research\study 3 social media analysis\method\Python\scripts\english analysis\supplement scripts replication\data\wordclouds\10\wordcloud_race7.png |  |  |  |
|  |  |  |  |
|  |  |  |  |

*Note.* The size of the words in the clouds represent their weight for the topic. Different shadings were chosen for better readability only.

**Table 3**

*Topics of tweets in study 2*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| wordcloud_race1 | | Education & access to money | | W:\Documents\dissertation\research\study 3 social media analysis\method\Python\scripts\english analysis\supplement scripts\data\wordclouds\wordcloud_race2.png | | Covid-19 relief & vaccines |
| W:\Documents\dissertation\research\study 3 social media analysis\method\Python\scripts\english analysis\supplement scripts\data\wordclouds\wordcloud_race3.png | | Legal persecution | | W:\Documents\dissertation\research\study 3 social media analysis\method\Python\scripts\english analysis\supplement scripts\data\wordclouds\wordcloud_race4.png | | Disease & mortality |
| W:\Documents\dissertation\research\study 3 social media analysis\method\Python\scripts\english analysis\supplement scripts\data\wordclouds\wordcloud_race5.png | | Bias against children | | W:\Documents\dissertation\research\study 3 social media analysis\method\Python\scripts\english analysis\supplement scripts\data\wordclouds\wordcloud_race6.png | | Police brutality & arrests |
| W:\Documents\dissertation\research\study 3 social media analysis\method\Python\scripts\english analysis\supplement scripts\data\wordclouds\wordcloud_race7.png | | Families & communities | |  | |  |
|  |  | |  | |  | |

*Note.* The size of the words in the clouds represent their weight for the topic. Different shadings were chosen for better readability only.