cbs

March 5, 2022

```
[1]: import docx
     from simplify_docx import simplify
```

```
[2]: # read in a document
     my_doc = docx.Document("Analysis_Fire_12_30_21_CBS.docx")

     # coerce to JSON using the standard options
     my_doc_as_json = simplify(my_doc)
```

```
[3]: import pandas as pd
     pd.options.display.max_rows = 500
```

```
[4]: # my_doc_as_json

     import json
     with open('cbs2.json', 'w') as fp:
         json.dump(my_doc_as_json, fp)
```

```
[5]: # create a list of dicts(time, location, station, text)
     clean_data = []

     for blob in my_doc_as_json['VALUE'][0]['VALUE'][2:]:
         text_end = False
         count = 0
         key = f'text{count}'

         if blob['TYPE'] == 'table':
             time = blob['VALUE'][0]['VALUE'][0]['VALUE'][0]['VALUE'][0]['VALUE']
             location = blob['VALUE'][0]['VALUE'][1]['VALUE'][0]['VALUE'][0]['VALUE']
             station = blob['VALUE'][0]['VALUE'][2]['VALUE'][0]['VALUE'][0]['VALUE']

             # print(time, location, station)

         if blob['TYPE'] == 'paragraph':
             text = blob['VALUE'][0]['VALUE']
             text_end = True

         if text_end:
```

```
        clean_data.append({
            "time": time,
            "location": location,
            "station": station,
            "text": text
        })
        count += 1


print('done')
```

done

```
[6]:  # create dataframe
      cbs_df = pd.DataFrame.from_dict(clean_data)
```

```
[7]:  cbs_df['text'] = cbs_df['text'].str.lower()
```

```
[8]:  cbs_df.head()
```

```
[8]:                  time                  location station  \
      0  2021-12-30 6:49 PM        Phoenix (Prescott)    KPHO
      1  2021-12-30 6:48 PM        Phoenix (Prescott)    KPHO
      2  2021-12-30 6:37 PM          Ft. Myers-Naples    WINK
      3  2021-12-30 6:37 PM  Greensboro-H.Point-W.Salem  WFMY
      4     21-12-30 6:37 PM                   Atlanta    WGCL


                                                     text
      0  have been destroyed. ap, the associated press …
      1  kusa, the nbc affiliate in denver, this is in …
      2  several communities were evacuated because of …
      3  the evening ending overnight. several communit…
      4  the evening ending overnight. several communit…
```

```
[9]:  from words import CLIMATE_CHANGE_RELATED_WORDS

      import nltk
      nltk.download('stopwords')
      from nltk.corpus import stopwords
      stop_words=set(stopwords.words("english"))

      from wordcloud import STOPWORDS

      final_stopwords = list(STOPWORDS) + list(stop_words)
      final_stopwords = set(final_stopwords)
```

[nltk_data] Downloading package stopwords to /Users/loren/nltk_data…

```
[nltk_data]    Package stopwords is already up-to-date!
```

```python
[10]:  # remove duplicates
       from thefuzz import fuzz

       def duplicate_check(text):
           matches = cbs_df.apply(lambda row: (fuzz.partial_ratio(row['text'], text)
        >= 85), axis=1)
           return [i for i, x in enumerate(matches) if x]



       cbs_df['matches'] = cbs_df.apply(lambda row: duplicate_check(row['text']),
        axis=1)
```

```python
[11]:  #cbs_df[cbs_df['use_row'].isnull()]


       def fetch_biggest_text(idx_list):
           biggest_length = 0
           idx = None

           if len(idx_list) == 1:
               return idx_list[0]

           for i in idx_list:
               current_length = len(cbs_df['text'][i])
               if current_length > biggest_length:
                   biggest_length = current_length
                   idx = i
           return idx

       fetch_biggest_text(cbs_df['matches'][2])
```

```
[11]:  14
```

```python
[12]:  cbs_df['row_to_use'] = cbs_df.apply(lambda row:
        fetch_biggest_text(row['matches']), axis=1)
```

```python
[13]:  # cbs_df.loc[cbs_df['matches'].str.len() == 1, 'use_row'] = True
       # cbs_df['use_row']

       idxs = list(cbs_df['row_to_use'].unique())

       for index, row in cbs_df.iterrows():
           # print(index in idxs)
           cbs_df.at[index,'use_row'] = index in idxs

       # getting unique:
```

```python
# get the first value in the matches list if len is 1
# else for duplicates, get the longest text, grab that index
```

```python
[14]: no_dup_cbs_df = cbs_df[cbs_df['use_row']]
      no_dup_cbs_df
```

```
[14]:                    time              location  station  \
      0    2021-12-30 6:49 PM      Phoenix (Prescott)     KPHO
      1    2021-12-30 6:48 PM      Phoenix (Prescott)     KPHO
      14   2021-12-30 6:37 PM            Portland, OR     KOIN
      38   2021-12-30 6:12 PM  Sacramnto-Stkton-Modesto   KOVR
      39   2021-12-30 6:20 PM  Sacramnto-Stkton-Modesto   KOVR
      41   2021-12-30 6:00 PM  Sacramnto-Stkton-Modesto   KOVR
      42   2021-12-30 5:59 PM  Sacramnto-Stkton-Modesto    KOV
      43   2021-12-30 5:55 PM         Ft. Myers-Naples    WINK
      44   2021-12-30 5:44 PM               Baltimore     WJZ
      45   2021-12-30 5:44 PM               Baltimore     WJZ
      47   2021-12-30 5:43 PM          Seattle-Tacoma    KIRO
      65   2021-12-30 5:34 PM              Pittsburgh    KDKA
      66   2021-12-30 5:31 PM  Sacramnto-Stkton-Modesto   KOVR
      67   2021-12-30 5:17 PM                   Tulsa    KOTV
      68   2021-12-30 5:14 PM            Portland, OR    KOIN
      69   2021-12-30 5:12 PM               San Diego    KFMB
      71   2021-12-30 5:06 PM      Phoenix (Prescott)     KPHO
      72   2021-12-30 5:04 PM  Sacramnto-Stkton-Modesto   KOVR
      73   2021-12-30 5:02 PM  Sacramnto-Stkton-Modesto   KOVR
      74   2021-12-30 5:01 PM  Sacramnto-Stkton-Modesto   KOVR

                                                       text  \
      0     have been destroyed. ap, the associated press …
      1      kusa, the nbc affiliate in denver, this is in …
      14     the rain will continue through the evening end…
      38     tracking the devastating fires in colorado and…
      39     here we have evacuations. i will tell you a li…
      41     about. we just talked about the hospital where…
      42     together. this house, burning to the ground. 3…
      43     rubenstein law, injured in a car accident or s…
      44                             e2021-12-30 5:44 pm
      45     wildfire-that engulfed parts of the area. in a…
      47     outside of denver have been told to evacuate. …
      65     they are calling this now the marshall-fire-an…
      66     signatures, here. this is where we have had fl…
      67     sun. morning satellite imagery right now we ha…
      68     >> to breaking news now, this is a live look i…
      69     thousands of people have been ordered to evacu…
      71     into the central rockies, and it is a dangerou…
      72     we couple that with relative humidity anywhere…
```

```
73  much damage will be assessed as well. >> we st…
74  >> the-fire-crews now left the scene knowing t…
```

	matches	row_to_use	use_row
0	[0]	0	True
1	[1]	1	True
14	[2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 1…	14	True
38	[38]	38	True
39	[39]	39	True
41	[41]	41	True
42	[42]	42	True
43	[43]	43	True
44	[44]	44	True
45	[45, 46]	45	True
47	[47]	47	True
65	[65]	65	True
66	[66]	66	True
67	[67]	67	True
68	[68]	68	True
69	[69]	69	True
71	[71]	71	True
72	[72]	72	True
73	[73]	73	True
74	[74]	74	True

[ ]:

[15]:
```python
# breakdown words - unique words only
no_dup_cbs_df['words'] = no_dup_cbs_df['text'].str.lower().str.replace(',', '').
 ↪str.replace('>','').str.replace('.','').str.replace('\n','').str.
 ↪replace(''','"'").str.replace('!','').str.replace('?','').str.replace('%','').
 ↪str.replace(')','').str.replace('(','').str.replace('_','').str.replace(':
 ↪','').str.strip().str.split(' ')

def clean_text(words):
    # text.replace(',', '').replace('>','').replace('.','').replace('\n','').
 ↪replace(''','"'").replace('!','').replace('?','').replace('%','').
 ↪replace(')','').replace('(','').replace('_','').replace(':','')
    # words = text.split(' ')

    for word in words:
        if word.isdigit():
            words.pop(words.index(word))

    return words
```

5

```
no_dup_cbs_df.apply(lambda row: clean_text(row['words']), axis=1)
```

/Users/loren/.pyenv/versions/3.7.4/lib/python3.7/site-
packages/ipykernel_launcher.py:2: FutureWarning: The default value of regex will
change from True to False in a future version. In addition, single character
regular expressions will *not* be treated as literal strings when regex=True.

/Users/loren/.pyenv/versions/3.7.4/lib/python3.7/site-
packages/ipykernel_launcher.py:2: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-
docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy

```
[15]:  0      [have, been, destroyed, ap, the, associated, p…
       1      [kusa, the, nbc, affiliate, in, denver, this, …
       14     [the, rain, will, continue, through, the, even…
       38     [tracking, the, devastating, fires, in, colora…
       39     [here, we, have, evacuations, i, will, tell, y…
       41     [about, we, just, talked, about, the, hospital…
       42     [together, this, house, burning, to, the, grou…
       43     [rubenstein, law, injured, in, a, car, acciden…
       44                                    [e2021-12-30, pm]
       45     [wildfire-that, engulfed, parts, of, the, area…
       47     [outside, of, denver, have, been, told, to, ev…
       65     [they, are, calling, this, now, the, marshall-…
       66     [signatures, here, this, is, where, we, have, …
       67     [sun, morning, satellite, imagery, right, now,…
       68     [to, breaking, news, now, this, is, a, live, l…
       69     [thousands, of, people, have, been, ordered, t…
       71     [into, the, central, rockies, and, it, is, a, …
       72     [we, couple, that, with, relative, humidity, a…
       73     [much, damage, will, be, assessed, as, well, ,…
       74     [the-fire-crews, now, left, the, scene, knowin…
       dtype: object
```

[ ]:

[ ]:

```
[16]:  # compile the list of unique words, get that count
       total_words = no_dup_cbs_df['words'].str.len().sum()
       total_words
```

[16]: 2757

```python
[ ]:

[17]: unique_words_found = set()
      for chunk in no_dup_cbs_df['words']:
          for word in chunk:
              unique_words_found.add(word)

      total_unique_words =  len(unique_words_found)
      total_unique_words
```

[17]: 823

```python
[ ]:

[18]: # run lemmatization clean
      # tokenize filtered word list for frequency distribution
      from nltk.tokenize import word_tokenize
      nltk.download('punkt')

      #Lexicon Normalization
      # Lemmatization -- distill to root words

      nltk.download('wordnet')
      nltk.download('omw-1.4')
      nltk.download('averaged_perceptron_tagger')
      from nltk.stem import WordNetLemmatizer
      lem = WordNetLemmatizer()

      lemma_list = []
      for word, tag in nltk.pos_tag(unique_words_found):
          wntag = tag[0].lower()
          wntag = wntag if wntag in ['a', 'r', 'n', 'v'] else None
          if not wntag:
              lemma = word
          else:
              lemma = lem.lemmatize(word, pos=wntag)
          lemma_list.append(lemma)
      len(lemma_list)
```

```
[nltk_data] Downloading package punkt to /Users/loren/nltk_data…
[nltk_data]    Package punkt is already up-to-date!
[nltk_data] Downloading package wordnet to /Users/loren/nltk_data…
[nltk_data]    Package wordnet is already up-to-date!
[nltk_data] Downloading package omw-1.4 to /Users/loren/nltk_data…
[nltk_data]    Package omw-1.4 is already up-to-date!
[nltk_data] Downloading package averaged_perceptron_tagger to
[nltk_data]       /Users/loren/nltk_data…
[nltk_data]    Package averaged_perceptron_tagger is already up-to-
```

```
[nltk_data]        date!
```
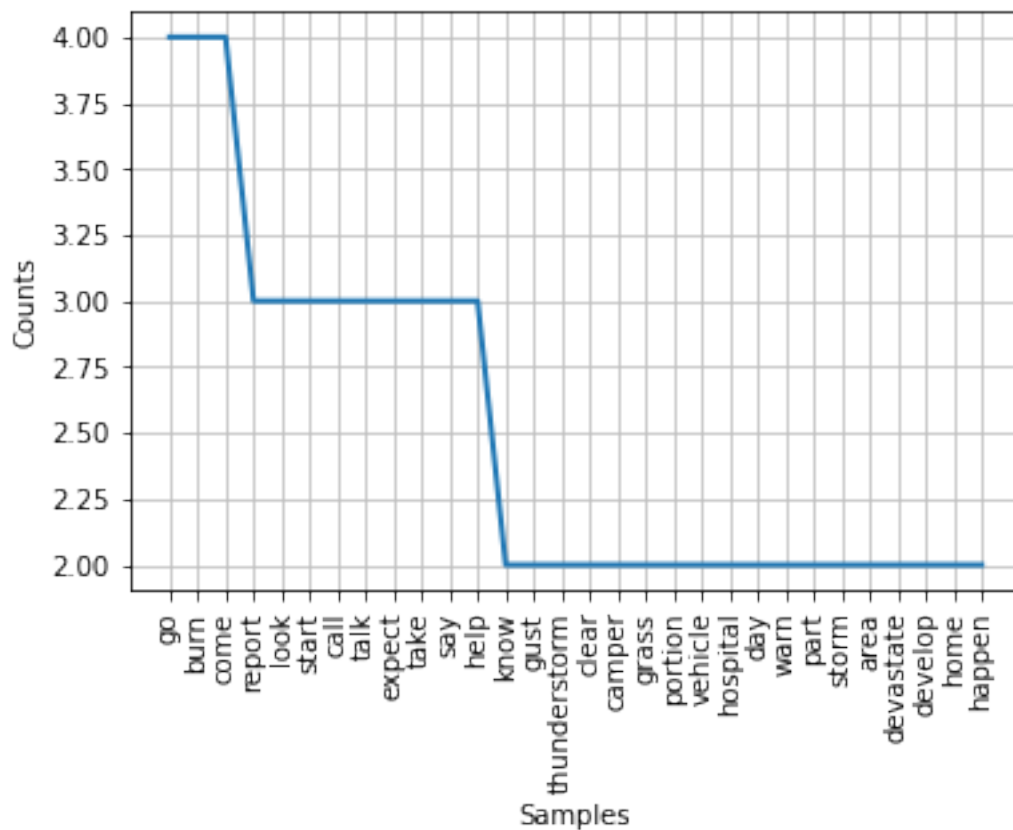
[18]: 823

[19]:
```python
from nltk.probability import FreqDist
# no stopwords
clean_lemma_list = []

for word in lemma_list:
    if word not in final_stopwords:
        clean_lemma_list.append(word)
len(clean_lemma_list)


# graph frequence distributions of lemma words
lfdist = FreqDist(clean_lemma_list)
print(lfdist)

import matplotlib.pyplot as plt
lfdist.plot(30,cumulative=False)
plt.show()
```

```
<FreqDist with 633 samples and 706 outcomes>
```

```
[20]: # lfdist
      len(clean_lemma_list)

[20]: 706

[ ]:

[21]: from wordcloud import WordCloud
      from wordcloud import ImageColorGenerator
      from wordcloud import STOPWORDS
      import matplotlib.pyplot as plt

      wordcloud = WordCloud(width = 3000, height = 2000, random_state=1,
       ↪background_color='black', colormap='Set2', collocations=False, stopwords =
       ↪final_stopwords).generate_from_frequencies(lfdist)

      # Plot
      plt.figure( figsize=(15,10))
      plt.imshow(wordcloud, interpolation='bilinear')
      plt.axis("off")
      plt.show()

      #plt.savefig('word_cloud.png')
```

```
[ ]:

[ ]:

[22]: import pandas as pd
      pd.options.display.max_rows = 500
      words_df = pd.DataFrame(lfdist.items(), columns=['Word', 'Count'])

      words_df.sort_values(by=['Count'], ascending=False, inplace=True)
      len(words_df)
      # 1374 total words

      words_df['Count'].sum()

      # create data
      climate_change_words_df = words_df.loc[words_df['Word'].
       ↪isin(CLIMATE_CHANGE_RELATED_WORDS)]

      climate_words_count = climate_change_words_df['Count'].sum()
      non_climate_words_count = words_df['Count'].sum() - climate_words_count

      comparison_df = pd.DataFrame({'Words': ['Climate-related', 'Non␣
       ↪Climate-related'],
                                    'counts': [climate_words_count,␣
       ↪non_climate_words_count]})
      comparison_df.set_index('Words', inplace=True)
      print(comparison_df)

      plot = comparison_df.plot.pie(y='counts', title="Climated-related vs non␣
       ↪climated-related word frequencies", legend=True, autopct='%1.1f%%',␣
       ↪shadow=True, figsize=(8, 8))

      fig = plot.get_figure()
      fig.savefig("comparison.png")
```
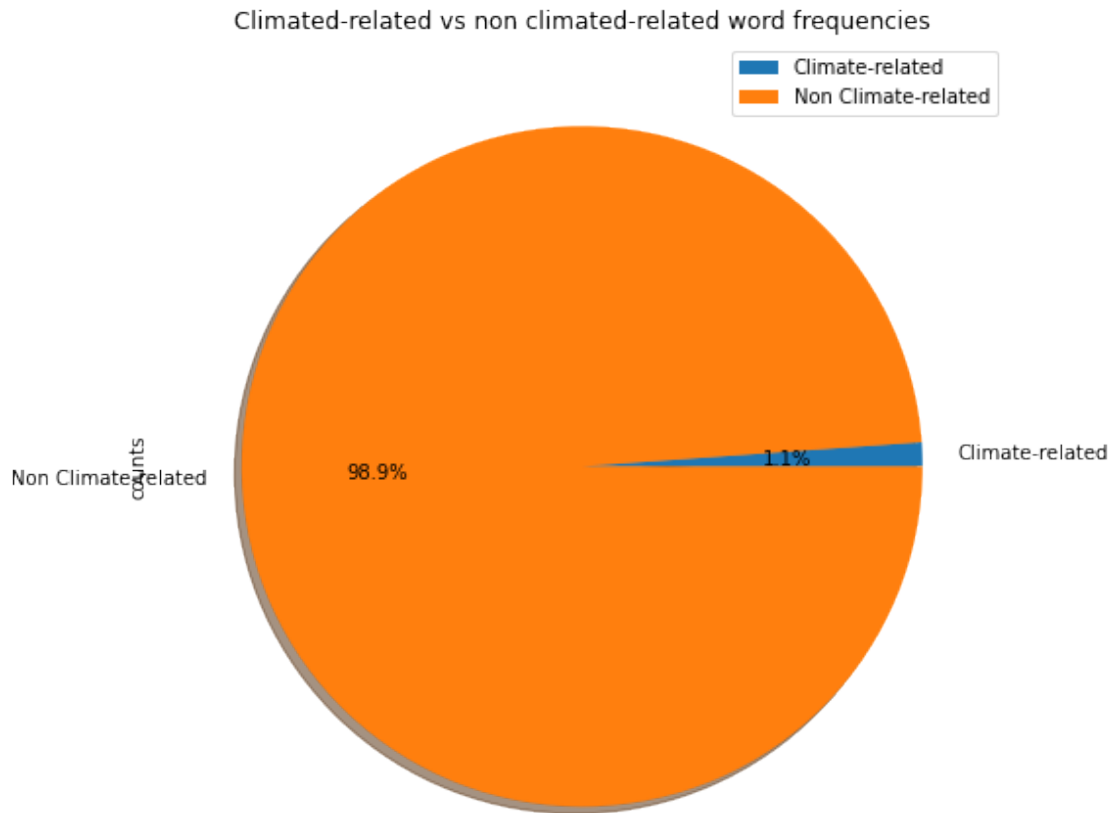
```
                        counts
Words
Climate-related              8
Non Climate-related        698
```

Climated-related vs non climated-related word frequencies
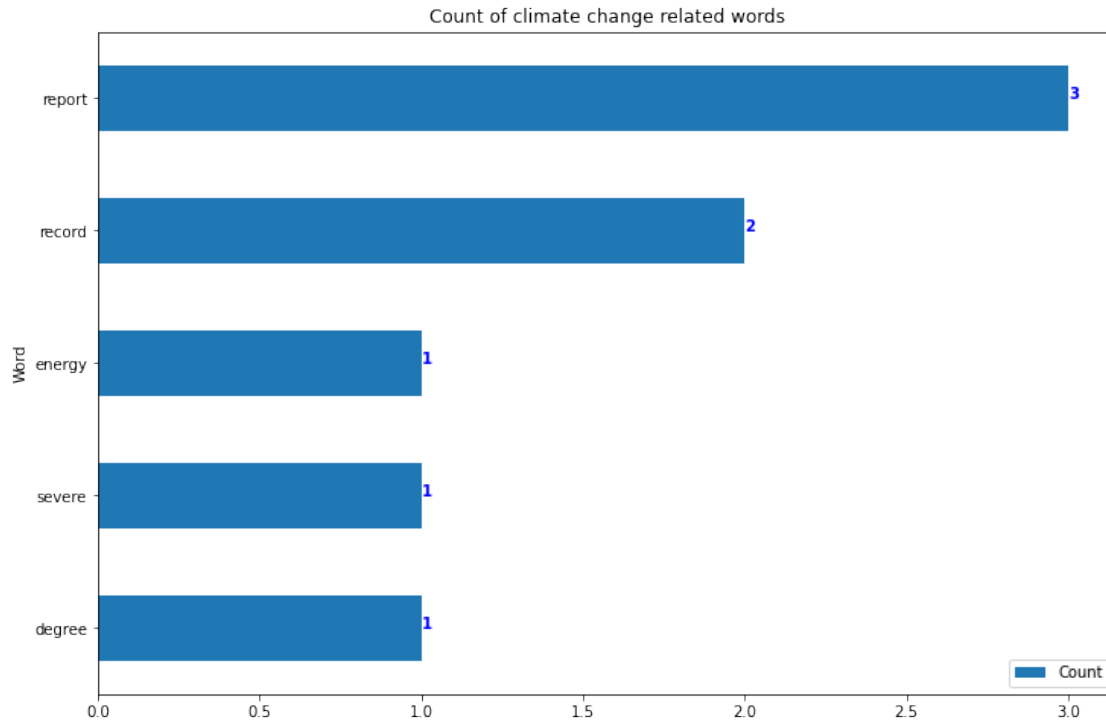


```
[23]:  # find climate related word frequencies

       # set figure size
       fig, ax = plt.subplots(figsize=(12, 8))
       # plot horizontal bar plot
       climate_change_words_df.sort_values(by='Count').plot.barh(x="Word", y="Count",␣
         ↪ax=ax)
       # set the title
       plt.title("Count of climate change related words")

       for i, v in enumerate(climate_change_words_df['Count'].sort_values()):
           ax.text(v, i , str(v),
                   color = 'blue', fontweight = 'bold')

       plt.show()
       # plt.savefig('climate-related-words-breakdown.png', transparent=False)
```

Count of climate change related words

[ ]:

[24]:
```python
# find segments

climate_change_words_found = list(climate_change_words_df['Word'].unique())
climate_change_words_found

climate_change_words_found_str = '(?i)|'.join(climate_change_words_found)
climate_change_words_found_str = '(?i)' + climate_change_words_found_str
climate_change_words_found_str
```

[24]: '(?i)report(?i)|record(?i)|degree(?i)|severe(?i)|energy'

[25]:
```python
pd.set_option("display.max_colwidth", -1)
```

/Users/loren/.pyenv/versions/3.7.4/lib/python3.7/site-packages/ipykernel_launcher.py:1: FutureWarning: Passing a negative integer is deprecated in version 1.0 and will not be supported in future version. Instead, use None to not limit the column width.
  """Entry point for launching an IPython kernel.

[26]:
```python
no_dup_cbs_df['text'] = no_dup_cbs_df['text'].str.lower()
```

/Users/loren/.pyenv/versions/3.7.4/lib/python3.7/site-packages/ipykernel_launcher.py:1: SettingWithCopyWarning:

```
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-
docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy
  """Entry point for launching an IPython kernel.
```

[ ]:

[29]:
```python
climate_change_related_df =  no_dup_cbs_df[no_dup_cbs_df['text'].str.lower().
 ↪str.contains(climate_change_words_found_str)]
climate_change_related_df.loc[:, 'time':'text']
```

[29]:
```
                    time                  location station  \
0    2021-12-30 6:49 PM  Phoenix (Prescott)          KPHO
1    2021-12-30 6:48 PM  Phoenix (Prescott)          KPHO
14   2021-12-30 6:37 PM  Portland, OR                KOIN
41   2021-12-30 6:00 PM  Sacramnto-Stkton-Modesto    KOVR
45   2021-12-30 5:44 PM  Baltimore                   WJZ
65   2021-12-30 5:34 PM  Pittsburgh                  KDKA
66   2021-12-30 5:31 PM  Sacramnto-Stkton-Modesto    KOVR
67   2021-12-30 5:17 PM  Tulsa                       KOTV
68   2021-12-30 5:14 PM  Portland, OR                KOIN
69   2021-12-30 5:12 PM  San Diego                   KFMB
71   2021-12-30 5:06 PM  Phoenix (Prescott)          KPHO
73   2021-12-30 5:02 PM  Sacramnto-Stkton-Modesto    KOVR


                                                              text
0    have been destroyed. ap, the associated press is reporting the number at 580
homes. there are no deaths or injuries reported yet, but the evacuations
happened so fast, they believe that people were caught unfortunately in this
fast moving brushfire. again, let me give you the location of this-fire-and what
has changed within the last 20 minutes. denver, colorado, i-25, i-70. this, to
you and me looks like rain and snow. it's not. this is the smoke plume from the
fires. remember how we can measure on radar the smoke plumes on our big fires.
this is a smoke plume. here's the fire, northwest of denver, look how long the
smoke plume is stretching, 92 miles. this is a big national story developing
right in front of us here. there's denver, superior, the town that was
evacuated, that's roughly 18 miles and the fire
1    kusa, the nbc affiliate in denver, this is in jefferson and boulder
counties, these are areas and communities northwest of denver, roughly about 20
miles northwest of denver. what has happened up there is the weather turned
pretty windy. when i say pretty windy, wind gusts 80 to 100 miles an hour. this
is the foothills area of colorado. not up in the rockies. it's the very wide
ranging grasslands. what happened was they believe winds knocked down power
lines, caught the grasses on-fire-and it's been amazingly dry up there all
november and much of december, and being if, this went off like a tinderbox.
```

it's grown to 1600 acres. we've had two towns evacuated and we're now getting reports from the sheriff's departments of jefferson and boulder counties that hundreds of homes

14 the rain will continue through the evening ending overnight. several communities were evacuated because of flooding like this, and the risk of mudslides, major. >> garrett: jonathan vigliotti, thank you. so, what's next? we turn to cbs' lonnie quinn with the forecast. lonnie, good evening. >> reporter: good evening to you, major.u, maj toughest weather anywhere in the country in colorado today. the strongest wind gust 115 miles per hour. currently the winds are gusting around 60 miles an hour, down to the 50s, 40 miles per hour through the overnight hours. still it's really hard to fight any-fire-burning out there and no help from mother nature. more wind than rain. where the rain is falling from georgia to south carolina, severe thunderstorm threat for that area until 9:00 p.m. what about new year's eve? new year's eve, i'm going to focus from nashville to memphis, over to arkansas. new year's eve, that's where you have a risk for severe weather. all the while into nears day, snowfall anywhere from kansas city through portions of the great lakes, detroit is cold as

41 about. we just talked about the hospital where the evacuation happened. you can see, this is the hospital right here in these red spots behind it is where we >> the shopping center right here, there is a target store, and there are reports that the target store is gone as well as a hotel and shopping center and you see all of these homes around here and these were on fire. the mayor of superior, he has been quoted as saying, our town is burning around us, and the sheriff their reporting a very dire situation as the fire burns into the night. but there is a winter storm warning going into effect tomorrow morning and we could have 5 to 10 inches of snow in this area by saturday. >>> here at home after spending days in the dark, power is back

45 wildfire-that engulfed parts of the area. in all, more than 30,000 people have been told to get to safety. gusty winds are fueling the massive fires which comes after the official and to wildfire season. so far, no one has been hurt. >>> police in north carolina are looking for the gunman who opened-fire-at a high school basketball tournament. two teens were wounded when the shots were fired inside the lobby here in salisbury. more than 400 people were in the gym when it happened, the rest of the tournament has been canceled, no word on a motive for the shooting. >>> today president biden held a second call with russian president vladimir putin this month. thousands of russian troops have gathered along ukraine's border for a possible military invasion. the u.s. has warned of consequences. here is skyler henry. >> reporter: president biden held thursday's protocol at the request of russian president vladimir put in. at the top of the agenda, de- escalating tensions along using's porter were as many as 90,000 russian troops are gathered. >> i would assume this is an

65 they are calling this now the marshall-fire-and we're told it just crossed a major highway. you can see that smoke there in the background. strong winds are fueling the flames. so far we do not have any word of any injuries. >>> many people like to hone their cooking skills during the holidays, but experts say some commonly used ingredients could contain some harmful heavy chemicals. here's the explanation. >> reporter: most of us add spices to our foods without

much thought, but there could be problems with some of them. >> of all the spices we investigated one-third of them had concerning levels of heavy metals, lead, cadmium or arsenic. >> reporter: chief scientific officer james dickerson says consumer reports tested 126 herbs and spices from 38 different companies. in every brand of oregano and thyme concerning levels of

66 signatures, here. this is where we have had flames in the past six hours. you can see here, superior, look at this area. this is the area that is devastated with 580 structures gone. you can see these communities, down here, where we have been watching pictures of the homes burning. that's where we pull out, wide. we have more communities that are also threatened. we know evacuations are in place in bloomfield and louisville, here. we also have evacuations. so, boulder, colorado is here, north and west of the fire. we have heard of evacuations in the southern part of older, colorado. so, tomorrow, we are expanding expecting a winter snow warning and it could be 5 to 10 inches of snow. looking ahead to our fire season, we are looking and wondering, is all the snow and rain with records in september, is that a record?

67 sun. morning satellite imagery right now we have one system out to the southwest all over the ocean but starting to turn up a lot of energy and a lot of moisture bringing that right over oklahoma so the clouds have been picking up over the course of the day the mid to high up mid to high level clouds and then on satellite right here is that-fire-that i told you about the beginning of the newscast is a very large fire. 2 of them but one doing significantly more damage on the north side of denver's just southeast of boulder and so there's quite a bit of structure damage. it's a dangerous situation for those guys if you know anybody that lives on the north side of denver. you might check in all right then for tomorrow night the storm system coming in is going to start to develop showers thunderstorms some of which could be strong to severe so this is our storm zone for late fri. night early sat. morning. all modes of severe weather will be possible so large hail damaging winds and the tornado risk is low, but still it's there and we'll be watching closely. highest probability of strong to severe storms will be across pittsburgh over to le flore county, southern sequoyah

68 >> to breaking news now, this is a live look in northern colorado with more than 30,000 people have been told to evacuate because the wildfires in late december, the city of lewisville, the town of superior have all been ordered to evacuate. both towns are about 20 miles northwest of denver. the sheriff says hundreds of homes have been destroyed. we're told some of the-fire-started from power lines that came down driven by high winds. >> covid cases in the u.s. are at their highest level on record. that's forcing some to rethink their new year's eve plans. michael george is in times square where the celebration has been scaled back. >> 2021 is going out with a as

69 thousands of people have been ordered to evacuate because of wind fueled wildfires. twenty one thousand people in fact were told to leave the community of louisville today. thirteen thousand people in neighboring superior were also ordered to evacuate. the two towns are roughly 20 miles northwest of denver, a nearby portion of us highway thirty six also were shut down because of-fire- winds in that area as you can see from some of this video are gusting up to one

hundred and five miles an hour back here in california, winter storms have
brought heavy rain and mudslides. this was the scene at a campground in malibu
today where several campers got trapped by floodwaters. l.a. county-fire-crews
are called to help get those people to higher ground. one camper says they saw
crews helping a mother and her baby into a boat. meanwhile up in the mountains,
california is collecting a whole lot of snow. photojournalist colin murphy
talked with news8 shannon handy who is caught up in the record breaking snow as
she and her family vacation in
71 into the central rockies, and it is a dangerous wind event today. i know
jared has been updating you on that on going grass fire in boulderer county,
colorado. we have winter storm warnings and advisories in effect for above 6,000
people in flagstaff. they go through saturday morning 5:00 a.m. taking a look at
the active radar. we have showers in the tucson area. in the southwestern corner
of the county, just north and west of aho just a little bit of rain falling,
hopefully making its way to the ground. it's not a pine cone. it's not a
tortilla chip, but your forecast is 52 degrees with scattered rain showers. if
you'rous you're going to be getting wet through friday
73 much damage will be assessed as well. >> we stand corrected. we are going to
take it from a reporter on the scene, that count is pronounced louisville. you
see the people evacuated and you can see the ash and debris burning all around
the vehicles. you can see just the smoke and what it does when you look up
towards the sun. while we are talking about extreme drought conditions, we are
talking about the low humidity's and things we see around here in the summer. it
is pretty wild to think that a winter storm warning is issued for the same area.
starting tomorrow morning, the national weather service there i am reading here
says that we can expect 5 to 10 inches of snow by saturday. >> we have a lot of
interesting elements going on with this fire. first of all, you can see how
tightly packed our lines hard.

[ ]:

[ ]:

[272]:
```python
# import difflib

# #cbs_df['duplicate'] = cbs_df['text'].eq(cbs_df['text'].shift())
# #difflib.get_close_matches(cbs_df['text'][0], cbs_df['text'])

# texts = ['dog', 'cat', 'mad cat', 'good dog', 'bad dog', 'chicken']
# fuzz.ratio('dog', texts)


# for i, value in enumerate(texts):
#     print('**', value)
#     print(i)
#     new_list = texts[i+1:] + texts[:i]
#     print(new_list)
```

```
#      for word in new_list:
#          ratio = fuzz.partial_ratio(value, word)
#          if ratio >= 85:
#              print(ratio, value, word)
```