

## General Statistics of Introductory Preprocessing Steps

```
## #####
## #####
## ##### AT #####
## #####
## #####

## number of politicians in parliament: 183
## number of politicians with twitter account: 82 (44.81 %)
## number of verified twitter accounts: 8 (10.26 %)
## number of parties exceeding one percent in parliament: 5 (99.45 % of seats)
## number of corresponding twitter accounts in dataset : 78 (42.62 % of seats)
## most of the following statistics are based on twitter accounts and parties
## that exceed the one percent election threshold in parliament!
## parties that are not considered:
## [1] "OK"
##
##               Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## followers (incl. friends) 26  510.25 1778.00 5694.5897 4696.25 88795.00
## friends                   0   156.50  441.50  550.7436  814.25  2032.00
## percent friends           0    11.75   27.46   28.9500   42.05   84.58

## number of followers stratified by party: see below for plot
## table of parties:
##      ges twitter percent
## FPÖ    30      10   33.33
## GRÜNE  26      17   65.38
## NEOS   15      13   86.67
## ÖVP    71      18   25.35
## SPÖ    40      24   60.00

## number of unique tweets downloaded: 111324
## - filter to those that are considered: 111324 (100 %)
## - number of retweets: 32095 (28.83 %)
## - number of quotes: 7300 (6.56 %)
## - number of tweets per day: see below for plot
## number of retweets stratified by party:
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## FPÖ      0      0      1  57.65      5  95256
## GRÜNE    0      0      1 544.50      8 1575166
## NEOS     0      0      1  87.54     10 361694
## ÖVP      0      0      0  73.59      2 194763
## SPÖ      0      0      1  42.60      6 118615
```

```

## number of favorites stratified by party:
##      Min. 1st Qu. Median Mean 3rd Qu. Max.
## FPÖ      0      0      0  5.08      2 1995
## GRÜNE     0      0      1 11.78      5 5099
## NEOS      0      0      0 14.48      5 3139
## ÖVP       0      0      0  1.59      1  296
## SPÖ       0      0      3 28.34     14 2700

## the following statistics describes the non-filtered tweets!
## number of unique tweets with links: 26506 (23.81 %)
## number of links in tweets: 27091
## number of unique links in tweets (before expanding): 25263
## number of successful requests (status_code == 200): 23693 (93.79 %)
## number of successful expanded links (expanded URL != NA): 24851 (98.37 %)
## number of unique links in tweets (after expanding): 23982
## number of unique links in tweets (after expanding and replacement of NAs): 24393
## number of unique url_cores: 1291
## top ten of url_cores:
##
##      twitter    facebook derstandard      orf      ots    diepresse
##      8863      3382      1754      1406      1255      853
##      kurier     youtube      krone    instagram
##      741        586        469      454

## number of scraped unique URLs: 5377 (22.04 %)
## - successful: 3231 (60.09 %)
## table of scraped types of content:
##
##      ges successful percent
## article    3301      3231  97.88
## discussion    5        0   0.00
## event        475        0   0.00
## image        326        0   0.00
## organization  125        0   0.00
## other        541        0   0.00
## product       4        0   0.00
## profile       8        0   0.00
## video       136        0   0.00

## #####
## #####
## ##### CH #####
## #####
## #####

## number of politicians in parliament: 200
## number of politicians with twitter account: 147 (73.5 %)
## number of verified twitter accounts: 22 (15.28 %)

```

```

## number of parties exceeding one percent in parliament: 8 (96 % of seats)
## number of corresponding twitter accounts in dataset : 140 (70 % of seats)
## most of the following statistics are based on twitter accounts and parties
## that exceed the one percent election threshold in parliament!

## parties that are not considered:

## [1] "FDP.ALT"      "BastA"        "UDC"          "PDA"          "LDP"
## [6] "EDU"          "solidaritéS" "Lega"         "ALG"
##
##           Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
## followers (incl. friends) 43.00  907.50 1895.50 3911.3214 4285.50 52522.00
## friends                    4.00  197.50  388.00  649.8143  833.50  4667.00
## percent friends           0.51   12.95   22.71   23.4900   31.03   62.51

## number of followers stratified by party: see below for plot

## table of parties:

##      ges twitter percent
## BDP   3         3 100.00
## CVP  24        19  79.17
## EVP   3         2  66.67
## FDP  29        20  68.97
## GLP  16        14  87.50
## GPS  26        23  88.46
## SP   39        32  82.05
## SVP  52        30  57.69

## number of unique tweets downloaded: 175051

## - filter to those that are considered: 169507 (96.83 %)
## - number of retweets: 68436 (40.37 %)
## - number of quotes: 10457 (6.17 %)
## - number of tweets per day: see below for plot

## number of retweets stratified by party:

##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
## BDP     0         1         3 112.99         7   93235
## CVP     0         0         1  43.48         4  138492
## EVP     0         0         1   2.74         3    127
## FDP     0         0         1 118.17         4 1575003
## GLP     0         0         2 120.22         7  312592
## GPS     0         0         2 198.32         7 1575003
## SP      0         0         2 188.18         6  842128
## SVP     0         0         1  59.91         7  287237

## number of favorites stratified by party:

##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
## BDP     0         0         0   4.04         3   548
## CVP     0         0         0   4.42         3 1623
## EVP     0         0         0   2.79         3   65
## FDP     0         0         0   4.73         3  462
## GLP     0         0         0   3.79         2  480
## GPS     0         0         0   4.11         2  604
## SP      0         0         0   6.90         4 7409

```

```

## SVP      0      0      1 24.55      5 4857
## the following statistics describes the non-filtered tweets!
## number of unique tweets with links: 62616 (35.77 %)
## number of links in tweets: 64628
## number of unique links in tweets (before expanding): 58954
## number of successful requests (status_code == 200): 52284 (88.69 %)
## number of successful expanded links (expanded URL != NA): 57474 (97.49 %)
## number of unique links in tweets (after expanding): 55181
## number of unique links in tweets (after expanding and replacement of NAs): 56659
## number of unique url_cores: 3759
## top ten of url_cores:
##
##          twitter      facebook  tagesanzeiger      nzz      blick
##          12784      3659      3391      2903      2181
##          srf      lorenzoquadri aargauerzeitung      parlament      youtube
##          1620      1609      1600      1455      1312
## number of scraped unique URLs: 10408 (18.37 %)
## - successful: 6325 (60.77 %)
## table of scraped types of content:
##
##          ges successful percent
## article      7229      6325  87.49
## discussion      5      0  0.00
## event      377      0  0.00
## image      58      0  0.00
## organization  519      0  0.00
## other      971      0  0.00
## product      5      0  0.00
## profile      20      0  0.00
## video      232      0  0.00
## #####
## #####
## ##### DK #####
## #####
## #####
## number of politicians in parliament: 180
## number of politicians with twitter account: 165 (91.67 %)
## number of verified twitter accounts: 48 (42.86 %)
## number of parties exceeding one percent in parliament: 10 (97.22 % of seats)
## number of corresponding twitter accounts in dataset : 108 (60 % of seats)
## most of the following statistics are based on twitter accounts and parties
## that exceed the one percent election threshold in parliament!
## parties that are not considered:

```

```

## [1] "IA" "SIU" "SP" "JF" "ALT"
##               Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
## followers (incl. friends) 24.00 1926.50 3857.50 9924.8981 7993.00 188836.00
## friends                   5.00  279.50  529.00  749.7037  958.50  4575.00
## percent friends           0.09   5.29  13.39   17.8500   27.27   79.17

## number of followers stratified by party: see below for plot

## table of parties:

##      ges twitter percent
## DF   16      16 100.00
## EL   13      11  84.62
## KF   13      13 100.00
## LA    3       2  66.67
## NB    4       4 100.00
## RV   16      16 100.00
## S    49      42  85.71
## SF   14      13  92.86
## UFG   5       5 100.00
## V    42      39  92.86

## number of unique tweets downloaded: 178732

## - filter to those that are considered: 174188 (97.46 %)
## - number of retweets: 56150 (32.24 %)
## - number of quotes: 9934 (5.7 %)
## - number of tweets per day: see below for plot

## number of retweets stratified by party:

##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
## DF      0      0      2 123.90      6 222179
## EL      0      0      2  21.87      7  39206
## KF      0      0      1   4.54      4   3966
## LA      0      0      2  34.76      6  76389
## NB      0      0      0   0.58      0    13
## RV      0      0      1  51.62      5 353617
## S      0      0      2 152.53      6 1575004
## SF      0      0      2 127.36      8  351223
## UFG     0      0      2 275.27      7  824773
## V      0      0      2  84.24      8  372070

## number of favorites stratified by party:

##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
## DF      0      0      0   7.22      4   549
## EL      0      0      1  10.89      7   776
## KF      0      1      4  17.13     15   766
## LA      0      0      0  14.68      4  1124
## NB      0      0      0   2.37      2    86
## RV      0      0      1  15.53      8  1602
## S      0      0      0   6.10      3  2062
## SF      0      0      0  10.20      5  1337
## UFG     0      0      0  25.01      7  5209
## V      0      0      1  19.01      9 10861

```

```

## the following statistics describes the non-filtered tweets!
## number of unique tweets with links: 45889 (25.67 %)
## number of links in tweets: 46560
## number of unique links in tweets (before expanding): 41963
## number of successful requests (status_code == 200): 37543 (89.47 %)
## number of successful expanded links (expanded URL != NA): 40990 (97.68 %)
## number of unique links in tweets (after expanding): 39762
## number of unique links in tweets (after expanding and replacement of NAs): 40731
## number of unique url_cores: 1597
## top ten of url_cores:
##
##          twitter          facebook          dr          berlingske          politiken
##          11681          4717          3535          2479          2362
## jyllands-posten          tv2          altinget          bt          information
##          2063          1746          1398          856          811
## number of scraped unique URLs: 10987 (26.97 %)
## - successful: 8748 (79.62 %)
## table of scraped types of content:
##
##          ges successful percent
## article      8855          8748  98.79
## discussion    177           0   0.00
## event         386           0   0.00
## image         30           0   0.00
## organization  275           0   0.00
## other         389           0   0.00
## product       12           0   0.00
## profile       17           0   0.00
## video        105           0   0.00
## #####
## #####
## ##### ESP #####
## #####
## #####
## number of politicians in parliament: 349
## number of politicians with twitter account: 315 (90.26 %)
## number of verified twitter accounts: 202 (64.54 %)
## number of parties exceeding one percent in parliament: 13 (91.4 % of seats)
## number of corresponding twitter accounts in dataset : 284 (81.38 % of seats)
## most of the following statistics are based on twitter accounts and parties
## that exceed the one percent election threshold in parliament!
## parties that are not considered:

```

```
## [1] "PSE-EE-PSOE"      "IU"                "ECP"               "MÁS PAÍS-EQUO"
## [5] "EM-P-A-EU"         "CUP-PR"            "CDC"               "UPN"
## [9] "PSdG-PSOE"         "PRC"               "PP-FORO"           "NC"
## [13] "NA+"               "Independent"       "FORO"              "CCa-PNC"
## [17] "C-P-EUPV"          "BNG"               "AMAIUR"            "¡Teruel Existe!"
##
##               Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
## followers (incl. friends) 151.00 2495.50 5903.50 40389.697 12720.75 2591572.00
## friends                   3.00   502.50 1021.50  2040.951  2067.75   98388.00
## percent friends           0.12    7.79   22.02    24.140   37.44    76.18
```

## number of followers stratified by party: see below for plot

## table of parties:

```
##               ges twitter percent
## Cs                9         7   77.78
## EAJ-PNV            6         4   66.67
## ECP-GUAYEM EL CANVI 4         4  100.00
## EH Bildu           4         3   75.00
## ERC-CATSI          4         4  100.00
## ERC-S              9         9  100.00
## JxCat-JUNTS        5         5  100.00
## PP                 87        76   87.36
## PSC-PSOE           12        12  100.00
## PsdeG-PSOE         8         6   75.00
## PSOE              96        88   91.67
## UP                 23        21   91.30
## VOX                52        47   90.38
```

## number of unique tweets downloaded: 820658

## - filter to those that are considered: 739245 (90.08 %)

## - number of retweets: 497908 (67.33 %)

## - number of quotes: 35242 (4.77 %)

## - number of tweets per day: see below for plot

## number of retweets stratified by party:

```
##               Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
## Cs                0        10     46   386.78    208  687411
## EAJ-PNV            0         3      8   113.02     17   68435
## ECP-GUAYEM EL CANVI 0         9     26   575.29    106  147737
## EH Bildu           0        14     30   186.51     75   54780
## ERC-CATSI          0         8     29   530.12    156  120843
## ERC-S              0         6     21   550.39    107  415419
## JxCat-JUNTS        0         3     12   436.04     84  485568
## PP                 0         4     19   328.63    142  348599
## PSC-PSOE           0         6     25   284.68    118  405933
## PsdeG-PSOE         0         0      9   177.08     78   92608
## PSOE              0         4     20   284.56    129  1575168
## UP                 0        13     73   733.69    466  851131
## VOX                0        15    231  1113.72   1250  334992
```

## number of favorites stratified by party:

```
##               Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
## Cs                0         0      0    46.21      4   14894
```

```

## EAJ-PNV          0      0      0  0.57      0    324
## ECP-GUAYEM EL CANVI  0      0      0 38.40      7 16751
## EH Bildu          0      0      0 37.02      0 33190
## ERC-CATSI         0      0      0 213.25     0 83612
## ERC-S             0      0      0 21.12      0  8895
## JxCat-JUNTS       0      0      0 19.39      0 16383
## PP                0      0      0 43.76      2 59541
## PSC-PSOE          0      0      0 56.59      6 13462
## PsdeG-PSOE        0      0      0  2.11      1  1391
## PSOE             0      0      0 33.90      0 75035
## UP                0      0      0 322.99     21 159399
## VOX              0      0      0 162.69      4 54161

## the following statistics describes the non-filtered tweets!

## number of unique tweets with links: 137820 (16.79 %)
## number of links in tweets: 139330
## number of unique links in tweets (before expanding): 120039
## number of successful requests (status_code == 200): 113044 (94.17 %)
## number of successful expanded links (expanded URL != NA): 117116 (97.56 %)
## number of unique links in tweets (after expanding): 114020
## number of unique links in tweets (after expanding and replacement of NAs): 116941
## number of unique url_cores: 4477
## top ten of url_cores:

##
##      twitter      elpais      youtube      facebook      eldiario      abc
##      47539      6224      5012      5004      4185      3909
##      elmundo lavanguardia      okdiario europapress
##      3631      1810      1802      1786

## number of scraped unique URLs: 37739 (32.27 %)
## - successful: 30016 (79.54 %)
## table of scraped types of content:

##      ges successful percent
## article      32600      30016  92.07
## discussion      7      0  0.00
## event          236      0  0.00
## image          263      0  0.00
## organization    302      0  0.00
## other          1750      0  0.00
## product         7      0  0.00
## profile         28      0  0.00
## video          536      0  0.00

## #####
## #####
## ##### FR #####
## #####
## #####

```



```

## number of politicians in parliament: 577
## number of politicians with twitter account: 551 (95.49 %)
## number of verified twitter accounts: 441 (81.22 %)
## number of parties exceeding one percent in parliament: 10 (93.76 % of seats)
## number of corresponding twitter accounts in dataset : 511 (88.56 % of seats)
## most of the following statistics are based on twitter accounts and parties
## that exceed the one percent election threshold in parliament!
## parties that are not considered:

## [1] "MR"           "Cap21"         "DVD"           "LC"
## [5] "AC"           "Ensemble!"     "PaCs"          "DLF"
## [9] "Génération.s" "Independent"    "JSFee"         "LP"
## [13] "LS"          "MdP"           "MIM"           "MRC"
## [17] "PE"          "Picardie Debout" "PP"           "PPM"
## [21] "PSG"         "Résistons!"    "SE"            "Tavini"
## [25] "MDC"         "CSL"

##               Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
## followers (incl. friends) 157 3137.00 5271.00 19389.724 8789.0 2471949.00
## friends                   0  480.50  945.00  1266.325 1478.0   8487.00
## percent friends           0   9.66  17.39   19.460  26.7    70.04

## number of followers stratified by party: see below for plot

## table of parties:

##      ges twitter percent
## Agir    8         8 100.00
## DVG     9         8  88.89
## FI      12        12 100.00
## LR     107        99  92.52
## LREM   307       299  97.39
## MoDem   42        42 100.00
## PCF     9         6  66.67
## PS      27        26  96.30
## RN       6         6 100.00
## UDI     14        12  85.71

## number of unique tweets downloaded: 1148112
## - filter to those that are considered: 1082184 (94.26 %)
## - number of retweets: 522019 (48.24 %)
## - number of quotes: 68128 (6.3 %)
## - number of tweets per day: see below for plot
## number of retweets stratified by party:

##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
## Agir     0         3      8   67.62     18  38040
## DVG      0         0      3   45.76     14  42055
## FI       0        15     50  201.81    156  83565
## LR       0         2      7   98.95     29 119470
## LREM     0         2      8  225.35     42 1575222
## MoDem    0         2      6  150.24     21 1575201

```

```

## PCF      0      4      13 123.71      40 204509
## PS       0      2       7 170.74      24 1575202
## RN       0     25     111 355.32     357 222316
## UDI      0      2       6 198.48      22 1575213

## number of favorites stratified by party:

##      Min. 1st Qu. Median   Mean 3rd Qu.  Max.
## Agir    0      0      2  13.43     15 1121
## DVG     0      0      0   6.11      3 1905
## FI       0      0     22 144.46    104 58170
## LR       0      0      0  21.03      7 8108
## LREM     0      0      0  11.44      6 20187
## MoDem    0      0      0   4.15      3 4582
## PCF      0      0      3  42.22     24 9238
## PS       0      0      0  13.26      7 7265
## RN       0      0      1 234.48    143 12319
## UDI      0      0      0  11.10      4 3926

## the following statistics describes the non-filtered tweets!

## number of unique tweets with links: 244558 (21.3 %)
## number of links in tweets: 249437
## number of unique links in tweets (before expanding): 208292
## number of successful requests (status_code == 200): 185467 (89.04 %)
## number of successful expanded links (expanded URL != NA): 201037 (96.52 %)
## number of unique links in tweets (after expanding): 194532
## number of unique links in tweets (after expanding and replacement of NAs): 201779
## number of unique url_cores: 7773
## top ten of url_cores:

##
##      twitter      facebook      youtube      lemonde
##      81312      26840      8214      5824
## assemblee-nationale francetvinfo lefigaro leparisien
##      5127      4420      4151      3938
##      pscp      ouest-france
##      3391      2547

## number of scraped unique URLs: 48829 (24.2 %)
## - successful: 34770 (71.21 %)
## table of scraped types of content:

##      ges successful percent
## article 35430      34770 98.14
## discussion 58      0 0.00
## event 1245      0 0.00
## image 469      0 0.00
## job 1      0 0.00
## organization 1623      0 0.00
## other 3505      0 0.00
## product 16      0 0.00

```

```

## profile          73          0    0.00
## video           1818          0    0.00

## #####
## #####
## ##### GER #####
## #####
## #####

## number of politicians in parliament: 709
## number of politicians with twitter account: 530 (74.75 %)
## number of verified twitter accounts: 364 (70.27 %)
## number of parties exceeding one percent in parliament: 7 (99.15 % of seats)
## number of corresponding twitter accounts in dataset : 516 (72.78 % of seats)
## most of the following statistics are based on twitter accounts and parties
## that exceed the one percent election threshold in parliament!
## parties that are not considered:
## [1] "Parteilos"
##
##               Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
## followers (incl. friends) 148 1643.75 3601.00 14318.9380 7690.50 691587.00
## friends                   0  247.75  554.50   906.2558 1191.00  8397.00
## percent friends           0    7.56   17.12   19.1100  27.84   68.37

## number of followers stratified by party: see below for plot
## table of parties:
##      ges twitter percent
## AfD      89      78   87.64
## CDU     200     112   56.00
## CSU      46      26   56.52
## FDP      80      72   90.00
## GRÜNE    67      62   92.54
## LINKE    69      60   86.96
## SPD     152     118   77.63

## number of unique tweets downloaded: 908105
## - filter to those that are considered: 898517 (98.94 %)
## - number of retweets: 340382 (37.88 %)
## - number of quotes: 71654 (7.97 %)
## - number of tweets per day: see below for plot
## number of retweets stratified by party:
##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
## AfD      0        3      21 166.02      116 819422
## CDU      0        0        1 108.45        7 1569574
## CSU      0        0        1  82.58        7  692998
## FDP      0        0        1  62.11        7  370585
## GRÜNE    0        0        3 167.00       16 778130
## LINKE    0        1        6 149.95       24 1569537
## SPD      0        0        1 159.10       10 1569559

```

```

## number of favorites stratified by party:

##      Min. 1st Qu. Median  Mean 3rd Qu.  Max.
## AfD      0      0      0 70.48      20 7417
## CDU      0      0      0  9.68       2 12339
## CSU      0      0      0 16.39       5 8101
## FDP      0      0      0 20.40       5 15382
## GRÜNE    0      0      0 24.67       6 27314
## LINKE    0      0      0 27.33       9 36932
## SPD      0      0      0 33.28       4 47852

## the following statistics describes the non-filtered tweets!

## number of unique tweets with links: 293900 (32.36 %)
## number of links in tweets: 300028
## number of unique links in tweets (before expanding): 270943
## number of successful requests (status_code == 200): 237066 (87.5 %)
## number of successful expanded links (expanded URL != NA): 265424 (97.96 %)
## number of unique links in tweets (after expanding): 254693
## number of unique links in tweets (after expanding and replacement of NAs): 260202
## number of unique url_cores: 8826
## top ten of url_cores:

##
##      twitter      facebook      spiegel      youtube      welt      tagesschau
##      82527      39529      9733      8689      8377      4841
##      sueddeutsche      instagram      faz      bundestag
##      4757      4537      4313      4178

## number of scraped unique URLs: 66612 (25.6 %)
## - successful: 49388 (74.14 %)
## table of scraped types of content:

##      ges successful percent
## article      49789      49210      98.84
## discussion      32      0      0.00
## event      2969      0      0.00
## faq      1      0      0.00
## image      750      5      0.67
## job      1      0      0.00
## organization 1348      0      0.00
## other      5405      0      0.00
## product      15      0      0.00
## profile      351      0      0.00
## video      941      0      0.00

## #####
## #####
## ##### IT #####
## #####
## #####

```

```

## Warning in readRDS(file.path("data", i, "botdata.rds")): strings not
## representable in native encoding will be translated to UTF-8

## Warning in readRDS(file.path("data", i, "botdata.rds")): input string '{"og_vocabulary":[{"uri":"http
## The Ash Center invites you to a public discussion about empowering citizens through direct democracy
## </p>
##
## <p>
## <img height="90" width="177" alt="Yes Europe Lab" title="Yes Europe Lab" class="media-element file-
## number of politicians in parliament: 630
## number of politicians with twitter account: 492 (78.1 %)
## number of verified twitter accounts: 168 (44.92 %)
## number of parties exceeding one percent in parliament: 7 (94.6 % of seats)
## number of corresponding twitter accounts in dataset : 355 (56.35 % of seats)
## most of the following statistics are based on twitter accounts and parties
## that exceed the one percent election threshold in parliament!
## parties that are not considered:
## [1] "Cambiamo!" "Art. 1" "SV" "SI" "RI" "AN"
## [7] "CD" "PP" "PDR-SF" "PATT" "USEI" "PSI"
## [13] "Moderati" "PLI" "Eco" "ÉViva" "PdL" "MAIE"
## [19] "MA" "AR" "PlusEU" "GI" "PeC"
##
## Min. 1st Qu. Median Mean 3rd Qu. Max.
## followers (incl. friends) 30 803.00 2305.00 23305.4648 8484.00 993590.0
## friends 0 154.00 441.00 892.6873 902.00 12892.0
## percent friends 0 7.63 19.82 24.0500 36.71 86.6
## number of followers stratified by party: see below for plot
## table of parties:
## ges twitter percent
## FdI 33 25 75.76
## FI 95 79 83.16
## Indipendente 9 8 88.89
## IV 28 26 92.86
## LN 124 83 66.94
## M5S 216 170 78.70
## PD 91 77 84.62
## number of unique tweets downloaded: 650199
## - filter to those that are considered: 604096 (92.91 %)
## - number of retweets: 223695 (37.03 %)
## - number of quotes: 12517 (2.07 %)
## - number of tweets per day: see below for plot
## number of retweets stratified by party:
## Min. 1st Qu. Median Mean 3rd Qu. Max.
## FdI 0 0 3 76.10 31 112346
## FI 0 1 6 40.90 16 161024
## Indipendente 0 2 5 25.65 11 44586

```

```

## IV          0      2      8 215.67      53 1574954
## LN          0      0      2 169.59      16 181493
## M5S         0      1      6  87.87      32 949861
## PD          0      1      5 259.07      31 1574955

## number of favorites stratified by party:

##           Min. 1st Qu. Median   Mean 3rd Qu.  Max.
## FdI         0      0      0 127.27      2 13024
## FI          0      0      0   6.22      3  7110
## Indipendente 0      0      0   8.22      9   994
## IV          0      0      1  77.13      22 11120
## LN          0      0      0  21.12      4  4025
## M5S         0      0      1  28.18      6  9423
## PD          0      0      0  47.87      6 22586

## the following statistics describes the non-filtered tweets!

## number of unique tweets with links: 223291 (34.34 %)
## number of links in tweets: 226710
## number of unique links in tweets (before expanding): 210243
## number of successful requests (status_code == 200): 180910 (86.05 %)
## number of successful expanded links (expanded URL != NA): 202689 (96.41 %)
## number of unique links in tweets (after expanding): 194989
## number of unique links in tweets (after expanding and replacement of NAs): 202530
## number of unique url_cores: 6508
## top ten of url_cores:

##           facebook      twitter      youtube      beppegrillo
##           90634      17723      9045      7347
##           instagram ilblogdellestelle      repubblica      corriere
##           5389      4305      4182      2689
## ilfattoquotidiano      fb
##           2077      1796

## number of scraped unique URLs: 50227 (24.8 %)
## - successful: 22424 (44.65 %)

## table of scraped types of content:

##           ges successful percent
## article      23673      22424  94.72
## discussion    358      0    0.00
## event        3424      0    0.00
## faq           2      0    0.00
## image        2517      0    0.00
## organization  683      0    0.00
## other        5607      0    0.00
## product       12      0    0.00
## profile       72      0    0.00
## video        4929      0    0.00

```

```

## #####
## #####
## ##### NL #####
## #####
## #####

## number of politicians in parliament: 149
## number of politicians with twitter account: 143 (95.97 %)
## number of verified twitter accounts: 73 (52.14 %)
## number of parties exceeding one percent in parliament: 13 (98.66 % of seats)
## number of corresponding twitter accounts in dataset : 138 (92.62 % of seats)
## most of the following statistics are based on twitter accounts and parties
## that exceed the one percent election threshold in parliament!
## parties that are not considered:
## [1] "vKA"      "Van Haga"
##
##           Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## followers (incl. friends) 55 4294.50 7640.50 24014.90 14732.50 814312.00
## friends                   0  407.75  721.50  1056.00  1410.50   5402.00
## percent friends           0    4.37   11.63   14.35   20.62    49.47

## number of followers stratified by party: see below for plot
## table of parties:
##      ges twitter percent
## 50PLUS  4      4 100.00
## CDA     19     19 100.00
## CU       5      4  80.00
## D66     19     19 100.00
## DENK    3      3 100.00
## FvD     2      2 100.00
## GL      13     11  84.62
## PvdA    9      9 100.00
## PvdD    4      4 100.00
## PVV     20     18  90.00
## SGP      3      3 100.00
## SP      14     13  92.86
## VVD     32     32 100.00

## number of unique tweets downloaded: 375849
## - filter to those that are considered: 369495 (98.31 %)
## - number of retweets: 159194 (43.08 %)
## - number of quotes: 31311 (8.47 %)
## - number of tweets per day: see below for plot
## number of retweets stratified by party:
##           Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## 50PLUS      0      2      6 103.79     15 378511
## CDA          0      0      3  94.21     10 1574977
## CU           0      0      4  33.55     13  79513
## D66          0      0      3 117.54     12 350582

```

```
## DENK      0      2      6 247.79      18 284679
## FvD       0     69    165 358.79     327 65629
## GL        0      0      2 136.73      17 1574965
## PvdA      0      0      3  47.39      11 200297
## PvdD      0      1      8  72.97      35  81371
## PVV       0     38    154 444.87     341 218566
## SGP       0      1      5  45.35      15  23404
## SP        0      1      8 108.59      34 212063
## VVD       0      0      1  55.11       6 240877
```

## number of favorites stratified by party:

```
##      Min. 1st Qu. Median   Mean 3rd Qu.  Max.
## 50PLUS    0      0      1 15.00    11.0 3941
## CDA       0      0      0  7.57     2.0 10233
## CU        0      0      1 19.79    11.0 2834
## D66       0      0      0 11.26     4.0 10888
## DENK      0      0      0  8.43     0.0 2545
## FvD       0      0      0 217.21    24.5 6020
## GL        0      0      0 23.30     6.0 4658
## PvdA      0      0      0 15.51     5.0 6187
## PvdD      0      0      0 26.73    12.0 3635
## PVV       0      0      0 67.75     0.0 58317
## SGP       0      0      0 16.62     3.0 2552
## SP        0      0      0 18.79     7.0 3460
## VVD       0      0      0  4.38     1.0 6386
```

## the following statistics describes the non-filtered tweets!

## number of unique tweets with links: 108380 (28.84 %)

## number of links in tweets: 112089

## number of unique links in tweets (before expanding): 96880

## number of successful requests (status\_code == 200): 86927 (89.73 %)

## number of successful expanded links (expanded URL != NA): 94409 (97.45 %)

## number of unique links in tweets (after expanding): 91249

## number of unique links in tweets (after expanding and replacement of NAs): 93706

## number of unique url\_cores: 4973

## top ten of url\_cores:

```
##
##      twitter      nos      dpgmedia      telegraaf      youtube      volkskrant
##      39055      5511      4932      4413      2467      2405
##      nrc      nu tweedekamer      facebook
##      2211      2085      1945      1881
```

## number of scraped unique URLs: 28509 (30.42 %)

## - successful: 17736 (62.21 %)

## table of scraped types of content:

```
##      ges successful percent
## article      18634      17736  95.18
## discussion    41         0   0.00
```



```

## event          1316          0    0.00
## image           56           0    0.00
## organization  2275           0    0.00
## other          2516          0    0.00
## product         21           0    0.00
## profile         45           0    0.00
## video          318           0    0.00

## #####
## #####
## ##### UK #####
## #####
## #####

## number of politicians in parliament: 650
## number of politicians with twitter account: 598 (92 %)
## number of verified twitter accounts: 526 (89 %)
## number of parties exceeding one percent in parliament: 6 (98.62 % of seats)
## number of corresponding twitter accounts in dataset : 583 (89.69 % of seats)
## most of the following statistics are based on twitter accounts and parties
## that exceed the one percent election threshold in parliament!
## parties that are not considered:
## [1] "Labour Co-operative" "Plaid Cymru"          "Green"
## [4] "SDLP"                "Speaker"          "Alliance"
##
##           Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## followers (incl. friends) 233 8026.50 15950.00 46162.997 29065.50 2893448.00
## friends                   0  620.50  1242.00  2084.983  2640.00  23742.00
## percent friends           0   3.99   9.34   12.250   18.12   53.25

## number of followers stratified by party: see below for plot
## table of parties:
##
##           ges twitter percent
## Conservative    365    325   89.04
## DUP              8      6   75.00
## Labour          202    193   95.54
## Liberal Democrats 11     11  100.00
## Scottish National 48     47   97.92
## Sinn Féin        7      7  100.00

## number of unique tweets downloaded: 1567244
## - filter to those that are considered: 1541822 (98.38 %)
## - number of retweets: 739835 (47.98 %)
## - number of quotes: 153699 (9.97 %)
## - number of tweets per day: see below for plot
## number of retweets stratified by party:
##
##           Min. 1st Qu. Median    Mean 3rd Qu.    Max.
## Conservative    0      1      4  274.74    25 1575006
## DUP              0      1      3  95.22    12 231838

```

```

## Labour          0      2      8 515.82      62 1575002
## Liberal Democrats 0      1      8 331.42      52  643898
## Scottish National 0      2     13 458.04      99  687981
## Sinn Féin       0      4     11 233.81      30  396228

## number of favorites stratified by party:

##           Min. 1st Qu. Median   Mean 3rd Qu.   Max.
## Conservative    0      0      0  57.57      5 375689
## DUP              0      0      0  16.43      2  4773
## Labour           0      0      0 144.20     10 322026
## Liberal Democrats 0      0      1  73.73     19  25820
## Scottish National 0      0      0  46.46      6  40801
## Sinn Féin        0      0      0  27.04      7   5447

## the following statistics describes the non-filtered tweets!

## number of unique tweets with links: 370019 (23.61 %)
## number of links in tweets: 376641
## number of unique links in tweets (before expanding): 307363
## number of successful requests (status_code == 200): 281682 (91.64 %)
## number of successful expanded links (expanded URL != NA): 301055 (97.95 %)
## number of unique links in tweets (after expanding): 292947
## number of unique links in tweets (after expanding and replacement of NAs): 299228
## number of unique url_cores: 13160
## top ten of url_cores:

##
##      twitter theguardian      gov      bbc      facebook      youtube
##      181930      12468      10822      10514      7671      4670
##      telegraph      mirror      thetimes parliament
##      4463      3446      3419      3272

## number of scraped unique URLs: 70336 (23.51 %)
## - successful: 50751 (72.16 %)
## table of scraped types of content:

##           ges successful percent
## article      51424      50751  98.69
## discussion    39      0    0.00
## event       1846      0    0.00
## faq          2      0    0.00
## image       160      0    0.00
## job         182      0    0.00
## organization 1560      0    0.00
## other       6760      0    0.00
## product      66      0    0.00
## profile     119      0    0.00
## video       905      0    0.00

```



















