

CodesForNewsAPI

March 21, 2024

1 Here's the code getting news articles data from NewsAPI:

```
[48]: import requests
import json
import pandas as pd
```

1.1 Get news articles whose title contains US/American farms

```
[49]: End = "https://newsapi.org/v2/everything?"
URLPost = {'apiKey': '1bf8cd7388514126988c7abd1ea5970e',
           'qInTitle': '(US farms) OR (US farm) OR (American farms) OR (American farm)',
           'pageSize': 100,
           'sortBy': 'popularity'
          }
news_response = requests.get(End, URLPost)
jsontxt_news= news_response.json()
title_news_df=pd.json_normalize(jsontxt_news['articles'])
print(title_news_df.head(5))
title_news_df.to_csv("NewsTitle9_13.csv", mode='w')
```

```
author \
0      Exuperist
1      by Melissa Sanchez
2      Juan Cole
3      None
4  Dave Malkoff, Amy Corral, Ryan Beard, Scott Ph...
```

```
title \
0  These Charts Show How Big US Factory Farms Rea...
1  How a Fire on a Dairy Farm Led Us to More Than...
2  First US Offshore Wind Farm goes Live off Long...
3      [Removed]
4  American farms may put AI-powered drones and r...
```

```
description \
0  How large are US factory farms really? Accordi...
1  by Melissa Sanchez \n \n\n \n \n ProPublica is...
```

```

2 Ann Arbor (Informed Comment) - This past week,...
3                                     [Removed]
4 Nearly 2 million farmworkers help put food on ...

```

```

                                url \
0 https://www.neatorama.com/2024/02/28/These-Cha...
1 https://www.propublica.org/article/how-dairy-f...
2 https://www.juancole.com/2024/03/offshore-chea...
3                                     https://removed.com
4 https://www.cbsnews.com/news/farming-goes-high...

```

```

                                urlToImage          publishedAt \
0 https://uploads.neatorama.com/images/posts/479... 2024-02-28T14:30:24Z
1 https://img.assets-d.propublica.org/v5/images/... 2024-02-29T10:00:00Z
2 https://media.juancole.com/images/2024/03/firs... 2024-03-17T05:32:05Z
3                                     None 1970-01-01T00:00:00Z
4 https://assets1.cbsnewsstatic.com/hub/i/r/2024... 2024-03-19T13:01:11Z

```

```

                                content source.id      source.name
0 How large are US factory farms really? Accordi...      None Neatorama.com
1 ProPublica is a nonprofit newsroom that invest...      None ProPublica
2 Ann Arbor (Informed Comment) - This past week,...      None Juancole.com
3                                     [Removed]          None [Removed]
4 The fruits and vegetables you eat may soon be ... cbs-news      CBS News

```

```

[50]: End = "https://newsapi.org/v2/everything?"
URLPost = {'apiKey': '1bf8cd7388514126988c7abd1ea5970e',
           'qInTitle': '(organic farm) OR (organic product) OR (organic_
↪market)',
           'pageSize': 100,
           'sortBy': 'popularity'
          }
news_response = requests.get(End, URLPost)
jsontxt_news= news_response.json()
title_news_df=pd.json_normalize(jsontxt_news['articles'])
print(title_news_df.head(5))
title_news_df.to_csv("NewsTitle_OrganicFarm9_13.csv", mode='w')

```

```

                                author \
0                                     Colin Coyle
1 Yongning Ma, Peihan Wu, Mengting Ku, Mingyuan ...
2                                     tipranks.com
3 SkyQuest Technology Consulting Pvt. Ltd.
4 Research and Markets

```

```

                                title \
0 What makes the Happy Pear unhappy? Building a ...
1 Organic pollutant degradation for micro-molecu...

```

2 Argo Living Soils Advances in Organic Fertiliz...
 3 Organic Skincare Market Set to Soar Past USD 2...
 4 \$8.8 Bn Soil Conditioners (Organic {Polysaccha...

description \
 0 Plus: Jack Crowley's financial conversion, arc...
 1 RSC Adv., 2024, 14,6727-6737DOI: 10.1039/D3RA0...
 2 https://www.tipranks.com/news/company-announce...
 3 The global Organic Skincare market size is exp...
 4 Dublin, March 13, 2024 (GLOBE NEWSWIRE) -- The...

url \
 0 https://www.irishtimes.com/ireland/2024/03/09/...
 1 https://pubs.rsc.org/en/content/articlelanding...
 2 https://biztoc.com/x/248679446cd2f572
 3 https://www.globenewswire.com/news-release/202...
 4 https://www.globenewswire.com/news-release/202...

	urlToImage	publishedAt
0	https://www.irishtimes.com/resizer/JqZRmmqNxs1...	2024-03-09T06:00:00Z
1	https://pubs.rsc.org/en/Content/Image/GA/D3RA0...	2024-02-23T00:00:00Z
2	https://c.biztoc.com/p/248679446cd2f572/s.webp	2024-03-05T14:45:33Z
3	https://ml.globenewswire.com/Resource/Download...	2024-02-23T08:42:00Z
4	https://ml.globenewswire.com/Resource/Download...	2024-03-13T14:10:00Z

	content	source.id
0	The Happy Pear crew arent so happy this week. ...	the-irish-times
1	Y. Ma, P. Wu, M. Ku, M. Guo, Y. Yang, X. Li an...	None
2	https://www.tipranks.com/news/company-announce...	None
3	Westford,USA, Feb. 23, 2024 (GLOBE NEWSWIRE) -...	None
4	Dublin, March 13, 2024 (GLOBE NEWSWIRE) -- The...	None

	source.name
0	The Irish Times
1	Royal Society of Chemistry
2	Biztoc.com
3	GlobeNewswire
4	GlobeNewswire

1.2 Get news article content about organic farm/market/food

```
[ ]: End = "https://newsapi.org/v2/everything?"
URLPost = {'apiKey': '1bf8cd7388514126988c7abd1ea5970e',
           'q': '(organic farm) OR (organic product) OR (organic market)',
           'pageSize': 100,
           'sortBy': 'popularity'
          }
```

```

news_response = requests.get(End, URLPost)
jsontxt_news= news_response.json()
title_news_df=pd.json_normalize(jsontxt_news['articles'])
print(title_news_df.head(5))
title_news_df.to_csv("NewsContent_OrganicFarm9_13.csv", mode='w')

```

1.3 Get news article content about US/American farms

```

[52]: End = "https://newsapi.org/v2/everything?"
URLPost = {'apiKey': '1bf8cd7388514126988c7abd1ea5970e',
           'q': '(US farms) OR (US farm) OR (American farms) OR (American_
↪farm)',
           'pageSize': 100,
           'sortBy': 'popularity'
          }
news_response = requests.get(End, URLPost)
jsontxt_news= news_response.json()
title_news_df=pd.json_normalize(jsontxt_news['articles'])
title_news_df.to_csv("NewsContent_USFarm9_13.csv", mode='w')

```

1.4 Get news article content about US/American farmers

```

[53]: End = "https://newsapi.org/v2/everything?"
URLPost = {'apiKey': '1bf8cd7388514126988c7abd1ea5970e',
           'q': '(US farmers) OR (American farmers)',
           'pageSize': 100,
           'sortBy': 'popularity'
          }
news_response = requests.get(End, URLPost)
jsontxt_news= news_response.json()
title_news_df=pd.json_normalize(jsontxt_news['articles'])
print(title_news_df.head(5))
title_news_df.to_csv("NewsContent_USFarmers9_13.csv", mode='w')

```

	author	title \
0	Ed Cara	What Ever Happened to Mad Cow?
1	Emmanuel Akinwotu	A new home for the African diaspora in Ghana s...
2	NPR	Red states that have resisted Medicaid expansi...
3	Kenneth Niemeyer	Droughts killed more than 12 million trees in ...
4	Alia Shoaib	Videos appear to show Russia using vulnerable ...

	description \
0	One of the most existentially frightening illn...
1	Ghana tried to create a haven for anyone from ...
2	More and more Southern states are talking abou...
3	Timber farmers are expected to lose \$96 millio...
4	A video appears to show Russia is using vulner...

```

                                url \
0 https://gizmodo.com/what-happened-to-mad-cow-d...
1 https://www.npr.org/2024/02/25/1225192589/a-ne...
2 https://www.npr.org/2024/02/21/1232859171/red-...
3 https://www.businessinsider.com/droughts-kille...
4 https://www.businessinsider.com/russian-army-c...

                                urlToImage                publishedAt \
0 https://i.kinja-img.com/image/upload/c_fill,h_... 2024-02-26T18:40:00Z
1 https://media.npr.org/assets/img/2024/01/20/im... 2024-02-25T10:00:49Z
2 https://media.npr.org/assets/img/2024/02/21/20... 2024-02-21T19:12:48Z
3 https://www.businessinsider.com/public/assets/... 2024-03-09T12:30:01Z
4 https://i.insider.com/65eb29c96080194819fdf288... 2024-03-09T11:00:32Z

                                content                source.id \
0 One of the most existentially frightening illn...      None
1 74-year-old Lenval Skiers at his home in Pan-A...      None
2 Aides to Gov. Brian Kemp recently sent word to...      None
3 Pine trees line a forest in rural Mississippi ...  business-insider
4 A screenshot from a video appearing to show Ru...  business-insider

                                source.name
0 Gizmodo.com
1 NPR
2 NPR
3 Business Insider
4 Business Insider

```

1.5 Get news article content about local/small farms

```

[54]: End = "https://newsapi.org/v2/everything?"
URLPost = {'apiKey': '1bf8cd7388514126988c7abd1ea5970e',
           'q': '(US local farms) OR (American small farms) OR (US local farms) OR (US small farms)',
           'pageSize': 100,
           'sortBy': 'popularity'
          }
news_response = requests.get(End, URLPost)
jsontxt_news= news_response.json()
title_news_df=pd.json_normalize(jsontxt_news['articles'])
print(title_news_df.head(5))
title_news_df.to_csv("NewsContent_USlocalFarms9_13.csv", mode='w')

```

```

                                author                title \
0 Catherine Boudreau  Gardeners are fuming about a study that found ...
1 Alia Shoaib        Videos appear to show Russia using vulnerable ...
2 TIME Staff         Full Transcript: Read President Joe Biden's 20...

```

```

3 Philip Elliott How Big Banks, Ranchers and Unions Found a Com...
4 Massimo Calabresi Inside the White House Program to Share Americ...

```

```

description \
0 Researchers are facing backlash over a study t...
1 A video appears to show Russia is using vulner...
2 President Joe Biden's 2024 State of the Union ...
3 A massive lobbying effort is targeting key Sen...
4 Mass surveillance and social media are changin...

```

```

url \
0 https://www.businessinsider.com/urban-farming-...
1 https://www.businessinsider.com/russian-army-c...
2 https://time.com/6898705/read-president-joe-bi...
3 https://time.com/6958046/big-banks-too-big-to-...
4 https://time.com/6835724/americas-intelligence...

```

```

urlToImage publishedAt \
0 https://i.insider.com/65dfb27cce7f1785b2e4c804... 2024-02-29T11:06:02Z
1 https://i.insider.com/65eb29c96080194819fdf288... 2024-03-09T11:00:32Z
2 https://api.time.com/wp-content/uploads/2024/0... 2024-03-08T03:00:00Z
3 https://api.time.com/wp-content/uploads/2024/0... 2024-03-18T18:12:46Z
4 https://api.time.com/wp-content/uploads/2024/0... 2024-02-29T11:00:00Z

```

```

content source.id \
0 An urban farm in Detroit, Michigan.espiegle/Ge... business-insider
1 A screenshot from a video appearing to show Ru... business-insider
2 The following are President Joe Bidens 2024 St... time
3 This article is part of The D.C. Brief, TIMES ... time
4 On the afternoon of Sept. 27, a Balkans expert... time

```

```

source.name
0 Business Insider
1 Business Insider
2 Time
3 Time
4 Time

```

1.6 Get news article content about commercial/big farms

```

[55]: End = "https://newsapi.org/v2/everything?"
URLPost = {'apiKey': '1bf8cd7388514126988c7abd1ea5970e',
           'q': '(American commercial farms) OR (US commercial farms) OR_
↪(American big farms) OR (US big farms)',
           'pageSize': 100,
           'sortBy': 'popularity'
          }

```

```
news_response = requests.get(End, URLPost)
jsontxt_news= news_response.json()
title_news_df=pd.json_normalize(jsontxt_news['articles'])
print(title_news_df.head(5))
title_news_df.to_csv("NewsContent_USlocalFarms9_13.csv", mode='w')
```

	author	title \
0	Karissa Bell	No, Mark Zuckerberg isn't having a 'PR moment'
1	Ariel Shapiro	Stephen Dubner is bullish on the podcast industry
2	Rob Stein	How genetically modified pigs could end the sh...
3	BeauHD	Is America Running Out of Electrical Power?
4	Catherine Boudreau	Gardeners are fuming about a study that found ...

	description \
0	Axios, a site known for political analysis and...
1	The Freakonomics host is not too worried about...
2	Scientists are optimistic that gene-edited ani...
3	An anonymous reader quotes a report from The W...
4	Researchers are facing backlash over a study t...

	url \
0	https://consent.yahoo.com/v2/collectConsent?se...
1	https://www.theverge.com/2024/3/7/24093805/ste...
2	https://www.npr.org/sections/health-shots/2024...
3	https://hardware.slashdot.org/story/24/03/07/2...
4	https://www.businessinsider.com/urban-farming-...

	urlToImage	publishedAt \
0	None	2024-03-01T17:15:24Z
1	https://cdn.vox-cdn.com/thumbor/3ZDe-uSgyRJhmv...	2024-03-07T22:30:00Z
2	https://media.npr.org/assets/img/2024/02/28/20...	2024-02-29T10:11:35Z
3	https://a.fsdn.com/sd/topics/power_64.png	2024-03-07T23:50:00Z
4	https://i.insider.com/65dfb27cce7f1785b2e4c804...	2024-02-29T11:06:02Z

	content	source.id \
0	Si vous cliquez sur « Tout accepter », nos par...	None
1	Stephen Dubner speaking at On Air Fest Alexa...	the-verge
2	David Ayares, president and chief scientific o...	None
3	The advancement of new technologies appears to...	None
4	An urban farm in Detroit, Michigan.espiegle/Ge...	business-insider

	source.name
0	Yahoo Entertainment
1	The Verge
2	NPR
3	Slashdot.org
4	Business Insider