News-API

Dr. H

For questions or bugs, contact Dr. H

Import

▶ Code

Set credentials

- You will need to get your own API credentials to use this code

- https://newsapi.org/docs/get-started

▶ Code

Form URL and save result

▶ Code

```
https://newsapi.org/v2/everything?
{
  "status": "ok",
  "totalResults": 9635,
  "articles": [
    {
      "source": {
        "id": "engadget",
        "name": "Engadget"
      },
      "author": "Sarah Fielding",
      "title": "Corsair\u2019s first standing desk is a huge and expandable all-in-one",
      "description": "There are desks with just enough room to put a coffee next to your laptop without the risk
of it spilling over the edge, and then there are desks that are big (and complex) enough that you could
practically open up your own coffee stand. The upcoming Corsair \u2026",
      "url": "https://www.engadget.com/corsairs-first-standing-desk-is-a-huge-and-expandable-all-in-one-
113519907.html",
      "urlToImage": "https://s.yimg.com/os/creatr-uploaded-images/2023-08/ac0ec3e0-4197-11ee-9df7-aa3c67cc596d",
      "publishedAt": "2023-08-23T11:35:19Z",
      "content": "There are desks with just enough room to put a coffee next to your laptop without the risk of
it spilling over the edge, and then there are desks that are big (and complex) enough that you could prac\u2026
[+1590 chars]"
```

Utility function

- Function to clean strings

▶ Code

Clean JSON

- clean data and make a list of lists

▶ Code

```
AVAILABLE KEYS:
dict_keys(['source', 'author', 'title', 'description', 'url', 'urlToImage', 'publishedAt', 'content'])
#-----------------------------------------
# 0
#-----------------------------------------
---------------
source
{'id': 'engadget', 'name': 'Engadget'}
---------------
---------------
author
Sarah Fielding
---------------
---------------
title
Corsair's first standing desk is a huge and expandable all-in-one
---------------
---------------
description
There are desks with just enough room to put a coffee next to your laptop without the risk of it spilling over
the edge, and then there are desks that are big (and complex) enough that you could practically open up your own
coffee stand. The upcoming Corsair …
```

Convert to Dataframe

- Convert to pandas data frame and write to csv

▶ Code

```
                         0                               1  \
0              engadget                   sarah fielding
1       business insider                    eliza relman
2       business insider                     alex bitter
3       business insider           morgan mcfall-johnsen
4           boing boing                 jason weisberger
..                   ...                             ...
95              huffpost                    sara boboltz
96      business insider                      grace dean
97                 /film  staff@slashfilmcom (mike shutt)
98      business insider                    taylor berman
99      business insider                      grace dean

                                                    2                     3
0   corsairs first standing desk is a huge and exp...  2023-08-23T11:35:19Z
1                     loneliness is a design flaw      2023-09-06T09:30:01Z
2   i shopped at amazon fresh to see why it's stru...  2023-09-04T09:00:06Z
3   small businesses turned an chicago old meatpac...  2023-08-10T19:21:47Z
4      james hoffmann reviews a $20k espresso machine  2023-09-08T17:15:45Z
..                                                ...                   ...
95  mark meadows, 5 others plead not guilty in geo...  2023-09-05T18:12:44Z
96  tourists call a restaurant in greece 'cheaters...  2023-08-22T10:56:12Z
```