## 10-Copy1

## November 4, 2018

## 1 Assignment 10

Find your favorite news source and grab the article text.

- 1. Show the most common words in the article.
- 2. Show the most common words under a part of speech. (i.e. NOUN: {'Bob':12, 'Alice':4,})
- 3. Find a subject/object relationship through the dependency parser in any sentence.
- 4. Show the most common Entities and their types.
- 5. Find Entites and their dependency (hint: entity.root.head)
- 6. Find the most similar words in the article

```
In [1]: # !pip3 install spacy
In [2]: text = "In March 2017, a woman met with the admissions coordinator at Madison York Assis
        text
Out[2]: 'In March 2017, a woman met with the admissions coordinator at Madison York Assisted Liv
In [3]: # !python3 -m spacy download en
In [4]: import spacy
In [5]: processor = spacy.load('en')
        processed_text = processor(text)
In [6]: # Show the most common words in the article.
        from collections import Counter
        # all tokens that arent stop words or punctuations
        words = [token.text
                     for token in processed_text
                         if token.is_punct != True]
        word_freq = Counter(words)
        common_words = word_freq.most_common(10)
        common_words
```

```
Out[6]: [('the', 43),
         ('in', 32),
         ('and', 31),
         ('to', 30),
         ('a', 22),
         ('her', 18),
         ('for', 16),
         ('with', 13),
         ('living', 13),
         ('assisted', 12)]
In [7]: n = 0
        for sentence in processed_text.sents:
            for token in sentence:
                print(n, token, token.pos_ == "NOUN")
                n+=1
0 In False
1 March False
2 2017 False
3 , False
4 a False
5 woman True
6 met False
7 with False
8 the False
9 admissions True
10 coordinator True
11 at False
12 Madison False
13 York False
14 Assisted False
15 Living False
16 in False
17 Queens False
18 , False
19 inquiring False
20 about False
21 placement True
22 for False
23 her False
24 mother True
25 - False
26 in False
27 - False
28 law True
29 , False
30 who True
```

- 31 was False
- 32 using False
- 33 a False
- 34 wheelchair True
- 35 while False
- 36 recovering False
- 37 from False
- 38 hip True
- 39 surgery True
- 40 . False
- 41 False
- 42 Wheelchairs True
- 43 are False
- 44 not False
- 45 allowed False
- 46 in False
- 47 the False
- 48 facility True
- 49 , False
- 50 False
- 51 the False
- 52 coordinator True
- 53 told False
- 54 her False
- 55 . False
- 56 False
- 57 Walkers False
- 58 , False
- 59 canes True
- 60 , False
- 61 rollators True
- 62 , False
- 63 hemi True
- 64 canes True
- 65 , False
- 66 something True
- 67 like False
- 68 that False
- 69 is False
- 70 acceptable False
- 71 . False
- 72 False
- 73 But False
- 74 , False
- 75 he False
- 76 went False
- 77 on False
- 78 , False

- 79 False
- 80 we False
- 81 can False
- 82 not False
- 83 accommodate False
- 84 a False
- 85 wheelchair True
- 86 False
- 87 bound False
- 88 patient True
- 89 . False
- 90 False
- 91 In False
- 92 November False
- 93 , False
- 94 another False
- 95 woman True
- 96 seeking False
- 97 assisted False
- 98 living True
- 99 for False
- 100 her False
- 101 mother True
- 102 False
- 103 in False
- 104 False
- 105 law True
- 106 emailed False
- 107 the False
- 108 admissions True
- 109 coordinator True
- 110 at False
- 111 VillageCare False
- 112 at False
- 113 46 False
- 114 & False
- 115 Ten False
- 116 in False
- 117 Manhattan False
- 118 . False
- 119 False
- 120 We False
- 121 do False
- 122 not False
- 123 admit False
- 124 residents True
- 125 on False
- 126 wheelchairs True

- 127 , False
- 128 False
- 129 the False
- 130 coordinator True
- 131 wrote False
- 132 back False
- 133 . False
- 134 By False
- 135 phone True
- 136 , False
- 137 the False
- 138 woman True
- 139 explained False
- 140 that False
- 141 her False
- 142 mother True
- 143 False
- 144 in False
- 145 False
- 146 law True
- 147 had False
- 148 used False
- 149 a False
- 150 chair True
- 151 for False
- 152 decades True
- 153 and False
- 154 could False
- 155 transfer False
- 156 in False
- 157 and False
- 158 out False
- 159 without False
- 160 assistance True
- 161 . False
- 162 The False
- 163 coordinator True
- 164 would False
- 165 nt False
- 166 budge False
- 167 . False
- 168 False
- 169 We False
- 170 could False
- 171 not False
- 172 accept False
- 173 anyone True
- 174 in False

- 175 a False
- 176 wheelchair True
- 177 , False
- 178 False
- 179 she False
- 180 said False
- 181 . False
- 182 Yet False
- 183 at False
- 184 both False
- 185 places True
- 186 , False
- 187 and False
- 188 at False
- 189 two False
- 190 other False
- 191 assisted False
- 192 living False
- 193 facilities True
- 194 in False
- 195 New False
- 196 York False
- 197 City False
- 198 , False
- 199 people True
- 200 who True
- 201 made False
- 202 similar False
- 203 inquiries True
- 204 False
- 205 but False
- 206 described False
- 207 their False
- 208 relatives True
- 209 as False
- 210 able False
- 211 to False
- 212 walk False
- 213 False
- 214 were False
- 215 encouraged False
- 216 to False
- 217 submit False
- 218 applications True
- 219 . False
- 220 None True
- 221 of False
- 222 these False

- 223 people True
- 224 actually False
- 225 had False
- 226 family True
- 227 members True
- 228 who True
- 229 needed False
- 230 assisted False
- 231 living True
- 232 . False
- 233 They False
- 234 were False
- 235 testers True
- 236 , False
- 237 professional False
- 238 actors True
- 239 working False
- 240 for False
- 241 the False
- 242 nonprofit False
- 243 Fair False
- 244 Housing False
- 245 Justice False
- 246 Center False
- 247 to False
- 248 investigate False
- 249 whether False
- 250 such False
- 251 facilities True
- 252 discriminate False
- 253 against False
- 254 wheelchair True
- 255 users True
- 256 . False
- 257 Excerpts True
- 258 from False
- 259 their False
- 260 recorded False
- 261 conversations True
- 262 are False
- 263 included False
- 264 in False
- 265 a False
- 266 federal False
- 267 lawsuit True
- 268 filed False
- 269 against False
- 270 those False

- 271 centers True
- 272 , False
- 273 claiming False
- 274 they False
- 275 discriminate False
- 276 against False
- 277 people True
- 278 in False
- 279 wheelchairs True
- 280 and False
- 281 are False
- 282 violating False
- 283 the False
- 284 Fair False
- 285 Housing False
- 286 Act False
- 287 , False
- 288 the False
- 289 Americans False
- 290 with False
- 291 Disabilities False
- 292 Act False
- 293 and False
- 294 other False
- 295 federal False
- 296 laws True
- 297 . False
- 298 False
- 299 People True
- 300 were False
- 301 being False
- 302 threatened False
- 303 with False
- 304 eviction True
- 305 , False
- 306 or False
- 307 actually False
- 308 evicted False
- 309 , False
- 310 for False
- 311 even False
- 312 part False
- 313 False
- 314 time True
- 315 use True
- 316 of False
- 317 a False
- 318 wheelchair True

- 319 , False
- 320 False
- 321 said False
- 322 Fred False
- 323 Freiberg False
- 324 , False
- 325 director True
- 326 of False
- 327 the False
- 328 anti False
- 329 False
- 330 discrimination True
- 331 group True
- 332 , False
- 333 which False
- 334 brought False
- 335 the False
- 336 suit True
- 337 after False
- 338 receiving False
- 339 complaints True
- 340 from False
- 341 residents True
- 342 and False
- 343 families True
- 344 . False
- 345 False
- 346 It False
- 347 s False
- 348 outrageous False
- 349 . False
- 350 They False
- 351 were False
- 352 told False
- 353 , False
- 354 False
- 355 If False
- 356 you False
- 357 re False
- 358 going False
- 359 to False
- 360 use False
- 361 a False
- 362 wheelchair True
- 363 , False
- 364 you False
- 365 ca False
- 366 nt False

- 367 live False
- 368 here False
- 369 anymore. True
- 370 False
- 371 Related False
- 372 cases True
- 373 have False
- 374 popped False
- 375 up False
- 376 for False
- 377 years True
- 378 in False
- 379 senior False
- 380 housing True
- 381 nationwide False
- 382 , False
- 383 including False
- 384 continuing False
- 385 care True
- 386 retirement True
- 387 communities True
- 388 . False
- 389 In False
- 390 2015 False
- 391 , False
- 392 for False
- 393 instance True
- 394 , False
- 395 the False
- 396 Justice False
- 397 Department False
- 398 reached False
- 399 settlements True
- 400 with False
- 401 a False
- 402 continuing False
- 403 care True
- 404 facility True
- 405 in False
- 406 Norfolk False
- 407 , False
- 408 Va. False
- 409 , False
- 410 and False
- 411 one False
- 412 in False
- 413 Lincolnshire False
- 414 , False

- 415 Ill. False
- 416 , False
- 417 for False
- 418 discriminating False
- 419 against False
- 420 residents True
- 421 with False
- 422 disabilities True
- 423 . False
- 424 Unlike False
- 425 nursing True
- 426 homes True
- 427 , False
- 428 which False
- 429 are False
- 430 subject False
- 431 to False
- 432 federal False
- 433 regulations True
- 434 and False
- 435 regular False
- 436 inspections True
- 437 , False
- 438 assisted False
- 439 and False
- 440 independent False
- 441 living True
- 442 facilities True
- 443 operate False
- 444 under False
- 445 widely False
- 446 varying False
- 447 state True
- 448 laws True
- 449 . False
- 450 Oklahoma False
- 451 and False
- 452 Alabama False
- 453 require False
- 454 residents True
- 455 to False
- 456 be False
- 457 False
- 458 ambulatory False
- 459 , False
- 460 False
- 461 for False
- 462 instance True

- 463 , False
- 464 but False
- 465 Kentucky False
- 466 allows False
- 467 admission True
- 468 of False
- 469 the False
- 470 False
- 471 mobile False
- 472 nonambulatory True
- 473 , False
- 474 False
- 475 meaning False
- 476 people True
- 477 who True
- 478 use False
- 479 walkers True
- 480 or False
- 481 wheelchairs True
- 482 . False
- 483 False
- 484 Many False
- 485 states True
- 486 have False
- 487 similar False
- 488 policies True
- 489 , False
- 490 though False
- 491 with False
- 492 different False
- 493 language True
- 494 , False
- 495 like False
- 496 False
- 497 must False
- 498 be False
- 499 able False
- 500 to False
- 501 self True
- 502 False
- 503 evacuate, False
- 504 which False
- 505 is False
- 506 often False
- 507 interpreted False
- 508 to False
- 509 mean False
- 510 False

- 511 no False
- 512 wheelchairs, True
- 513 False
- 514 said False
- 515 Susan False
- 516 Silverstein False
- 517 , False
- 518 a False
- 519 senior False
- 520 lawyer True
- 521 for False
- 522 the False
- 523 AARP False
- 524 Foundation False
- 525 , False
- 526 which False
- 527 is False
- 528 representing False
- 529 the False
- 530 plaintiffs True
- 531 . False
- 532 False
- 533 Facilities True
- 534 often False
- 535 justify False
- 536 their False
- 537 policies True
- 538 by False
- 539 citing False
- 540 state True
- 541 laws True
- 542 that False
- 543 are False
- 544 ambiguous False
- 545 . False
- 546 False
- 547 Administrators True
- 548 of False
- 549 the False
- 550 facilities True
- 551 named False
- 552 in False
- 553 the False
- 554 New False
- 555 York False
- 556 lawsuit True
- 557 , False
- 558 including False

- 559 Elm False
- 560 York False
- 561 Assisted False
- 562 Living False
- 563 and False
- 564 Madison False
- 565 York False
- 566 Assisted False
- 567 Living False
- 568 , False
- 569 ( False
- 570 which False
- 571 share False
- 572 ownership True
- 573 with False
- 574 the False
- 575 other False
- 576 residence True
- 577 in False
- 578 Queens False
- 579 ) False
- 580 , False
- 581 often False
- 582 cited False
- 583 state True
- 584 laws True
- 585 as False
- 586 reasons True
- 587 to False
- 588 exclude False
- 589 wheelchair True
- 590 users True
- 591 , False
- 592 according False
- 593 to False
- 594 the False
- 595 complaint True
- 596 . False
- 597 And False
- 598 in False
- 599 this False
- 600 case True
- 601 , False
- 602 they False
- 603 appear False
- 604 to False
- 605 be False
- 606 correct False

- 607 . False
- 608 New False
- 609 York False
- 610 State False
- 611 regulations True
- 612 governing False
- 613 False
- 614 adult True
- 615 care True
- 616 facilities True
- 617 False
- 618 and False
- 619 Medicaid False
- 620 False
- 621 funded False
- 622 assisted False
- 623 living True
- 624 programs True
- 625 , False
- 626 which False
- 627 all False
- 628 four False
- 629 facilities True
- 630 are False
- 631 licensed False
- 632 to False
- 633 offer False
- 634 , False
- 635 do False
- 636 prohibit True
- 637 residents True
- 638 who True
- 639 are False
- 640 False
- 641 chronically False
- 642 chairfast False
- 643 and False
- 644 unable False
- 645 to False
- 646 transfer False
- 647 False
- 648 or False
- 649 require False
- 650 assistance True
- 651 to False
- 652 transfer False
- 653 False
- 654 even False

- 655 when False
- 656 , False
- 657 as False
- 658 in False
- 659 this False
- 660 case True
- 661 , False
- 662 the False
- 663 buildings True
- 664 have False
- 665 elevators True
- 666 . False
- 667 Those False
- 668 40-year False
- 669 False
- 670 old False
- 671 policies True
- 672 predate False
- 673 the False
- 674 federal False
- 675 laws True
- 676 barring False
- 677 discrimination True
- 678 based False
- 679 on False
- 680 disability True
- 681 , False
- 682 but False
- 683 the False
- 684 state True
- 685 has False
- 686 not False
- 687 revised False
- 688 them False
- 689 . False
- 690 For False
- 691 that False
- 692 reason True
- 693 , False
- 694 the False
- 695 lawsuit True
- 696 also False
- 697 names False
- 698 the False
- 699 state True
- 700 health True
- 701 department True
- 702 and False

- 703 commissioner True
- 704 , False
- 705 plus False
- 706 Gov. False
- 707 Andrew False
- 708 Cuomo False
- 709 , False
- 710 as False
- 711 defendants True
- 712 . False
- 713 Neither False
- 714 the False
- 715 governor True
- 716 s False
- 717 office True
- 718 nor False
- 719 the False
- 720 four False
- 721 assisted False
- 722 living True
- 723 facilities True
- 724 would False
- 725 comment False
- 726 . False
- 727 The False
- 728 state True
- 729 s False
- 730 health True
- 731 department True
- 732 said False
- 733 it False
- 734 considered False
- 735 False
- 736 reasonable False
- 737 wheelchair True
- 738 accessibility True
- 739 False
- 740 in False
- 741 adult True
- 742 homes True
- 743 a False
- 744 priority True
- 745 and False
- 746 that False
- 747 it False
- 748 began False
- 749 working False
- 750 with False

- 751 existing False
- 752 homes True
- 753 last False
- 754 year True
- 755 on False
- 756 False
- 757 remediation True
- 758 plans True
- 759 that False
- 760 include False
- 761 appropriate False
- 762 upgrades True
- 763 . False
- 764 False
- 765 Newly False
- 766 constructed False
- 767 adult True
- 768 homes True
- 769 , False
- 770 it False
- 771 noted False
- 772 , False
- 773 must False
- 774 comply False
- 775 with False
- 776 federal False
- 777 , False
- 778 state True
- 779 and False
- 780 local False
- 781 accessibility True
- 782 requirements True
- 783 . False
- 784 The False
- 785 suit True
- 786 asks False
- 787 that False
- 788 the False
- 789 four False
- 790 facilities True
- 791 adopt False
- 792 nondiscriminatory False
- 793 admission True
- 794 and False
- 795 retention True
- 796 policies True
- 797 , False
- 798 and False

- 799 that False
- 800 the False
- 801 state True
- 802 update False
- 803 its False
- 804 regulations True
- 805 to False
- 806 reflect False
- 807 federal False
- 808 law True
- 809 . False
- 810 It False
- 811 also False
- 812 seeks False
- 813 training True
- 814 and False
- 815 monitoring True
- 816 to False
- 817 ensure False
- 818 compliance True
- 819 . False
- 820 While False
- 821 administrators True
- 822 might False
- 823 still False
- 824 turn False
- 825 away False
- 826 applicants True
- 827 for False
- 828 individual False
- 829 reasons True
- 830 , False
- 831 they False
- 832 could False
- 833 nt False
- 834 maintain False
- 835 blanket True
- 836 rules True
- 837 against False
- 838 wheelchairs True
- 839 . False
- 840 False
- 841 There False
- 842 s False
- 843 going False
- 844 to False
- 845 be False
- 846 a False

- 847 much False
- 848 larger False
- 849 number True
- 850 of False
- 851 people True
- 852 in False
- 853 the False
- 854 next False
- 855 few False
- 856 years True
- 857 who True
- 858 will False
- 859 need False
- 860 assisted False
- 861 living True
- 862 , False
- 863 and False
- 864 those False
- 865 facilities True
- 866 need False
- 867 to False
- 868 be False
- 869 open False
- 870 to False
- 871 people True
- 872 , False
- 873 False
- 874 Mr. False
- 875 Freiberg False
- 876 said False
- 877 . False
- 878 Although False
- 879 the False
- 880 assisted False
- 881 living True
- 882 industry True
- 883 mainly False
- 884 attracts False
- 885 people True
- 886 who True
- 887 are False
- 888 paying False
- 889 for False
- 890 the False
- 891 care True
- 892 themselves False
- 893 , False
- 894 False

- 895 the False
- 896 percentage True
- 897 covered False
- 898 by False
- 899 Medicaid False
- 900 is False
- 901 growing False
- 902 , False
- 903 False
- 904 said False
- 905 Eric False
- 906 Carlson False
- 907 , False
- 908 a False
- 909 lawyer True
- 910 at False
- 911 Justice False
- 912 in False
- 913 Aging False
- 914 , False
- 915 an False
- 916 advocacy True
- 917 group True
- 918 not False
- 919 involved False
- 920 in False
- 921 the False
- 922 lawsuit True
- 923 . False
- 924 A False
- 925 recent False
- 926 Government False
- 927 Accountability False
- 928 Office False
- 929 report True
- 930 pointed False
- 931 out False
- 932 that False
- 933 in False
- 934 2014 False
- 935 , False
- 936 Medicaid False
- 937 covered False
- 938 assisted False
- 939 False
- 940 living True
- 941 services True
- 942 for False

- 943 more False
- 944 than False
- 945 330,000 False
- 946 people True
- 947 in False
- 948 48 False
- 949 states True
- 950 False
- 951 part True
- 952 of False
- 953 the False
- 954 effort True
- 955 to False
- 956 support False
- 957 alternatives True
- 958 to False
- 959 expensive False
- 960 nursing True
- 961 homes True
- 962 . False
- 963 A False
- 964 favorable False
- 965 settlement True
- 966 or False
- 967 trial True
- 968 verdict True
- 969 in False
- 970 the False
- 971 New False
- 972 York False
- 973 lawsuit True
- 974 could False
- 975 bring False
- 976 changes True
- 977 in False
- 978 assisted False
- 979 living True
- 980 beyond False
- 981 Medicaid False
- 982 programs True
- 983 and False
- 984 beyond False
- 985 New False
- 986 York False
- 987 State False
- 988 . False
- 989 False
- 990 Private False

- 991 False
- 992 pay True
- 993 assisted False
- 994 living True
- 995 is False
- 996 still False
- 997 subject False
- 998 to False
- 999 the False
- 1000 Fair False
- 1001 Housing False
- 1002 Act False
- 1003 , False
- 1004 False
- 1005 said False
- 1006 Jota False
- 1007 Borgmann False
- 1008 , False
- 1009 senior False
- 1010 staff True
- 1011 lawyer True
- 1012 at False
- 1013 Mobilization False
- 1014 for False
- 1015 Justice False
- 1016 , False
- 1017 a False
- 1018 legal False
- 1019 services True
- 1020 organization True
- 1021 and False
- 1022 co True
- 1023 False
- 1024 counsel True
- 1025 in False
- 1026 the False
- 1027 case True
- 1028 . False
- 1029 Similar False
- 1030 court True
- 1031 cases True
- 1032 have False
- 1033 already False
- 1034 changed False
- 1035 assisted False
- 1036 living True
- 1037 regulations True
- 1038 and False

- 1039 practices True
- 1040 around False
- 1041 the False
- 1042 country True
- 1043 , False
- 1044 Mr. False
- 1045 Carlson False
- 1046 pointed False
- 1047 out False
- 1048 . False
- 1049 False
- 1050 It False
- 1051 s False
- 1052 not False
- 1053 like False
- 1054 flipping False
- 1055 a False
- 1056 switch True
- 1057 , False
- 1058 False
- 1059 he False
- 1060 said False
- 1061 . False
- 1062 False
- 1063 It False
- 1064 s False
- 1065 step True
- 1066 by False
- 1067 step True
- 1068 , False
- 1069 but False
- 1070 they False
- 1071 have False
- 1072 impact True
- 1073 . False
- 1074 False
- 1075 While False
- 1076 the False
- 1077 relatives True
- 1078 that False
- 1079 testers True
- 1080 described False
- 1081 to False
- 1082 administrators True
- 1083 were False
- 1084 fictitious False
- 1085 , False
- 1086 a False

- 1087 retired False
- 1088 lawyer True
- 1089 in False
- 1090 her False
- 1091 60s True
- 1092 , False
- 1093 known False
- 1094 in False
- 1095 court True
- 1096 filings True
- 1097 only False
- 1098 as False
- 1099 Jane False
- 1100 Doe False
- 1101 because False
- 1102 she False
- 1103 feared False
- 1104 she False
- 1105 might False
- 1106 be False
- 1107 blackballed False
- 1108 from False
- 1109 care True
- 1110 facilities True
- 1111 , False
- 1112 is False
- 1113 quite False
- 1114 real False
- 1115 . False
- 1116 She False
- 1117 s False
- 1118 also False
- 1119 a False
- 1120 plaintiff True
- 1121 in False
- 1122 the False
- 1123 lawsuit True
- 1124 , False
- 1125 along False
- 1126 with False
- 1127 her False
- 1128 brother True
- 1129 , False
- 1130 who True
- 1131 acts False
- 1132 as False
- 1133 her False
- 1134 power True

- 1135 of False
- 1136 attorney True
- 1137 . False
- 1138 Disabled False
- 1139 by False
- 1140 severe False
- 1141 osteoporosis True
- 1142 , False
- 1143 the False
- 1144 plaintiff True
- 1145 lived False
- 1146 at False
- 1147 VillageCare False
- 1148 for False
- 1149 five False
- 1150 years True
- 1151 , False
- 1152 until False
- 1153 last False
- 1154 spring True
- 1155 when False
- 1156 a False
- 1157 urinary False
- 1158 tract True
- 1159 infection True
- 1160 and False
- 1161 its False
- 1162 complications True
- 1163 sent False
- 1164 her False
- 1165 to False
- 1166 a False
- 1167 hospital True
- 1168 , False
- 1169 then False
- 1170 to False
- 1171 a False
- 1172 nursing True
- 1173 home True
- 1174 for False
- 1175 rehabilitation True
- 1176 . False
- 1177 After False
- 1178 two False
- 1179 months True
- 1180 , False
- 1181 according False
- 1182 to False

- 1183 the False
- 1184 complaint True
- 1185 , False
- 1186 VillageCare False
- 1187 told False
- 1188 her False
- 1189 she False
- 1190 needed False
- 1191 more False
- 1192 assistance True
- 1193 than False
- 1194 it False
- 1195 could False
- 1196 provide False
- 1197 , False
- 1198 including False
- 1199 help True
- 1200 with False
- 1201 False
- 1202 ambulation True
- 1203 , False
- 1204 False
- 1205 and False
- 1206 told False
- 1207 her False
- 1208 she False
- 1209 could False
- 1210 not False
- 1211 return False
- 1212 . False
- 1213 It False
- 1214 began False
- 1215 eviction True
- 1216 proceedings True
- 1217 , False
- 1218 which False
- 1219 her False
- 1220 brother True
- 1221 contested False
- 1222 . False
- 1223 In False
- 1224 December False
- 1225 , False
- 1226 the False
- 1227 facility True
- 1228 agreed False
- 1229 to False
- 1230 an False

- 1231 in False
- 1232 False
- 1233 person True
- 1234 interview True
- 1235 and False
- 1236 assessment True
- 1237 . False
- 1238 The False
- 1239 session True
- 1240 False
- 1241 including False
- 1242 cognitive False
- 1243 tests True
- 1244 , False
- 1245 sitting False
- 1246 and False
- 1247 standing False
- 1248 , False
- 1249 and False
- 1250 taking False
- 1251 her False
- 1252 shoes True
- 1253 on False
- 1254 and False
- 1255 off False
- 1256 False
- 1257 lasted False
- 1258 four False
- 1259 hours True
- 1260 . False
- 1261 False
- 1262 It False
- 1263 was False
- 1264 grueling False
- 1265 , False
- 1266 False
- 1267 said False
- 1268 her False
- 1269 brother True
- 1270 , False
- 1271 who True
- 1272 traveled False
- 1273 from False
- 1274 his False
- 1275 Florida False
- 1276 home True
- 1277 to False
- 1278 accompany False

- 1279 her False
- 1280 . False
- 1281 False
- 1282 It False
- 1283 was False
- 1284 a False
- 1285 very False
- 1286 difficult False
- 1287 thing True
- 1288 , False
- 1289 but False
- 1290 my False
- 1291 sister True
- 1292 did False
- 1293 it False
- 1294 . False
- 1295 She False
- 1296 walked False
- 1297 with False
- 1298 her False
- 1299 walker True
- 1300 just False
- 1301 fine False
- 1302 . False
- 1303 False
- 1304 But False
- 1305 VillageCare False
- 1306 refused False
- 1307 to False
- 1308 readmit False
- 1309 her False
- 1310 , False
- 1311 saying False
- 1312 she False
- 1313 needed False
- 1314 assistance True
- 1315 with False
- 1316 activities True
- 1317 of False
- 1318 daily False
- 1319 living True
- 1320 , False
- 1321 including False
- 1322 False
- 1323 locomotion True
- 1324 . False
- 1325 False
- 1326 So False

- 1327 she False
- 1328 remains False
- 1329 in False
- 1330 a False
- 1331 nursing True
- 1332 home True
- 1333 , False
- 1334 where False
- 1335 she False
- 1336 is False
- 1337 discouraged False
- 1338 from False
- 1339 walking False
- 1340 at False
- 1341 all False
- 1342 , False
- 1343 and False
- 1344 worries True
- 1345 that False
- 1346 she False
- 1347 may False
- 1348 never False
- 1349 go False
- 1350 home False
- 1351 . False
- 1352 False
- 1353 It False
- 1354 s False
- 1355 very False
- 1356 disheartening False
- 1357 , False
- 1358 False
- 1359 her False
- 1360 brother True
- 1361 said False
- 1362 . False
- 1363 False
- 1364 I False
- 1365 keep False
- 1366 telling False
- 1367 her False
- 1368 , False
- 1369 False
- 1370 You False
- 1371 re False
- 1372 going False
- 1373 to False
- 1374 be False

```
1375 out False
1376 any False
1377 day, True
1378 and False
1379 I False
1380 ve False
1381 been False
1382 wrong False
1383 . False
1384 False
In [8]: # Show the most common words under a part of speech. (i.e. NOUN: {'Bob':12, 'Alice':4,})
        nouns = [token.text
                    for token in processed_text
                        if token.is_stop != True
                        and token.is_punct != True
                        and token.pos_ == "NOUN"]
        noun_freq = Counter(nouns)
        common_nouns = noun_freq.most_common(10)
        common_nouns
Out[8]: [('living', 12),
         ('facilities', 10),
         ('wheelchair', 8),
         ('people', 8),
         ('state', 8),
         ('lawsuit', 6),
         ('coordinator', 5),
         ('residents', 5),
         ('laws', 5),
         ('care', 5)]
In [30]: # Find a subject/object relationship through the dependency parser in any sentence.
         def pr_tree(word, level):
             if word.is_punct:
                return
            for child in word.lefts:
                pr_tree(child, level+1)
             print('\t'* level + word.text + ' - ' + word.dep_)
             for child in word.rights:
                pr_tree(child, level+1)
         for sentence in processed_text.noun_chunks: # changed .sents to .noun_chunks to narrow
            pr_tree(sentence.root, 0)
             print('----')
March - pobj
        2017 - nummod
```

```
a - det
woman - nsubj
       the - det
       admissions - compound
coordinator - pobj
       at - prep
                            Madison - compound
                     York - compound
                     Assisted - compound
              Living - pobj
                     in - prep
                            Queens - pobj
Queens - pobj
_____
placement - pobj
       for - prep
                     her - poss
              mother - pobj
                     in - prep
                            law - pobj
                            who - nsubj
                            was - aux
                     using - relcl
                                    a - det
                            wheelchair - dobj
                                    while - mark
                            recovering - advcl
                                    from - prep
                                                  hip - compound
                                           surgery - pobj
-----
       her - poss
mother - pobj
       in - prep
              law - pobj
              who - nsubj
              was - aux
       using - relcl
                     a - det
              wheelchair - dobj
                     while - mark
              recovering - advcl
                     from - prep
                                    hip - compound
                            surgery - pobj
```

```
-----
law - pobj
-----
who - nsubj
-----
    a - det
wheelchair - dobj
    hip - compound
surgery - pobj
-----
Wheelchairs - nsubjpass
_____
    the - det
facility - pobj
_____
    the - det
coordinator - nsubj
_____
her - dobj
-----
Walkers - nsubj
    canes - conj
        rollators - conj
                hemi - amod
            canes - conj
-----
canes - conj
    rollators - conj
           hemi - amod
       canes - conj
         -----
rollators - conj
        hemi - amod
    canes - conj
   hemi - amod
canes - conj
-----
something - nsubj
    like - prep
       that - pobj
-----
he - nsubj
-----
we - nsubj
_____
    a - det
```

```
wheelchair - npadvmod
    bound - amod
patient - dobj
_____
November - pobj
    another - det
woman - nsubj
    seeking - acl
-----
    her - poss
mother - pobj
    in - prep
        law - pobj
law - pobj
_____
    the - det
    admissions - compound
coordinator - dobj
    at - prep
        VillageCare - pobj
-----
VillageCare - pobj
-----
Manhattan - pobj
-----
We - nsubj
_____
residents - dobj
wheelchairs - pobj
-----
    the - det
coordinator - nsubj
-----
phone - pobj
    the - det
woman - nsubj
_____
    her - poss
mother - nsubj
    in - prep
        law - pobj
-----
law - pobj
_____
```

```
a - det
chair - dobj
_____
decades - pobj
-----
assistance - pobj
-----
     The - det
coordinator - nsubj
-----
We - nsubj
-----
anyone - dobj
     in - prep
                a - det
          wheelchair - pobj
     a - det
wheelchair - pobj
-----
she - nsubj
     both - det
places - pobj
-----
     two - nummod
     other - amod
     assisted - amod
     living - amod
facilities - pobj
     in - prep
                     New - compound
                York - compound
          City - pobj
                people - appos
                          who - nsubj
                     made - relcl
                                similar - amod
                          inquiries - dobj
_____
          New - compound
     York - compound
City - pobj
     people - appos
               who - nsubj
          made - relcl
                     similar - amod
                inquiries - dobj
```

```
people - appos
          who - nsubj
     made - relcl
               similar - amod
          inquiries - dobj
_____
who - nsubj
-----
     similar - amod
inquiries - dobj
_____
    their - poss
relatives - dobj
applications - dobj
_____
None - nsubj
     of - prep
              these - det
         people - pobj
    these - det
people - pobj
-----
     family - compound
members - dobj
          who - nsubj
     needed - relcl
              assisted - amod
          living - dobj
_____
who - nsubj
-----
     assisted - amod
living - dobj
-----
They - nsubj
-----
testers - attr
          professional - amod
     actors - appos
          working - acl
               for - prep
                         the - det
                         nonprofit - amod
                              Fair - compound
                              Housing - compound
```

-----

```
Justice - compound
                          Center - pobj
                          to - aux
                    investigate - advcl
                                 whether - mark
                                        such - amod
                                 facilities - nsubj
                          discriminate - ccomp
                                 against - prep
                                              wheelchair - compound
                                        users - pobj
-----
      professional - amod
actors - appos
      working - acl
             for - prep
                          the - det
                          nonprofit - amod
                                 Fair - compound
                                 Housing - compound
                          Justice - compound
                    Center - pobj
                    to - aux
             investigate - advcl
                          whether - mark
                                 such - amod
                          facilities - nsubj
                    discriminate - ccomp
                          against - prep
                                        wheelchair - compound
                                users - pobj
-----
      the - det
      nonprofit - amod
             Fair - compound
             Housing - compound
      Justice - compound
Center - pobj
-----
      such - amod
facilities - nsubj
_____
      wheelchair - compound
users - pobj
Excerpts - nsubjpass
      from - prep
                    their - poss
```

```
recorded - amod
           conversations - pobj
_____
     their - poss
     recorded - amod
conversations - pobj
-----
     a - det
     federal - amod
lawsuit - pobj
     filed - acl
           against - prep
                       those - det
                 centers - pobj
     those - det
centers - pobj
-----
they - nsubj
-----
people - pobj
     in - prep
           wheelchairs - pobj
-----
wheelchairs - pobj
     the - det
           Fair - compound
     Housing - compound
Act - dobj
           the - det
     Americans - appos
           with - prep
                 Disabilities - pobj
           Act - appos
                 and - cc
                       other - amod
                       federal - amod
                 laws - conj
-----
     the - det
Americans - appos
     with - prep
           Disabilities - pobj
     Act - appos
           and - cc
                 other - amod
                 federal - amod
```

```
laws - conj
-----
Disabilities - pobj
_____
Act - appos
     and -cc
          other - amod
          federal - amod
     laws - conj
-----
     other - amod
     federal - amod
laws - conj
-----
People - nsubjpass
-----
eviction - pobj
-----
     even - amod
          part - amod
     time - compound
use - pobj
     of - prep
                a - det
          wheelchair - pobj
-----
     a - det
wheelchair - pobj
-----
     Fred - compound
Freiberg - nsubj
     director - appos
          of - prep
                     the - det
                     discrimination - compound
                group - pobj
                          which - nsubj
                     brought - relcl
                                the - det
                          suit - dobj
                          after - prep
                                receiving - pcomp
                                     complaints - dobj
                                     from - prep
                                           residents - pobj
                                                and - cc
                                                families - conj
```

```
director - appos
     of - prep
                 the - det
                 discrimination - compound
           group - pobj
                       which - nsubj
                 brought - relcl
                             the - det
                       suit - dobj
                       after - prep
                             receiving - pcomp
                                   complaints - dobj
                                   from - prep
                                         residents - pobj
                                               and - cc
                                               families - conj
     the - det
     discrimination - compound
group - pobj
           which - nsubj
     brought - relcl
                 the - det
           suit - dobj
           after - prep
                 receiving - pcomp
                       complaints - dobj
                       from - prep
                             residents - pobj
                                   and - cc
                                   families - conj
_____
     the - det
suit - dobj
_____
complaints - dobj
-----
residents - pobj
     and -cc
     families - conj
-----
families - conj
-----
It - nsubj
They - nsubjpass
_____
you - nsubj
```

```
a - det
wheelchair - dobj
_____
you - nsubj
-----
     anymore. - nmod
     Related - amod
cases - nsubj
-----
years - pobj
_____
     senior - amod
housing - pobj
     nationwide - advmod
_____
     continuing - amod
          care - compound
     retirement - compound
communities - pobj
-----
instance - pobj
-----
     the - det
     Justice - compound
Department - nsubj
-----
settlements - dobj
     with - prep
                a - det
                continuing - amod
                care - compound
          facility - pobj
                in - prep
                     Norfolk - pobj
                           Va. - appos
                and - cc
                one - conj
                      in - prep
                           Lincolnshire - pobj
                                Ill. - appos
                     for - prep
                           discriminating - pcomp
                                 against - prep
                                      residents - pobj
                                            with - prep
                                                 disabilities - pobj
```

```
a - det
     continuing - amod
     care - compound
facility - pobj
     in - prep
           Norfolk - pobj
                Va. - appos
     and - cc
     one - conj
           in - prep
                 Lincolnshire - pobj
                       Ill. - appos
           for - prep
                 discriminating - pcomp
                       against - prep
                             residents - pobj
                                   with - prep
                                        disabilities - pobj
 -----
Norfolk - pobj
     Va. - appos
-----
Va. - appos
-----
Lincolnshire - pobj
     Ill. - appos
_____
Ill. - appos
residents - pobj
     with - prep
           disabilities - pobj
-----
disabilities - pobj
-----
     nursing - compound
homes - pobj
           which - nsubj
     are - relcl
           subject - acomp
                 to - prep
                             federal - amod
                       regulations - pobj
                             and - cc
                                   regular - amod
                             inspections - conj
 _____
     federal - amod
```

```
regulations - pobj
     and -cc
          regular - amod
     inspections - conj
-----
     regular - amod
inspections - conj
-----
     assisted - amod
          and - cc
     independent - amod
     living - compound
facilities - nsubj
-----
          widely - advmod
     varying - amod
     state - compound
laws - pobj
-----
Oklahoma - nsubj
     and -cc
     Alabama - conj
-----
Alabama - conj
-----
residents - dobj
-----
instance - pobj
-----
Kentucky - nsubj
admission - dobj
     of - prep
                the - det
               mobile - amod
          nonambulatory - pobj
     the - det
     mobile - amod
nonambulatory - pobj
people - dobj
          who - nsubj
     use - relcl
          walkers - dobj
                or - cc
                wheelchairs - conj
```

```
who - nsubj
_____
walkers - dobj
     or - cc
     wheelchairs - conj
-----
wheelchairs - conj
-----
     Many - amod
states - nsubj
     similar - amod
policies - dobj
_____
     different - amod
language - pobj
_____
     no - det
wheelchairs, - dobj
-----
     Susan - compound
Silverstein - nsubj
          a - det
          senior - amod
     lawyer - appos
          for - prep
                     the - det
                     AARP - compound
                Foundation - pobj
                           which - nsubj
                           is - aux
                     representing - relcl
                                the - det
                           plaintiffs - dobj
-----
     a - det
     senior - amod
lawyer - appos
     for - prep
                the - det
                AARP - compound
          Foundation - pobj
                     which - nsubj
                     is - aux
                representing - relcl
                           the - det
                     plaintiffs - dobj
-----
```

```
the - det
      AARP - compound
Foundation - pobj
            which - nsubj
            is - aux
      representing - relcl
                  the - det
            plaintiffs - dobj
-----
      the - det
plaintiffs - dobj
_____
Facilities - nsubj
-----
      their - poss
policies - dobj
_____
      state - compound
laws - dobj
            that - nsubj
      are - relcl
            ambiguous - acomp
-----
Administrators - nsubj
      of - prep
                   the - det
            facilities - pobj
                   named - acl
                         in - prep
                                      the - det
                                            New - compound
                                      York - compound
                               lawsuit - pobj
                   including - prep
                                      Elm - compound
                               York - compound
                               Assisted - compound
                         Living - pobj
                               and -cc
                                      Madison - compound
                               York - conj
                                      Assisted - compound
                               Living - conj
                         which - nsubj
                   share - relcl
                         ownership - dobj
                         with - prep
                                      the - det
```

```
other - amod
                                  residence - pobj
                                         in - prep
                                                Queens - pobj
 _____
      the - det
facilities - pobj
      named - acl
             in - prep
                           the - det
                                  New - compound
                           York - compound
                    lawsuit - pobj
      including - prep
                           Elm - compound
                    York - compound
                    Assisted - compound
             Living - pobj
                    and -cc
                           Madison - compound
                    York - conj
                           Assisted - compound
                    Living - conj
             which - nsubj
      share - relcl
             ownership - dobj
             with - prep
                           the - det
                           other - amod
                    residence - pobj
                           in - prep
                                  Queens - pobj
_____
      the - det
             New - compound
      York - compound
lawsuit - pobj
-----
            Elm - compound
      York - compound
      Assisted - compound
Living - pobj
      and - cc
             Madison - compound
      York - conj
             Assisted - compound
      Living - conj
```

```
Madison - compound
York - conj
_____
     Assisted - compound
Living - conj
-----
ownership - dobj
-----
     the - det
     other - amod
residence - pobj
     in - prep
          Queens - pobj
-----
Queens - pobj
_____
     state - compound
laws - dobj
-----
reasons - pobj
          to - aux
     exclude - relcl
               wheelchair - compound
          users - dobj
     wheelchair - compound
users - dobj
-----
     the - det
complaint - pobj
    this - det
case - pobj
-----
they - nsubj
-----
               New - compound
          York - compound
     State - compound
regulations - nsubj
     governing - acl
                    adult - compound
               care - compound
          facilities - dobj
     and - cc
               Medicaid - npadvmod
          funded - amod
          assisted - amod
```

```
living - compound
       programs - conj
                     which - dobj
                            all - det
                            four - nummod
                     facilities - nsubjpass
                     are - auxpass
              licensed - relcl
                           to - aux
                     offer - advcl
                _____
             adult - compound
      care - compound
facilities - dobj
             Medicaid - npadvmod
      funded - amod
      assisted - amod
      living - compound
programs - conj
              which - dobj
                     all - det
                     four - nummod
              facilities - nsubjpass
              are - auxpass
       licensed - relcl
                    to - aux
              offer - advcl
-----
      all - det
      four - nummod
facilities - nsubjpass
-----
residents - dobj
              who - nsubj
       are - relcl
                     chronically - advmod
              chairfast - acomp
                     and -cc
                     unable - conj
                                   to - aux
                            transfer - xcomp
              or - cc
              require - conj
                     assistance - dobj
                            to - aux
                     transfer - xcomp
                                          even - advmod
```

```
when - advmod
                       as - prep
                            in - prep
                                     this - det
                                 case - pobj
                            the - det
                       buildings - nsubj
                  have - advcl
                       elevators - dobj
-----
who - nsubj
_____
assistance - dobj
-----
    this - det
case - pobj
    the - det
buildings - nsubj
-----
elevators - dobj
-----
    Those - det
         40-year - npadvmod
    old - amod
policies - nsubj
-----
    the - det
    federal - amod
laws - dobj
    barring - acl
         discrimination - dobj
              based - acl
                  on - prep
                       disability - pobj
-----
discrimination - dobj
    based - acl
         on - prep
            disability - pobj
_____
disability - pobj
_____
    the - det
state - nsubj
-----
them - dobj
-----
```

```
that - det
reason - pobj
-----
     the - det
lawsuit - nsubj
-----
     the - det
     state - compound
     health - compound
department - dobj
     and -cc
     commissioner - conj
-----
commissioner - conj
     Gov. - compound
     Andrew - compound
Cuomo - conj
     as - prep
        defendants - pobj
-----
defendants - pobj
-----
     Neither - preconj
          the - det
     governor - poss
          s - case
office - nsubj
     nor - cc
          the - det
          four - nummod
          assisted - amod
          living - compound
     facilities - conj
_____
     the - det
     four - nummod
     assisted - amod
     living - compound
facilities - conj
-----
          The - det
     state - poss
          s - case
     health - compound
department - nsubj
_____
it - nsubj
```

```
adult - compound
homes - pobj
_____
it - nsubj
-----
    existing - amod
homes - pobj
-----
    remediation - compound
plans - pobj
          that - nsubj
     include - relcl
               appropriate - amod
          upgrades - dobj
-----
     appropriate - amod
upgrades - dobj
-----
         Newly - advmod
    constructed - amod
    adult - compound
homes - nsubj
_____
it - nsubj
-----
    federal - amod
          state - conj
               and -cc
               local - conj
     accessibility - compound
requirements - pobj
-----
    The - det
suit - nsubj
-----
    the - det
    four - nummod
facilities - nsubj
-----
    nondiscriminatory - amod
admission - dobj
     and - cc
         retention - compound
    policies - conj
    retention - compound
policies - conj
```

```
the - det
state - nsubj
_____
    its - poss
regulations - dobj
        to - aux
    reflect - acl
             federal - amod
        law - dobj
    federal - amod
law - dobj
-----
It - nsubj
_____
training - dobj
    and - cc
    monitoring - conj
        to - aux
    ensure - advcl
        compliance - dobj
-----
monitoring - conj
-----
compliance - dobj
-----
administrators - nsubj
-----
applicants - dobj
    for - prep
             individual - amod
        reasons - pobj
-----
    individual - amod
reasons - pobj
-----
they - nsubj
-----
    blanket - compound
rules - dobj
_____
wheelchairs - pobj
_____
    a - det
        much - advmod
    larger - amod
number - attr
```

```
of - prep
         people - pobj
_____
people - pobj
-----
    the - det
    next - amod
    few - amod
years - pobj
-----
who - nsubj
-----
    assisted - amod
living - dobj
    those - det
facilities - nsubj
-----
people - pobj
-----
    Mr. - compound
Freiberg - nsubj
-----
    the - det
    assisted - amod
    living - compound
industry - nsubj
-----
people - dobj
         who - nsubj
         are - aux
    paying - relcl
         for - prep
                   the - det
              care - pobj
                   themselves - appos
-----
who - nsubj
-----
    the - det
care - pobj
    themselves - appos
themselves - appos
    the - det
percentage - nsubj
    covered - acl
```

```
by - agent
                 Medicaid - pobj
_____
Medicaid - pobj
-----
     Eric - compound
Carlson - nsubj
           a - det
     lawyer - appos
           at - prep
                 Justice - pobj
                      in - prep
                            Aging - pobj
           an - det
           advocacy - compound
     group - appos
                 not - neg
           involved - acl
                 in - prep
                            the - det
                      lawsuit - pobj
     a - det
lawyer - appos
     at - prep
           Justice - pobj
                 in - prep
                     Aging - pobj
Justice - pobj
     in - prep
           Aging - pobj
-----
Aging - pobj
-----
     an - det
     advocacy - compound
group - appos
           not - neg
     involved - acl
           in - prep
                      the - det
                 lawsuit - pobj
_____
     the - det
lawsuit - pobj
_____
     A - det
```

```
recent - amod
             Government - compound
             Accountability - compound
      Office - compound
report - nsubj
_____
Medicaid - nsubj
-----
            assisted - amod
      living - compound
services - dobj
      for - prep
                         more - amod
                         than - quantmod
                   330,000 - nummod
             people - pobj
                   in - prep
                                48 - nummod
                         states - pobj
-----
            more - amod
             than - quantmod
      330,000 - nummod
people - pobj
      in - prep
                  48 - nummod
            states - pobj
      48 - nummod
states - pobj
_____
part - dobj
      of - prep
                   the - det
             effort - pobj
                         to - aux
                   support - acl
                          alternatives - dobj
                          to - prep
                                       expensive - amod
                                       nursing - compound
                                homes - pobj
      the - det
effort - pobj
             to - aux
      support - acl
             alternatives - dobj
```

```
to - prep
                     expensive - amod
                     nursing - compound
               homes - pobj
-----
alternatives - dobj
-----
     expensive - amod
     nursing - compound
homes - pobj
-----
     A - det
     favorable - amod
settlement - nsubj
     or - cc
          trial - compound
     verdict - conj
     in - prep
               the - det
                     New - compound
               York - compound
          lawsuit - pobj
-----
     trial - compound
verdict - conj
-----
     the - det
          New - compound
     York - compound
lawsuit - pobj
_____
changes - dobj
-----
     assisted - amod
living - pobj
     beyond - prep
               Medicaid - compound
          programs - pobj
          and -cc
          beyond - conj
                          New - compound
                     York - compound
               State - pobj
-----
     Medicaid - compound
programs - pobj
-----
          New - compound
```

```
York - compound
State - pobj
-----
             Private - amod
      pay - nmod
      assisted - amod
living - nsubj
-----
      the - det
             Fair - compound
      Housing - compound
Act - pobj
_____
      Jota - compound
Borgmann - nsubj
             senior - amod
             staff - compound
      lawyer - appos
             at - prep
                    Mobilization - pobj
                           for - prep
                                  Justice - pobj
                    a - det
                           legal - amod
                    services - compound
             organization - conj
                    and -cc
                                         counsel - punct
                                  in - punct
                           the - det
                    case - conj
      senior - amod
      staff - compound
lawyer - appos
      at - prep
             Mobilization - pobj
                    for - prep
                           Justice - pobj
             a - det
                    legal - amod
             services - compound
      organization - conj
             and - cc
                                  counsel - punct
                           in - punct
                    the - det
             case - conj
```

```
Mobilization - pobj
    for - prep
         Justice - pobj
-----
Justice - pobj
-----
    a - det
         legal - amod
     services - compound
organization - conj
    and - cc
                    counsel - punct
               in - punct
          the - det
    case - conj
_____
              counsel - punct
          in - punct
    the - det
case - conj
-----
         Similar - amod
    court - compound
cases - nsubj
_____
     assisted - amod
     living - compound
regulations - dobj
     and - cc
     practices - conj
          around - prep
                    the - det
              country - pobj
-----
practices - conj
     around - prep
               the - det
         country - pobj
-----
    the - det
country - pobj
    Mr. - compound
Carlson - nsubj
-----
It - nsubj
_____
```

```
a - det
switch - dobj
-----
he - nsubj
-----
It - nsubjpass
_____
step - pobj
-----
they - nsubj
-----
impact - dobj
   the - det
relatives - nsubj
       that - dobj
       testers - nsubj
   described - relcl
       to - prep
           administrators - pobj
-----
testers - nsubj
-----
administrators - pobj
-----
   her - poss
60s - pobj
-----
   court - compound
filings - pobj
       only - advmod
   as - prep
           Jane - compound
       Doe - pobj
-----
   Jane - compound
Doe - pobj
-----
she - nsubj
-----
she - nsubjpass
-----
   care - compound
facilities - pobj
-----
She - nsubj
_____
   a - det
```

```
plaintiff - attr
    in - prep
              the - det
         lawsuit - pobj
-----
    the - det
lawsuit - pobj
-----
    her - poss
brother - pobj
         who - nsubj
    acts - relcl
         as - prep
                   her - poss
              power - pobj
                   of - prep
                        attorney - pobj
-----
who - nsubj
-----
    her - poss
power - pobj
    of - prep
        attorney - pobj
-----
attorney - pobj
-----
    severe - amod
osteoporosis - pobj
-----
    the - det
plaintiff - nsubj
-----
VillageCare - pobj
_____
    five - nummod
years - pobj
-----
    last - amod
spring - pobj
         when - advmod
              a - det
              urinary - amod
              tract - compound
         infection - nsubj
              and - cc
                   its - poss
              complications - conj
```

```
sent - relcl
         her - dobj
         to - prep
                  a - det
             hospital - pobj
    a - det
    urinary - amod
    tract - compound
infection - nsubj
    and -cc
         its - poss
    complications - conj
_____
    its - poss
complications - conj
_____
her - dobj
-----
    a - det
hospital - pobj
-----
    a - det
    nursing - compound
home - pobj
-----
rehabilitation - pobj
-----
    two - nummod
months - pobj
_____
    the - det
complaint - pobj
-----
VillageCare - nsubj
_____
her - dobj
-----
she - nsubj
-----
    more - amod
assistance - dobj
         than - mark
         it - nsubj
         could - aux
    provide - advcl
    including - prep
         help - pobj
```

```
with - prep
                   ambulation - pobj
-----
it - nsubj
-----
help - pobj
    with - prep
         ambulation - pobj
-----
ambulation - pobj
-----
her - dobj
she - nsubj
It - nsubj
_____
    eviction - compound
proceedings - dobj
         which - dobj
              her - poss
         brother - nsubj
    contested - relcl
-----
    her - poss
brother - nsubj
-----
December - pobj
    the - det
facility - nsubj
-----
person - pobj
-----
assessment - conj
-----
    The - det
session - nsubj
    including - prep
              cognitive - amod
         tests - pobj
              sitting - conj
                   and - cc
                   standing - conj
                   and -cc
                   taking - conj
                             her - poss
                        shoes - dobj
```

```
on - prep
                                    and -cc
                                    off - conj
     cognitive - amod
tests - pobj
      sitting - conj
            and - cc
            standing - conj
            and - cc
            taking - conj
                       her - poss
                  shoes - dobj
                  on - prep
                       and - cc
                       off - conj
_____
     her - poss
shoes - dobj
-----
It - nsubj
     her - poss
brother - nsubj
           who - nsubj
     traveled - relcl
            from - prep
                       his - poss
                       Florida - compound
                 home - pobj
                 to - aux
            accompany - advcl
                 her - dobj
who - nsubj
     his - poss
     Florida - compound
home - pobj
-----
her - dobj
-----
It - nsubj
-----
      a - det
           very - advmod
     difficult - amod
thing - attr
```

```
my - poss
sister - nsubj
-----
it - dobj
-----
She - nsubj
-----
    her - poss
walker - pobj
_____
VillageCare - nsubj
-----
her - dobi
-----
she - nsubj
_____
assistance - dobj
    with - prep
         activities - pobj
             of - prep
                      daily - amod
                  living - pobj
                      including - prep
                           locomotion - pobj
-----
activities - pobj
    of - prep
             daily - amod
         living - pobj
             including - prep
                 locomotion - pobj
-----
    daily - amod
living - pobj
    including - prep
        locomotion - pobj
-----
locomotion - pobj
-----
she - nsubj
_____
    a - det
    nursing - compound
home - pobj
         where - advmod
         she - nsubjpass
         is - auxpass
```

```
discouraged - relcl
          from - prep
               walking - pcomp
                         at - advmod
                    all - advmod
she - nsubjpass
-----
worries - conj
          that - mark
          she - nsubj
          may - aux
          never - neg
     go - ccomp
          home - advmod
_____
she - nsubj
-----
It - nsubj
-----
     her - poss
brother - nsubj
-----
I - nsubj
-----
her - dobj
-----
You - nsubj
-----
day, - ROOT
_____
I - nsubj
-----
In [10]: # Spacy tutorial method
     for chunk in processed_text.noun_chunks:
        print(chunk.text,
            chunk.root.text,
            chunk.root.dep_)
March March pobj
a woman woman nsubj
the admissions coordinator coordinator pobj
Queens Queens pobj
placement placement pobj
her mother mother pobj
law law pobj
```

```
who who nsubj
a wheelchair wheelchair dobj
hip surgery surgery pobj
Wheelchairs Wheelchairs nsubjpass
the facility facility pobj
the coordinator coordinator nsubj
her her dobj
Walkers Walkers nsubj
canes canes conj
rollators rollators conj
hemi canes canes conj
something something nsubj
he he nsubj
we we nsubj
a wheelchair-bound patient patient dobj
November November pobj
another woman woman nsubj
her mother mother pobj
law law pobj
the admissions coordinator coordinator dobj
VillageCare VillageCare pobj
Manhattan Manhattan pobj
We We nsubj
residents residents dobj
wheelchairs wheelchairs pobj
the coordinator coordinator nsubj
phone phone pobj
the woman woman nsubj
her mother mother nsubj
-law law pobj
a chair chair dobj
decades decades pobj
assistance assistance pobj
The coordinator coordinator nsubj
We We nsubj
anyone anyone dobj
a wheelchair wheelchair pobj
she she nsubj
both places places pobj
two other assisted living facilities facilities pobj
New York City City pobj
people people appos
who who nsubj
similar inquiries inquiries dobj
their relatives relatives dobj
applications applications dobj
None None nsubj
these people people pobj
```

```
family members members dobj
who who nsubj
assisted living living dobj
They They nsubj
testers testers attr
professional actors actors appos
the nonprofit Fair Housing Justice Center Center pobj
such facilities facilities nsubj
wheelchair users users pobj
Excerpts Excerpts nsubjpass
their recorded conversations conversations pobj
a federal lawsuit lawsuit pobj
those centers centers pobj
they they nsubj
people people pobj
wheelchairs wheelchairs pobj
the Fair Housing Act Act dobj
the Americans Americans appos
Disabilities Disabilities pobj
Act Act appos
other federal laws laws conj
People People nsubjpass
eviction eviction pobj
even part-time use use pobj
a wheelchair wheelchair pobj
Fred Freiberg Freiberg nsubj
director director appos
the anti-discrimination group group pobj
the suit suit dobj
complaints complaints dobj
residents residents pobj
families families conj
It It nsubj
They They nsubjpass
you you nsubj
a wheelchair wheelchair dobj
you you nsubj
anymore. Related cases cases nsubj
years years pobj
senior housing housing pobj
continuing care retirement communities communities pobj
instance instance pobj
the Justice Department Department nsubj
settlements settlements dobj
a continuing care facility facility pobj
Norfolk Norfolk pobj
Va. Va. appos
Lincolnshire Lincolnshire pobj
```

```
Ill. Ill. appos
residents residents pobj
disabilities disabilities pobj
nursing homes homes pobj
federal regulations regulations pobj
regular inspections inspections conj
assisted and independent living facilities facilities nsubj
widely varying state laws laws pobj
Oklahoma Oklahoma nsubj
Alabama Alabama conj
residents residents dobj
instance instance pobj
Kentucky Kentucky nsubj
admission admission dobj
the mobile nonambulatory nonambulatory pobj
people people dobj
who who nsubj
walkers walkers dobj
wheelchairs wheelchairs conj
Many states states nsubj
similar policies policies dobj
different language language pobj
no wheelchairs, wheelchairs, dobj
Susan Silverstein Silverstein nsubj
a senior lawyer lawyer appos
the AARP Foundation Foundation pobj
the plaintiffs plaintiffs dobj
Facilities Facilities nsubj
their policies policies dobj
state laws laws dobj
Administrators Administrators nsubj
the facilities facilities pobj
the New York lawsuit lawsuit pobj
Elm York Assisted Living Living pobj
Madison York York conj
Assisted Living Living conj
ownership ownership dobj
the other residence residence pobj
Queens Queens pobj
state laws laws dobj
reasons reasons pobj
wheelchair users users dobj
the complaint complaint pobj
this case case pobj
they they nsubj
New York State regulations regulations nsubj
adult care facilities facilities dobj
Medicaid-funded assisted living programs programs conj
```

```
all four facilities facilities nsubjpass
residents residents dobj
who who nsubj
assistance assistance dobj
this case case pobj
the buildings buildings nsubj
elevators elevators dobj
Those 40-year-old policies policies nsubj
the federal laws laws dobj
discrimination discrimination dobj
disability disability pobj
the state state nsubj
them them dobj
that reason reason pobj
the lawsuit lawsuit nsubj
the state health department department dobj
commissioner commissioner conj
Gov. Andrew Cuomo Cuomo conj
defendants defendants pobj
Neither the governors office office nsubj
the four assisted living facilities facilities conj
The states health department department nsubj
it it nsubj
adult homes homes pobj
it it nsubj
existing homes homes pobj
remediation plans plans pobj
appropriate upgrades upgrades dobj
Newly constructed adult homes homes nsubj
it it nsubj
federal, state and local accessibility requirements requirements pobj
The suit suit nsubj
the four facilities facilities nsubj
nondiscriminatory admission admission dobj
retention policies policies conj
the state state nsubj
its regulations regulations dobj
federal law law dobj
It It nsubj
training training dobj
monitoring monitoring conj
compliance compliance dobj
administrators administrators nsubj
applicants applicants dobj
individual reasons reasons pobj
they they nsubj
blanket rules rules dobj
wheelchairs wheelchairs pobj
```

```
a much larger number number attr
people people pobj
the next few years years pobj
who who nsubj
assisted living living dobj
those facilities facilities nsubj
people people pobj
Mr. Freiberg Freiberg nsubj
the assisted living industry industry nsubj
people people dobj
who who nsubj
the care care pobj
themselves themselves appos
the percentage percentage nsubj
Medicaid Medicaid pobj
Eric Carlson Carlson nsubj
a lawyer lawyer appos
Justice Justice pobj
Aging Aging pobj
an advocacy group group appos
the lawsuit lawsuit pobj
A recent Government Accountability Office report report nsubj
Medicaid Medicaid nsubj
assisted-living services services dobj
more than 330,000 people people pobj
48 states states pobj
part part dobj
the effort effort pobj
alternatives alternatives dobj
expensive nursing homes homes pobj
A favorable settlement settlement nsubj
trial verdict verdict conj
the New York lawsuit lawsuit pobj
changes changes dobj
assisted living living pobj
Medicaid programs programs pobj
New York State State pobj
Private-pay assisted living living nsubj
the Fair Housing Act Act pobj
Jota Borgmann Borgmann nsubj
senior staff lawyer lawyer appos
Mobilization Mobilization pobj
Justice Justice pobj
a legal services organization organization conj
co-counsel in the case case conj
Similar court cases cases nsubj
assisted living regulations regulations dobj
practices practices conj
```

the country country pobj Mr. Carlson Carlson nsubj It It nsubj a switch switch dobj he he nsubj It It nsubjpass step step pobj they they nsubj impact impact dobj the relatives relatives nsubj testers testers nsubj administrators administrators pobj her 60s 60s pobj court filings filings pobj Jane Doe Doe pobj she she nsubj she she nsubjpass care facilities facilities pobj She She nsubj a plaintiff plaintiff attr the lawsuit lawsuit pobj her brother brother pobj who who nsubj her power power pobj attorney attorney pobj severe osteoporosis osteoporosis pobj the plaintiff plaintiff nsubj VillageCare VillageCare pobj five years years pobj last spring spring pobj a urinary tract infection infection nsubj its complications complications conj her her dobj a hospital hospital pobj a nursing home home pobj rehabilitation rehabilitation pobj two months months pobj the complaint complaint pobj VillageCare VillageCare nsubj her her dobj she she nsubj more assistance assistance dobj it it nsubj help help pobj ambulation ambulation pobj her her dobj she she nsubj It It nsubj

```
eviction proceedings proceedings dobj
her brother brother nsubj
December December pobj
the facility facility nsubj
person person pobj
assessment assessment conj
The session session nsubj
cognitive tests tests pobj
her shoes shoes dobj
It It nsubj
her brother brother nsubj
who who nsubj
his Florida home home pobj
her her dobj
It It nsubj
a very difficult thing thing attr
my sister sister nsubj
it it dobj
She She nsubj
her walker walker pobj
VillageCare VillageCare nsubj
her her dobj
she she nsubj
assistance assistance dobj
activities activities pobj
daily living living pobj
locomotion locomotion pobj
she she nsubj
a nursing home home pobj
she she nsubjpass
worries worries conj
she she nsubj
It It nsubj
her brother brother nsubj
I I nsubj
her her dobj
You You nsubj
day, day, ROOT
I I nsubj
In [11]: # Show the most common Entities and their types.
         entities = [token.text + " " + token.label_
                      for token in processed_text.ents
         entities_freq = Counter(entities)
         common_entities = entities_freq.most_common(10)
         common_entities
```

```
Out[11]: [('VillageCare ORG', 4),
          ('Medicaid ORG', 4),
          ('four CARDINAL', 3),
          ('Queens GPE', 2),
          ('the Fair Housing Act LAW', 2),
          ('New York GPE', 2),
          ('New York State GPE', 2),
          ('March 2017 DATE', 1),
          ('Madison York Assisted Living GPE', 1),
          ('November DATE', 1)]
In [12]: # Find Entites and their dependency (hint: entity.root.head)
         for entity in processed_text.ents:
             print(entity.label_, entity.root.head)
DATE In
GPE at
GPE in
DATE In
ORG at
CARDINAL at
GPE in
DATE for
CARDINAL facilities
GPE in
ORG for
LAW violating
LAW Act
PERSON said
ORDINAL -
DATE for
DATE In
ORG reached
GPE in
GPE Norfolk
CARDINAL facility
GPE in
GPE Lincolnshire
GPE require
GPE Oklahoma
GPE allows
PERSON said
ORG for
GPE lawsuit
GPE including
PERSON Living
PERSON Living
GPE in
```

```
GPE regulations
ORG funded
CARDINAL facilities
CARDINAL old
PERSON names
CARDINAL facilities
DATE working
CARDINAL facilities
DATE in
PERSON said
ORG by
PERSON said
ORG at
ORG in
ORG report
DATE in
ORG covered
CARDINAL people
CARDINAL states
GPE lawsuit
ORG programs
GPE beyond
LAW to
PERSON said
ORG at
PERSON pointed
DATE in
PERSON as
ORG at
DATE for
DATE until
DATE After
ORG told
DATE In
TIME lasted
GPE home
ORG refused
DATE living
In [16]: # Find the most similar words in the article
         mylist= [(token1.text, token2.text, token1.similarity(token2)) for token2 in processed_
         import pandas as pd
         df = pd.DataFrame(mylist)
         df.columns = ["Token1", "Token2", "Similarity"]
         condition = (df.Similarity == 1) # excluding complete similarity (identical word compar
```

excluded = df[~condition]
sort\_top = excluded.sort\_values("Similarity", ascending=False)
sort\_top

Out [16]:         Token1         Token2         Similarity           1466894         she         he 940325           248974         he         she         0.940325           112355         could         can         0.928260           235531         can         could         0.928260           234145         we         We         0.923165           110969         We         we         0.923165           128644         December         November         0.91544           506992         not         nt         0.914729           1154915         not         nt         0.941729           1154915         not         nt         0.908144           1676683         nt         not         0.908144           1152401         can         could         0.908925           113017         could         can         0.908925           1153787         not         nt         0.9033787           1676216         nt         not         0.903378           1676216         nt         not         0.897983           1153876         not         nt         0.893729           505606		-			
248974         he         she         0.940325           112355         could         can         0.928260           235531         can         could         0.928260           234145         we         We         0.923165           110969         We         we         0.923165           128644         December         November         0.919544           1695332         November         December         0.914729           113936         nt         not         0.914729           113936         nt         not         0.908144           1676683         nt         not         0.908144           1152401         can         could         0.906925           113017         could         can         0.90925           1153787         not         nt         0.903376           1676216         nt         not         0.903370           153876         not         nt         0.897983           237668         nt         not         0.893729           505606         can         ca         0.893729           173403         in         not         nt         0.891237	Out[16]:		Token1	Token2	Similarity
112355		1466894	she	he	0.940325
235531         can         could         0.928260           234145         we         We         0.923165           110969         We         we         0.923165           128644         December         November         0.919544           1695332         November         December         0.914729           113936         nt         not         0.914729           1154915         not         nt         0.908144           1676683         nt         not         0.908144           1152401         can         could         0.906925           113017         could         can         0.906925           1153787         not         nt         0.903787           114403         nt         not         0.903787           1676216         nt         not         0.903370           153876         not         nt         0.897983           237668         nt         not         0.897983           112550         ca         can         0.893729           173403         in         on         0.893460           385155         on         in         0.891237           237201 <td></td> <td></td> <td></td> <td>she</td> <td></td>				she	
234145         we         We         0.923165           110969         We         we         0.923165           128644         December         November         0.919544           1695332         November         December         0.919544           506992         not         nt         0.914729           113936         nt         not         0.908144           1676683         nt         not         0.908144           1152401         can         could         0.906925           113017         could         can         0.906925           1153787         not         nt         0.903787           1676216         nt         not         0.903370           1153876         not         nt         0.897983           237668         nt         not         0.897983           112550         ca         can         0.893729           153403         in         on         0.893729           173403         in         on         0.893460           385155         on         in         0.891237           237201         nt         not         0.891237           237201			could		
110969         We         we         0.923165           128644         December         November         0.919544           1695332         November         December         0.919544           506992         not         nt         0.914729           113936         nt         not         0.914729           1154915         not         nt         0.908144           1676683         nt         not         0.908144           1152401         can         could         0.906925           113017         could         can         0.906925           1153787         not         nt         0.903787           1676216         nt         not         0.903787           1676216         nt         not         0.903370           1153876         not         nt         0.897983           237668         nt         not         0.897983           112550         ca         can         0.893729           505606         can         ca         0.893729           173403         in         on         0.89460           385155         on         in         0.891237           237201			can	could	0.928260
128644         December         November         December         0.919544           506992         not         nt         0.914729           113936         nt         not         0.914729           1154915         not         nt         0.908144           1676683         nt         not         0.908144           1152401         can         could         0.906925           113017         could         can         0.906925           1153787         not         nt         0.903787           114403         nt         not         0.903370           1676216         nt         not         0.903370           153876         not         nt         0.897983           237668         nt         not         0.893729           505606         can         ca         0.893729           173403         in         on         0.893460           385155         on         in         0.891237           237201         nt         not         nt         0.891237           229735         not         nt         not         0.891237           229735         not         nt         n		234145	we	We	0.923165
1695332         November         December         0.919544           506992         not         nt         0.914729           113936         nt         not         0.914729           1154915         not         nt         0.908144           1676683         nt         not         0.906925           113017         could         can         0.906925           1153787         not         nt         0.903787           1676216         nt         not         0.903370           508120         not         nt         0.897983           237668         nt         not         0.897983           112550         ca         can         0.893729           505606         can         ca         0.893729           173403         in         on         0.893460           385155         on         in         0.891237           237201         nt         not         nt         0.891237           229735         not         nt         0.891232           1676015         nt         not         0.891232           506357         could         ca         could         0.890284		110969	We	we	0.923165
506992         not         nt         0.914729           113936         nt         not         0.914729           1154915         not         nt         0.908144           1676683         nt         not         0.906925           113017         could         can         0.906925           1153787         not         nt         0.903787           114403         nt         not         0.903370           508120         not         nt         0.903370           1153876         not         nt         0.897983           237668         nt         not         0.897983           112550         ca         can         0.893729           505606         can         ca         0.893729           173403         in         on         0.893460           385155         on         in         0.891237           237201         nt         not         nt         0.891237           229735         not         nt         0.891232           1676015         nt         not         0.891232           506357         could         ca         co.890284		128644	December	November	0.919544
113936       nt       not       0.914729         1154915       not       nt       0.908144         1676683       nt       not       0.906925         113017       could       can       0.906925         1153787       not       nt       0.903787         114403       nt       not       0.903370         508120       not       nt       0.897983         237668       nt       not       0.897983         112550       ca       can       0.893729         505606       can       ca       0.893729         173403       in       on       0.893460         385155       on       in       0.891237         237201       nt       not       0.891237         229735       not       nt       0.891232         506357       could       ca       could       0.890284                1509130       facilities       in       -0.361261         1199114       in       facilities       -0.362232         31803       Facilities       for       -0.362322         1851208		1695332	November	December	0.919544
1154915       not       nt       0.908144         1676683       nt       not       0.908144         1152401       can       could       0.906925         113017       could       can       0.906925         1153787       not       nt       0.903787         1676216       nt       not       0.903370         508120       not       nt       0.897983         237668       nt       not       0.897983         112550       ca       can       0.893729         505606       can       ca       0.893729         173403       in       on       0.893460         385155       on       in       0.893460         507081       not       nt       0.891237         237201       nt       not       0.891232         266357       could       ca       0.890284               1509130       facilities       in       -0.361261         1199114       in       facilities       -0.362232         31003       Facilities       for       -0.362322         31851208       larger       i		506992	not	nt	0.914729
1676683         nt         not         0.908144           1152401         can         could         0.906925           113017         could         can         0.906925           1153787         not         nt         0.903787           114403         nt         not         0.903370           1676216         nt         not         0.903370           508120         not         nt         0.897983           237668         nt         not         0.897983           112550         ca         can         0.893729           505606         can         ca         0.893729           173403         in         on         0.893460           385155         on         in         0.893460           385155         on         in         0.891237           237201         nt         not         0.891237           229735         not         nt         0.891232           506357         could         ca         0.890284                 1509130         facilities         in         -0.361261           1738227         for <td></td> <td>113936</td> <td>nt</td> <td>not</td> <td>0.914729</td>		113936	nt	not	0.914729
1152401         can         could         0.906925           113017         could         can         0.906925           1153787         not         nt         0.903787           114403         nt         not         0.903370           1676216         nt         not         0.903370           508120         not         nt         0.903370           1153876         not         nt         0.897983           237668         nt         not         0.899783           112550         ca         can         0.893729           505606         can         ca         0.893729           173403         in         on         0.893460           385155         on         in         0.893460           385155         on         in         0.891237           237201         nt         not         nt         0.891237           229735         not         nt         0.891232           1676015         nt         not         0.891232           506357         could         ca         0.390284                 1509130		1154915	not	nt	0.908144
113017       could       can       0.906925         1153787       not       nt       0.903787         114403       nt       not       0.903370         1676216       nt       not       0.903370         508120       not       nt       0.897983         237668       nt       not       0.897983         112550       ca       can       0.893729         505606       can       ca       0.893729         173403       in       on       0.893460         385155       on       in       0.893460         507081       not       nt       0.891237         237201       nt       not       0.891237         229735       not       nt       0.891232         1676015       nt       not       0.891232         506357       could       ca       0.890284               1509130       facilities       in       -0.361261         1199114       in       facilities       -0.362232         31003       Facilities       for       -0.362232         31851208       larger       is <td></td> <td>1676683</td> <td>nt</td> <td>not</td> <td>0.908144</td>		1676683	nt	not	0.908144
1153787         not         nt         0.903787           114403         nt         not         0.903370           1676216         nt         not         0.903370           508120         not         nt         0.897983           237668         nt         not         0.897983           112550         ca         can         0.893729           505606         can         ca         0.893729           173403         in         on         0.893460           385155         on         in         0.891237           237201         nt         not         0.891237           229735         not         nt         0.891232           1676015         nt         not         0.891232           506357         could         ca         0.890284                 1509130         facilities         in         -0.361261           1199114         in         facilities         -0.362232           31003         Facilities         for         -0.362232           1851208         larger         is         larger         -0.363472		1152401	can	could	0.906925
114403       nt       not       0.903787         1676216       nt       not       0.903370         508120       not       nt       0.897983         1153876       not       nt       0.897983         237668       nt       not       0.893729         505606       can       ca       0.893729         173403       in       on       0.893460         385155       on       in       0.891237         237201       nt       not       0.891237         229735       not       nt       0.891232         1676015       nt       not       0.891232         506357       could       ca       0.890284         1152685       ca       could       0.890284         1199114       in       facilities       in       -0.361261         1199114       in       facilities       -0.362232         31003       Facilities       for       -0.362232         1851208       larger       is       -0.363726         689284       -       must       -       -0.363726         689284       -       must       -0.365534         739		113017	could	can	0.906925
1676216       nt       not       0.903370         508120       not       nt       0.903370         1153876       not       nt       0.897983         237668       nt       not       0.893729         505606       can       ca       0.893729         173403       in       on       0.893460         385155       on       in       0.891237         237201       nt       not       0.891237         229735       not       nt       0.891232         1676015       nt       not       0.891232         506357       could       ca       0.890284               1509130       facilities       in       -0.361261         1199114       in       facilities       -0.361261         738227       for       Facilities       -0.362232         31003       Facilities       for       -0.363472         1175816       is       larger       is       -0.363472         1301012       must       -       -0.363726         689284       -       must       -0.365534         739147 <t< td=""><td></td><td>1153787</td><td>not</td><td>nt</td><td>0.903787</td></t<>		1153787	not	nt	0.903787
508120         not         nt         0.903370           1153876         not         nt         0.897983           237668         nt         not         0.897983           112550         ca         can         0.893729           505606         can         ca         0.893729           173403         in         on         0.893460           385155         on         in         0.893460           507081         not         nt         0.891237           237201         nt         not         0.891232           266357         could         ca         0.890284           1152685         ca         could         0.890284                 1509130         facilities         in         -0.361261           1199114         in         facilities         -0.362232           31003         Facilities         for         -0.362232           1851208         larger         is         -0.363472           1175816         is         larger         -0.363472           1301012         must         -0.363726           689284         - </td <td></td> <td>114403</td> <td>nt</td> <td>not</td> <td>0.903787</td>		114403	nt	not	0.903787
1153876 not nt 0.897983 237668 nt not 0.897983 112550 ca can 0.893729 505606 can ca 0.893729 173403 in on 0.893460 385155 on in 0.891237 237201 nt not 0.891237 229735 not nt 0.891232 1676015 nt not 0.891232 506357 could ca 0.890284 1152685 ca could 0.890284 1509130 facilities in -0.361261 1199114 in facilities -0.361261 738227 for Facilities -0.362232 31003 Facilities for -0.362232 1851208 larger is -0.363472 1175816 is larger -0.363472 1175816 is larger -0.363726 689284 - must -0.363726 689284 - must -0.365534 739147 for Facilities -0.365534 739147 for Facilities -0.375959		1676216	nt	not	0.903370
237668       nt       not       0.897983         112550       ca       can       0.893729         505606       can       ca       0.893729         173403       in       on       0.893460         385155       on       in       0.893460         507081       not       nt       0.891237         237201       nt       not       0.891232         1676015       nt       not       0.891232         506357       could       ca       0.890284               1509130       facilities       in       -0.361261         1199114       in       facilities       -0.362232         31003       Facilities       for       -0.362232         1851208       larger       is       -0.363472         1175816       is       larger       -0.363472         1301012       must       -       -0.363726         689284       -       must       -0.365534         739147       for       Facilities       for       -0.365534         739147       for       Facilities       -0.375959		508120	not	nt	0.903370
112550       ca       can       0.893729         505606       can       ca       0.893729         173403       in       on       0.893460         385155       on       in       0.893460         507081       not       nt       0.891237         237201       nt       not       0.891232         229735       not       nt       0.891232         1676015       nt       not       0.891232         506357       could       ca       0.890284               1509130       facilities       in       -0.361261         1199114       in       facilities       -0.362232         31003       Facilities       for       -0.362232         1851208       larger       is       -0.363472         1175816       is       larger       -0.363472         1301012       must       -       -0.363726         689284       -       must       -0.365534         739147       for       Facilities       for       -0.365534         739147       for       Facilities       -0.375959		1153876	not	nt	0.897983
505606       can       ca       0.893729         173403       in       on       0.893460         385155       on       in       0.893460         507081       not       nt       0.891237         237201       nt       not       0.891232         1676015       nt       not       0.891232         506357       could       ca       0.890284         1152685       ca       could       0.890284               1509130       facilities       in       -0.361261         1199114       in       facilities       -0.361261         738227       for       Facilities       -0.362232         31003       Facilities       for       -0.363472         1175816       is       larger       is       -0.363472         1301012       must       -       -0.363726         689284       -       must       -0.365534         739147       for       Facilities       for       -0.365534         739147       for       Facilities       -0.375959		237668	nt	not	0.897983
173403 in on 0.893460 385155 on in 0.893460 507081 not nt 0.891237 237201 nt not 0.891232 1676015 nt not 0.891232 506357 could ca 0.890284 1152685 ca could 0.890284 1509130 facilities in -0.361261 1199114 in facilities -0.361261 738227 for Facilities -0.362232 31003 Facilities for -0.362232 1851208 larger is -0.363472 1175816 is larger -0.363472 1301012 must0.363726 689284 - must -0.363726 689284 - must -0.365534 739147 for Facilities -0.375959		112550	ca	can	0.893729
385155       on       in       0.893460         507081       not       nt       0.891237         237201       nt       not       0.891237         229735       not       nt       0.891232         1676015       nt       not       0.890284         1152685       ca       could       0.890284               1509130       facilities       in       -0.361261         1199114       in       facilities       -0.362232         31003       Facilities       for       -0.362232         1851208       larger       is       -0.363472         1175816       is       larger       -0.363472         1301012       must       -       -0.363726         689284       -       must       -0.365534         739147       for       Facilities       for       -0.365534         738778       with       Facilities       -0.375959		505606	can	ca	0.893729
507081       not       nt       0.891237         237201       nt       not       0.891237         229735       not       nt       0.891232         1676015       nt       not       0.890284         1152685       ca       could       0.890284               1509130       facilities       in       -0.361261         1199114       in       facilities       -0.362232         31003       Facilities       for       -0.362232         1851208       larger       is       -0.363472         1175816       is       larger       -0.363472         1301012       must       -       -0.363726         689284       -       must       -0.365534         739147       for       Facilities       for       -0.365534         739147       for       Facilities       -0.375959		173403	in	on	0.893460
237201 nt not 0.891237 229735 not nt 0.891232 1676015 nt not 0.890284 1152685 ca could 0.890284 1509130 facilities in -0.361261 1199114 in facilities -0.361261 738227 for Facilities -0.362232 31003 Facilities for -0.362232 1851208 larger is -0.363472 1175816 is larger -0.363472 1175816 is larger -0.363472 1301012 must0.363726 689284 - must -0.363726 1305203 Facilities for -0.365534 739147 for Facilities -0.375959		385155	on	in	0.893460
229735       not       nt       0.891232         1676015       nt       not       0.891232         506357       could       ca       0.890284         1152685       ca       could       0.890284               1509130       facilities       in       -0.361261         1199114       in       facilities       -0.361261         738227       for       Facilities       -0.362232         31003       Facilities       for       -0.362232         1851208       larger       is       -0.363472         1175816       is       larger       -0.363472         1301012       must       -       -0.363726         689284       -       must       -0.365534         739147       for       Facilities       for       -0.365534         73978       with       Facilities       -0.375959		507081	not	nt	0.891237
1676015       nt       not       0.891232         506357       could       ca       0.890284         1152685       ca       could       0.890284               1509130       facilities       in       -0.361261         1199114       in       facilities       -0.362232         31003       Facilities       for       -0.362232         1851208       larger       is       -0.363472         1175816       is       larger       -0.363472         1301012       must       -       -0.363726         689284       -       must       -0.365534         739147       for       Facilities       for       -0.365534         739147       for       Facilities       -0.375959		237201	nt	not	0.891237
506357       could       ca       0.890284         1152685       ca       could       0.890284               1509130       facilities       in       -0.361261         1199114       in       facilities       -0.361261         738227       for       Facilities       -0.362232         31003       Facilities       for       -0.362232         1851208       larger       is       -0.363472         1175816       is       larger       -0.363472         1301012       must       -       -0.363726         689284       -       must       -0.365534         739147       for       Facilities       for       -0.365534         73978       with       Facilities       -0.375959		229735	not	nt	0.891232
1152685 ca could 0.890284 1509130 facilities in -0.361261 1199114 in facilities -0.361261 738227 for Facilities -0.362232 31003 Facilities for -0.362232 1851208 larger is -0.363472 1175816 is larger -0.363472 1301012 must0.363726 689284 - must -0.363726 1305203 Facilities for -0.365534 739147 for Facilities -0.365534 738778 with Facilities -0.375959		1676015	nt	not	0.891232
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738227 for Facilities -0.362232 31003 Facilities for -0.362232 1851208 larger is -0.363472 1175816 is larger -0.363472 1301012 must0.363726 689284 - must -0.363726 1305203 Facilities for -0.365534 739147 for Facilities -0.365534 738778 with Facilities -0.375959		1509130	facilities	in	-0.361261
31003 Facilities for -0.362232 1851208 larger is -0.363472 1175816 is larger -0.363472 1301012 must0.363726 689284 - must -0.363726 1305203 Facilities for -0.365534 739147 for Facilities -0.365534 738778 with Facilities -0.375959		1199114	in	facilities	-0.361261
31003 Facilities for -0.362232 1851208 larger is -0.363472 1175816 is larger -0.363472 1301012 must0.363726 689284 - must -0.363726 1305203 Facilities for -0.365534 739147 for Facilities -0.365534 738778 with Facilities -0.375959		738227		Facilities	-0.362232
1851208       larger       is       -0.363472         1175816       is       larger       -0.363472         1301012       must       -       -0.363726         689284       -       must       -0.363726         1305203       Facilities       for       -0.365534         739147       for       Facilities       -0.365534         738778       with       Facilities       -0.375959		31003	Facilities	for	-0.362232
1175816       is       larger       -0.363472         1301012       must       -       -0.363726         689284       -       must       -0.363726         1305203       Facilities       for       -0.365534         739147       for       Facilities       -0.365534         738778       with       Facilities       -0.375959		1851208	larger	is	-0.363472
1301012       must       -       -0.363726         689284       -       must       -0.363726         1305203       Facilities       for       -0.365534         739147       for       Facilities       -0.365534         738778       with       Facilities       -0.375959		1175816	•	larger	-0.363472
689284 - must -0.363726 1305203 Facilities for -0.365534 739147 for Facilities -0.365534 738778 with Facilities -0.375959		1301012		-	
1305203       Facilities       for -0.365534         739147       for Facilities -0.365534         738778       with Facilities -0.375959			-	must	
739147 for Facilities -0.365534 738778 with Facilities -0.375959			Facilities	for	
738778 with Facilities -0.375959					
		794138	Facilities	with	-0.375959

433013	,	part	-0.377315
1237117	part	,	-0.377315
1145928	Facilities	for	-0.377583
739032	for	Facilities	-0.377583
739331	with	Facilities	-0.383096
1560043	Facilities	with	-0.383096
1016817	members	considered	-0.383660
315129	considered	members	-0.383660
738626	with	Facilities	-0.385675
583618	Facilities	with	-0.385675
738445	for	Facilities	-0.389710
332933	Facilities	for	-0.389710
739094	for	Facilities	-0.394835
1231798	Facilities	for	-0.394835
738458	against	Facilities	-0.402491
350938	Facilities	against	-0.402491
739042	against	Facilities	-0.410657
1159778	Facilities	against	-0.410657

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