

# CCC Analytics Data Engineering Przyjmij zadanie do domu

## Autor: Sebastian Lijo

Josephlsebastian425@gmail.com

## Użyte API to: News API

## Inicjalizacja za pomocą Pythona Requests Lib

### Importowanie modułów i klucza API

```
W [153]: #!/usr/bin/env python
# -*- kodowanie: utf-8 -*-
#Utworzono Mon Apr 4 01:14:31 2022

#@autor: JosephLsebastian

# Python 3

żądania importu

TWÓJ_KLUCZ_DOSTĘPU = '15048bcacdf74b239f2fc78e64960bf5'

# Wyślij żądanie GET do mediastack API
r = request . pobierz ( "https://newsapi.org/v2/top-headlines&access_key=15048bcacdf74b239f2fc78e64960bf5" )
r
#odpowiedzi = r.json()
#odpowiedzi
```

Out[153]: <Odpowiedź [404]>

```
W [154]: z importu newsapi NewsApiClient newsapi = NewsApiClient ( api_key = '15048bcacdf74b239f2fc78e64960bf5' )
```

### Krzyżowe sprawdzanie danych dla źródeł wiadomości:

```
W [155]: news_sources = newsapi . get_sources ( )
for source w news_sources [ 'źródła' ]:
    print ( source [ 'name' ] )
print ( news_sources )
```

wiadomości ABC  
Wiadomości ABC (Australia)  
Afterposten  
Al Jazeera angielski  
ANSA.it  
Argaam  
Ars Technica  
Aktualności Ary  
Powiązana prasa  
Australijski przegląd finansowy  
Aksjos  
wiadomości BBC  
BBC Sport  
Bild  
Wiadomości wybuchowe (BR)  
Raport trybuna  
Bloomberg  
Wiadomości Breitbarta  
Insider biznesowy  
Insider biznesowy (Wielka Brytania)  
Kanał buzzów  
Wiadomości CBC  
Wiadomości CBS  
CNN  
CNN hiszpański  
Wiadomości o kryptowalutach  
Der Tagesspiegel  
Die Zeit  
El Mundo  
Engadżet  
Tygodnik Rozrywka  
ESPN  
Informacje krytyczne ESPN  
Pocztą finansowa  
Centrum  
Piłka nożna Włochy  
Fortuna  
CzteryCzteryDwa  
Fox News  
Fox Sport  
Globo  
wiadomości Google  
Wiadomości Google (Argentyna)  
Wiadomości Google (Australia)  
Wiadomości Google (Brazylia)  
Wiadomości Google (Kanada)  
Wiadomości Google (Francja)  
Wiadomości Google (Indie)  
Wiadomości Google (Izrael)  
Wiadomości Google (Włochy)  
Wiadomości Google (Rosja)  
Wiadomości Google (Arabia Saudyjska)  
Wiadomości Google (Wielka Brytania)  
Göteborgs-Posten  
Gruenderszene  
Wiadomości hakerskie  
Handelsblatt  
IGN  
Il Sole 24 Ore  
Niezależny  
Infobae  
InformacjePieniądze  
La Gaceta  
La Nacion

La Repubblica  
Le Monde  
Lenta  
L'Equipe  
Les Echos  
Oswobodzenie  
Marca  
Rozcierany  
Wiadomości medyczne dzisiaj  
MSNBC  
Wiadomości MTV  
Wiadomości MTV (Wielka Brytania)  
National Geographic  
Przegląd Krajowy  
Wiadomości NBC  
Aktualności24  
Nowy naukowiec  
News.com.pl  
Newsweek  
Nowy Jork Magazyn  
Następna wielka przyszłość  
Aktualności NFL  
Aktualności NHL  
NRK  
Polityka  
Wielokąt  
RBC  
Przekoduj  
Reddit /r/wszystkie  
Reuters  
RT  
RTE  
RTL Nieuws  
SABQ  
Spiegel online  
Svenska Dagbladet  
T3n  
TalkSport  
TechCrunch  
TechCrunch (CN)  
TechRadar  
Amerykański konserwatysta  
Kula ziemską i pocztą  
Wzgórze  
Ten hinduista  
Pocztą Haffington  
Czasy irlandzkie  
Pocztą Jerozolimską  
Biblia chłopca  
Następna sieć  
Biblia sportu  
Czasy Indii  
Pogranicze  
Dziennik Wall Street  
Washington Post  
Washington Times  
Czas  
USA dziś  
Vice Wiadomości  
Przewodowy  
Wired.de  
Wirtschafts Woche  
Xinhua Net  
Ynet

Zasób entuzjastów PC. Zaawansowani użytkownicy i narzędzia, które kochają, bez obliczania religii.", 'url': 'http://arstechnica.com', 'kategoria': 'technologia', 'język': 'pl', 'kraj': 'nas'}, {'id': 'ary-news', 'name': 'Ary News', 'description': 'ARY News to pakistański kanał informacyjny, którego celem jest dostarczanie najświeższych wiadomości i polecanych artykułów z Pakistanu z całego Pakistanu i całego świata.', 'url': 'https://arynews.tv/ud/', 'kategoria': 'ogólne', 'język': 'ud', 'kraj': 'pk'}, {'id': 'associated-press', 'name': 'Associated Press', 'description': 'AP zapewnia dogłębną relację na arenie międzynarodowej, wiadomości o polityce, stylu życia, biznesie i rozrywce.', 'url': 'https://apnews.com/', 'kategoria': 'ogólne', 'język': 'pl', 'kraj': 'nas'}, {'id': 'australian-financial-review', 'name': 'Australian Financial Review', 'description': 'Australian Financial Review podaje najnowsze wiadomości ze świata biznesu, finansów, inwestycji i polityki, aktualizowane na bieżąco czas. Ma reputację niezależnego, nagradzanego dziennikarstwa i jest niezbędną lekturą dla biznesu i społeczności inwestorów.', 'url': 'http://www.afr.com', 'kategoria': 'biznes', 'język': 'en', 'country': 'au'}, {'id': 'axios', 'name': 'Axios', 'description': 'Axios to nowa firma medialna do starcząca ważne, godne zaufania wiadomości i analizy w najbardziej efektywny, pouczający i możliwy do udostępnienia sposób.', 'url': 'https://www.axios.com', 'kategoria': 'ogólne', 'language': 'en', 'country': 'us'}, {'id': 'bbc-news', 'name': 'BBC News', 'description': 'Używaj BBC News do aktualnych najświeższe wiadomości, najświeższe wiadomości, materiały wideo, audio i fabularne. BBC News zapewnia wygodne wiadomości ze świata i Wielkiej Brytanii, a także perspektywy lokalne i regionalne. Również wiadomości o rozrywce, biznesie, nauce, technologii i zdrowiu.', 'url': 'http://www.bbc.co.uk/news', 'category': 'general', 'language': 'en', 'country': 'gb'}, {'id': 'bbc-sport', 'name': 'BBC Sport', 'description': 'Dom BBC Sport online. Obejmuje relacje sportowe na żywo, najświeższe wiadomości, wyniki, wideo, audio i analizy dotyczące piłki nożnej, F1, krykieta, Rugby Union, Rugby League, golfa, tenisa i wszystkich głównych światowych sportów, a także ważnych wydarzeń, takich jak igrzyska olimpijskie.', 'url': 'http://www.bbc.co.uk/sport', 'category': 'sport', 'language': 'en', 'country': 'gb'}, {'id': 'bild', 'name': 'Bild', 'description': 'Die Seite 1 für aktuelle Nachrichten und Themen, Bilder und Videos aus den Bereichen News, Wirtschaft, Politik, Show, Sport, und Promis.', 'url': 'http://www.bild.de', 'kategoria': 'ogólne', 'język': 'de', 'kraj': 'de'}, {'id': 'blasting-news-br', 'name': 'Blasting News (BR)', 'description': 'Descubra a seção brasileira da Blasting News, a primeira revista feita pelo público, com notícias globais e filmes independentes. Junte-se a nós e torne-se um repórter.', 'url': 'https://br.blastingnews.com', 'kategoria': 'ogólny', 'język': 'pt', 'kraj': 'br'}, {'id': 'bleacher-report', 'name': 'Bleacher Report', 'description': 'Dziennikarze sportowi i blogerzy zajmujący się NFL, MLB, NBA, NHL, MMA, futbolem i koszykówką, NASCAR, sporty fantasy i nie tylko. Wiadomości, zdjęcia, próbne wersje robocze, wyniki gier, profile graczy i wiele więcej!', 'url': 'http://www.bleacherreport.com', 'kategoria': 'country': 'us'}, {'id': 'business-insider', 'name': 'Business Insider', 'description': 'Business Insider to szybko rozwijająca się witryna biznesowa z głębokimi finansami, mediami, technologią, i inne branże branżowe. Uruchomiona w 2007 r. witryna jest obecnie największym serwisem z wiadomościami biznesowymi w sieci.', 'url': 'http://www.businessinsider.com', 'kategoria': 'biznes', 'język': 'pl', 'country': 'us'}, {'id': 'business-insider-uk', 'name': 'Business Insider (UK)', 'description': 'Business Insider to szybko rozwijająca się witryna biznesowa z głębokie branże finansowe, medialne, technologiczne i inne branże. Uruchomiona w 2007 roku strona jest obecnie największym serwisem z wiadomościami biznesowymi w sieci.', 'url': 'http://uk. opis': 'ESPN Cricinfo zapewnia najbardziej wszechstronne dostępne relacje z krykieta, w tym komentarze na żywo piłka po piłce, wiadomości, niezrównane statystyki, wysokiej jakości komentarze i analizy redakcyjne.', 'url': 'http://www.espn-cricinfo.com/', 'category': 'sport', 'language': 'en', 'country': 'us'}, {'id': 'financial-post', 'name': 'Financial Post', 'description': 'Znajdź najnowsze wydarzenia w kanadyjskim sektorze finansowym i bądź na bieżąco ze zmieniającymi się trendami na rynkach biznesowych. Przeczytaj porady dotyczące handlu i inwestowania od profesjonalistów.', 'url': 'http://business.financialpost.com', 'category': 'business', 'language': 'en', 'country': 'ca'}, {'id': 'fortune-500-daily-and-breaking-business-news', 'name': 'Fortune 500 Daily and Breaking Business News', 'url': 'http://fortune.com', 'kategoria': 'biznes', 'język': 'pl', 'kraj': 'nas'}, {'id': 'cztery-cztery-dwa', 'name': 'FourFourTwo', 'description': 'Najnowsze wiadomości piłkarskie, szczegółowe informacje, analizy taktyczne i statystyczne z FourFourTwo, ulubionego brytyjskiego miesięcznika piłkarskiego.', 'url': 'http://www.fourfourtwo.com/news', 'category': 'sport', 'language': 'en', 'country': 'gb'}

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e': 'en', 'country': 'gb'}, {'id': 'fox-news', 'name': 'Fox News', 'description':
'Z ostatniej chwili, aktualności i aktualności z FOXNews.com. Najświeższe wiadomości
i wideo. Najnowsze bieżące wiadomości: USA, świat, rozrywka, Zdrowie, biznes, t
echnologia, polityka, sport.', 'url': 'http://www.foxnews.com', 'kategoria': 'ogól
ne', 'język': 'pl', 'kraj': 'nas' }, {'id': 'fox-sports', 'name': 'Fox Sports',
'description': 'Znajdź wyniki na żywo, wiadomości graczy i drużyn, filmy, plotki,
statystyki, tabele, harmonogramy i gry fantasy na FOX Sports.', 'url': 'http://ww
w.foxsports.com', 'category': 'sports', 'language': 'en', 'country': 'us'}, {'id'
: 'globo', 'name': 'Globo', 'description': 'Só na globo.com você encontra tudo so
bre o conteúdo e marcas do Grupo Globo. O melhor acervo de vídeos online sobre ent
retenimento, esportes e jornalismo do Brasil.', 'url': 'https://news.google.com', 'category': 'general', 'language': 'it', 'countr
y': 'it'}, {'id': 'google-news-ru', 'name': 'Google News (Rosja)', 'description':
'Исчерпывающая и актуальная информация, собранная с Nowe Google' со всего свет
a.', 'url': 'https://news.google.com', 'kategoria': 'ogólne', 'język': 'ru', 'kra
j': 'ru'}, {'id': 'google-news-sa', 'name': 'Google News (Arabia Saudyjska)', 'de
scription': 'Szwecja.', 'url': 'http://www.gp.se', 'category': 'general', 'langua
ge': 'se', 'country': 'se'}, {'id': 'gruenderszene', 'name': 'Gruenderszene', 'des
cription': 'Online-Magazin für Startups und die digitale Wirtschaft. News und Hint
ergründe zu Investment, VC und Gründungen.', 'url': 'http://www.gruenderszene.de',
'kategoria': 'technologia', 'język': 'de', 'kraj': 'de' }, {'id': 'hacker-news',
'name': 'Hacker News', 'description': 'Hacker News to serwis społecznościowy pośw
ięcony informatyce i przedsiębiorczości. Jest prowadzony przez fundusz inwestycyjn
y i inkubator startupów Paula Grahama, Y Combinator. Ogólnie, treść, którą można p
rzesłać, jest definiowana jako „wszystko, co zaspokaja intelektualną ciekawość”.',
'url': 'https://news.ycombinator.com', 'category': 'technologia', 'language': 'e
n', 'country': 'us'}, {'id': 'handelsblatt', 'name': 'Handelsblatt', 'descriptio
n': 'Auf Handelsblatt lesen sie Nachrichten über Unternehmen, Finanzen, Politik un
d Technik. Verwalten Sie Ihre Finanzanlagen mit Hilfe unserer Börsenkurse.', 'ur
l': 'http://www.handelsblatt.com', 'kategoria': 'biznes', 'język': 'de', 'kraj':
'de' }, {'id': 'ign', 'name': 'IGN', 'description': 'IGN to Twoja witryna na Xbox
One, PS4, PC, Wii-U, Xbox 360, „Narodowa poranna jakość (tabloid) obejmuje bezpłat
ny dostęp online do wiadomości i suplementów. Informacje autorstwa Roberta Fiska i
różnych innych felietonistów.', 'url': 'http://www.independent.co.uk', 'categor
y': 'general', 'language': 'en', 'country': 'gb'}, {'id': 'infobae', 'name': 'Inf
obae', 'description': 'Noticias de Argentina y del mundo en tiempo real. Informaci
ón, videos y fotos sobre los hechos más relacionados y sus protagonistas. Léelo antes
en infobae.', 'url': 'http://www.infobae.com/?noredirect', 'category': 'general',
'language': 'es', 'country': 'ar' }, {'id': 'info-money', 'name': 'InfoMoney', 'd
escription': 'No InfoMoney você encontra tudo o que precisa sobre dinheiro. Açõe
s, investimentos, bolsas de valores e muito mais. Aqui você encontra informação qu
e vale dinheiro!', 'url': 'https://www.infomoney.com.br', 'kategoria': 'biznes',
'język': 'pt', 'kraj': 'br' }, {'id': 'la-gaceta', 'name': 'La Gaceta', 'descript
ion': 'El diario de Tucumán, noticias 24 horas online - San Miguel de Tucumán - Ar
gentyna - Ultimo momento - Ultimas noticias .', 'url': 'http://www.lagaceta.com.a
r', 'category': 'general', 'language': 'es', 'country': 'ar'}, {'id': 'la-nacio
n', 'name': 'La Nacion', 'description': 'Información confiable en Internet. Notici
as de Argentina y del mundo - „Informe ya!', 'url': 'http://www.lanacion.com.a
r', 'kategoria': 'ogólny', 'język': 'es', 'kraj': 'ar'}, {'id': 'la-repubblica',
'name': 'La Repubblica', 'description': 'Z ostatniej chwili, aktualności i aktual
ności z FOXNews.com. Najświeższe wiadomości i wideo. Najnowsze bieżące wiadomości:
Stany Zjednoczone, świat, rozrywka, zdrowie, biznes, technologia, polityka, spor
t.', 'url': 'http://www.repubblica.it', 'kategoria': 'ogólne', 'język': 'it', 'kra
j': 'it'}, {'id': 'le-monde', 'name': 'Le Monde', 'description': 'Les article du j
ournal et toute l'actualité en continu : Międzynarodowe, Francja, Société, Economi
e, Culture, Environnement, Blogs...', 'url': 'http://www.lemonde.fr', 'category':
'general', 'language': 'fr', 'kraj': 'fr'}, {'id': 'lenta', 'name': 'Lenta', 'op
is': 'Новости, статьи, образы, видео. Семь дней в неделю, 24 часа в сутки.', 'ur
l': 'https://lenta.ru', 'kategoria': 'ogólne', 'język': 'ru', 'kraj': 'ru'}, {'i
d': 'lequipe', 'name': 'L'equipe', 'description': 'Le sport en direct sur L'EQUIP
E.fr. Les informations, résultats et classements de tous les sports. Reżyseruje ko
mentarze, obrazy i filmy à czytelnika et à partager !', 'us'}, {'id': 'news24', 'n
ame': 'News24', 'description': 'Najważniejsze źródło wiadomości w RPA, dostarcza n

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ajświeższe wiadomości na temat kraju, świata, Afryki, sportu, rozrywki, technologii i nie tylko .", 'url': 'http://www.news24.com', 'category': 'general', 'language': 'en', 'country': 'za'}, {'id': 'new-scientist', 'name': 'New Scientist', 'description': 'Najnowsze wiadomości naukowe i technologiczne z całego świata. Ekskluzywne historie i analizy eksperckie na temat kosmosu, technologii, zdrowia, fizyki, życia i Ziemi.', 'url': 'https://www.newscientist.com/section/news', 'kategoria': 'nauka', 'język': 'pl', 'kraj': 'nas'}, {'id': 'podcast', 'name': 'helse-, kultur-, underholdning-, humor- og debattstoff.', 'url': 'https://www.nrk.no', 'kategoria': 'ogólne', 'język': 'nie', 'country': 'no'}, {'id': 'politico', 'name': 'Politico', 'description': 'Wiadomości polityczne o Kongresie, Białym Domu, kampaniach, lobbykach i sprawach.', 'url': 'https://www.politico.com', 'kategoria': 'ogólne', 'język': 'en', 'kraj': 'nas'}, {'id': 'wielokat', 'name': 'Polygon', 'description': 'Polygon to witryna gier we współpracy z Vox Media. Nasza witryna skoncentrowana na kulturze zawiera gry, ich twórców, fanów, popularne historie i wiadomości rozrywkowe.', 'url': 'https://www.polygon.com', 'kategoria': 'ogólne', 'język': 'en', 'kraj': 'nas'}, {'id': 'rt', 'name': 'RT', 'description': 'Актуальная картина дня на RT: круглосуточное ежедневное обновление новостей политики, бизнеса, финансов, спорта, науки, культуры. Онлайн-репортажи с места событий. Комментарии экспертов, актуальные интервью, pictures и видео репортажи.', 'url': 'https://russian.rt.com', 'kategoria': 'kraj', 'country': 'ru'}, {'id': 'rte', 'name': 'RTE', 'description': 'Otrzymuj wszystkie najnowsze wiadomości lokalne i międzynarodowe na bieżąco, z najdrobniejszymi aktualizacjami i analizami, od Irlandzkiego Nadawcy Narodowego.', 'url': 'https://www.rte.ie/news', 'kategoria': 'ogólne', 'język': 'en', 'kraj': 'ie'}, {'id': 'rtl-nieuws', 'name': 'RTL Nieuws', 'description': 'Volg het nieuws terwijl het gebeurt. RTL Nieuws informeert haar lezers op een onafhankelijke, boeiende en toegankelijke wijze over belangrijke ontwikkelingen in eigen land en de rest van de wereld.', 'url': 'https://www.rtlnieuws.nl', 'category': 'ogólne', 'język': 'nl', 'kraj': 'nl'}, {'id': 'sabq', 'name': 'SABQ', 'description': 'صحيفة الكترونية سعودية هدفهاسبق في نقل الحدث بمهنية ومصادقية خدمة للوطن والمواطن.', 'url': 'https://sabq.org', 'category': 'general', 'language': 'ar', 'country': 'sa'}, {'id': 'spiegel-online', 'name': 'Spiegel Online', 'description': 'Deutschlands führende Nachrichtenseite. Alles Wichtige aus Politik, Wirtschaft, Sport, Kultur, Wissenschaft, Technik und mehr.', 'url': 'http://www.spiegel.de', 'kategoria': 'ogólny', 'język': 'de', 'country': 'de'}, {'id': 'svenska-dagbladet', 'name': 'Svenska Dagbladet', 'description': 'Sveriges ledande mediesajt - SvD.se. Svenska Dagbladets nyhetssajt låter läsarna ta plats och fördjupar nyheterna.', 'url': 'https://www.svd.se', 'kategoria': 'ogólny', 'język': 'se', 'country': 'se'}, {'id': 'techradar', 'name': 'TechRadar', 'description': 'Najnowsze wiadomości i recenzje dotyczące technologii, obejmujące komputery, systemy rozrywki domowej, gadżety i nie tylko.', 'url': 'http://www.techradar.com', 'kategoria': 'technologia', 'język': 'en', 'kraj': 'nas'}, {'id': 'amerykański-konserwatysta', 'name': 'amerykański konserwatysta', 'description': 'Realizm i reforma. Nowy głos dla nowego pokolenia konserwatystów.', 'url': 'http://www.theamericanconservative.com', 'kategoria': 'ogólny', 'język': 'en', 'kraj': 'nas'}, {'id': 'globe-and-mail', 'name': 'The Globe And Mail', 'description': 'The Irish Times', 'opis': 'The Irish Times online. Najnowsze wiadomości, w tym informacje o sporcie, analizach, biznesie, pogodzie i nie tylko, od najlepszej marki wiadomości wysokiej jakości w Irlandii.', 'url': 'https://www.irishtimes.com', 'kategoria': 'ogólny', 'język': 'en', 'country': 'ie'}, {'id': 'the-jerusalem-post', 'name': 'The Jerusalem Post', 'description': 'The Jerusalem Post jest liderem w Internecie gazet dla Żydów mówiących po angielsku od 1932 roku, przynosząca wiadomości i aktualizacje z Bliskiego Wschodu i całego świata żydowskiego.', 'url': 'https://www.jpost.com', 'kategoria': 'ogólny', 'język': 'pl', 'kraj': 'jest'}, {'id': 'the-lad-bible', 'name': 'The Lad Bible', 'description': 'The LAD Bible to jedna z największych społeczności dla facetów w wieku 16-30 lat na świecie. Prześlij nam swoje najzabawniejsze zdjęcia i filmy!', 'url': 'https://www.theladbible.com', 'kategoria': 'rozrywka', 'język': 'pl', 'kraj': 'gb'}, {'id': 'the-next-web', 'name': 'The Next Web', 'description': 'The Next Web to jedna z największych na świecie publikacji online, która zapewnia międzynarodowe spojrzenie na najnowsze wiadomości na temat Technologia, biznes i kultura internetowa.', 'url': 'http://thenextweb.com', 'category': 'technology', 'language': 'en', 'country': 'us'}, {'id': 'the-sport-bible', 'name': 'The Sport Bible', 'description': 'TheSPORTbible to jedna z największych społeczności fanów sportu na całym świecie. Prześlij nam swoje sportowe zdjęcia i filmy!', 'url': 'https://www.thesportbible.com', 'kategoria': 'sport', 'język': 'pl', 'kraj': 'gb'}, {'id': 'the-times-of-india', 'name': 'The Times of India', 'description': 'Times of India przynosi najnowsze wiadomości i najważniejsze nagł



# Below is a list of News API endpoints.

## Endpoint Description

->>> /v2/everything search every article published by over 75,000 different sources large and small in the last 3 years.

->>> /v2/top-headlines Returns breaking news headlines for countries, categories, and singular publishers.

->>> /v2/sources Returns information (including name, description, and category) about the most notable sources available for searching.

->>> more information here: <https://newsapi.org/docs> <<<

```
In [156... import requests
import json
import pandas

# The headers remain the same for all the requests
headers = {'Authorization': '15048bcacdf74b239f2fc78e64960bf5'}
print(headers)

# All the endpoints in this section

# To fetch the top headlines
top_headlines_url = 'https://newsapi.org/v2/top-headlines'
# To fetch news articles
everything_news_url = 'https://newsapi.org/v2/everything'
# To retrieve the sources
sources_url = 'https://newsapi.org/v2/sources'

{'Authorization': '15048bcacdf74b239f2fc78e64960bf5'}
```

```
In [158... # All the payloads in this section
headlines_payload = {'category': 'science', 'country': 'all'}
everything_payload = {'q': 'all', 'sortBy': 'popularity'}
sources_payload = {'category': 'general', 'country': 'all'}

print(sources_payload)

{'category': 'general', 'country': 'all'}
```

# Putting a request based on the requirement, just change the url and the params field

## Request to fetch the top headlines

```
In [7]: # Request to fetch the top headlines
# response = requests.get(url=top_headlines_url, headers=headers, params=headlines_payload)

# Request to fetch every news article
response = requests.get(url=everything_news_url, headers=headers, params=everything_payload)

# Request to fetch the sources
# response = requests.get(url=sources_url, headers=headers, params=sources_payload)

# Visualization
pretty_json_output = json.dumps(response.json(), indent=4)
```



```
print(pretty_json_output)
print(response.json())
```

```

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ries to pass off as weight loss hacks. Because they are all so, so bad.\r\nArticle s about weight loss hacks never actually includ... [+4981 chars]'}, {'source': {'id': None, 'name': 'Lifehacker.com'}, 'author': 'Ross Johnson', 'title': '25 of the Best Irish Movies of All Time', 'description': 'Though intended as a celebration i f Irish heritage and culture, many tend to celebrate St. Patrick’s Day with a trip to the pub and a plate of corned beef—occasionally forgetting, perhaps, that ther e’s more to Ireland than depictions of leprechauns. It’s all ...', 'url': 'https://l ifehacker.com/25-of-the-best-irish-movies-of-all-time-1848640617', 'urlToImage': 'https://i.kinja-img.com/gawker-media/image/upload/c\_fill,f\_auto,fl\_progressive,g \_center,h\_675,pg\_1,q\_80,w\_1200/113e3efc1cbd4fdde09b7fec09386264.jpg', 'publishedAt': '2022-03-11T20:00:00Z', 'content': 'With The Van, youre invited to conclude a delightful St. Paddys Day triple feature with films based on the works of writer Roddy Doyle (The Commitments, The Snapper, and then this one). The novels on... [+5 67 chars]'}, {'source': {'id': None, 'name': 'Lifehacker.com'}, 'author': 'Stephen Johnson', 'title': 'All the Terrible Slang Your Doctor Is Using Behind Your Back', 'description': 'Maybe it comes from battling death itself as a job, but people who work in medicine can be some dark mf’ers, and you can see it in their slang. Not o nly have doctors and nurses perfected gallows humor, but they can use most of thei r “secret words” right in fr...', 'url': 'https://lifehacker.com/all-the-terrible-sl ang-your-doctor-is-using-behind-your-1848635237', 'urlToImage': 'https://i.kinja-i mg.com/gawker-media/image/upload/c\_fill,f\_auto,fl\_progressive,g\_center,h\_675,pg\_1, q\_80,w\_1200/3c4d43aff3ad6e951defa80d1afb4e2.jpg', 'publishedAt': '2022-03-10T19:3 0:00Z', 'content': 'Maybe it comes from battling death itself as a job, but people who work in medicine can be some dark mfers, and you can see it in their slang. No t only have doctors and nurses perfected gallows humor... [+4346 chars]'}, {'sourc e': {'id': None, 'name': 'Lifehacker.com'}, 'author': 'Emily Long', 'title': 'The Difference Between a Service Dog and a Therapy Dog', 'description': 'We probably all consider our dogs essential to our day-to-day lives and wish we could take th em everywhere. Many dogs actually do have real jobs and go to work with their huma ns every day, whether they’re herding livestock, aiding search-and-rescue teams, o r ...', 'url': 'https://lifehacker.com/the-difference-between-a-service-dog-and-a-th erapy-dog-1848627962', 'urlToImage': 'https://i.kinja-img.com/gawker-media/image/u pload/c\_fill,f\_auto,fl\_progressive,g\_center,h\_675,pg\_1,q\_80,w\_1200/5742ee49b8035b1 430c7e4b0249e71f4.jpg', 'publishedAt': '2022-03-09T21:00:00Z', 'content': 'We prob ably all consider our dogs essential to our day-to-day lives and wish we could tak e them everywhere. Many dogs actually do have real jobs and go to work with their humans every day, whether th... [+2936 chars]'}, {'source': {'id': None, 'name': 'L ifehacker.com'}, 'author': 'Stephen Johnson', 'title': "What Is 'the Ides of Marc h,' and Should You Beware It?", 'description': 'If you’re noticing an existential gloom hanging over all of humanity today, rest assured: It’s not because today is “The Ides of March.”Read more...', 'url': 'https://lifehacker.com/what-is-the-ides -of-march-and-should-you-beware-it-1848656017', 'urlToImage': 'https://i.kinja-im g.com/gawker-media/image/upload/c\_fill,f\_auto,fl\_progressive,g\_center,h\_675,pg\_1,q \_80,w\_1200/5710744e2e2a35a6a7245709c7c5150f.jpg', 'publishedAt': '2022-03-15T19:0 0:00Z', 'content': 'If youre noticing an existential gloom hanging over all of hum anity today, rest assured: Its not because today is The Ides of March.\r\n\r\nIn Willi am Shakespeares Julius Caesar, first produced in 1599, a ... 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[+2961 chars]'}, {'source': {'id': Non e, 'name': 'Lifehacker.com'}, 'author': 'Jeff Somers', 'title': "20 Weeds in Your Garden That You Really Shouldn't Kill", 'description': 'Gardening is power. Sure, you might think of gardening as the hobby of grandmotherly types, but gardening is all about mankind’s endless battle to dominate and control the world. We see a plo t of land covered in happy native flora and we decide, “Nope. Today ...', 'url': 'ht

tps://lifelacker.com/20-weeds-in-your-garden-that-you-really-shouldnt-kill-1848617554', 'urlToImage': 'https://i.kinja-img.com/gawker-media/image/upload/c\_fill,f\_auto,fl\_progressive,g\_center,h\_675,pg\_1,q\_80,w\_1200/24c4b09fb0e9f2c9977684e1259db331.jpg', 'publishedAt': '2022-03-08T15:30:00Z', 'content': 'Gardening is power. Sure, you might think of gardening as the hobby of grandmotherly types, but gardening is all about mankind's endless battle to dominate and control the world. We see a plot of land... [+993 chars]'], {'source': {'id': None, 'name': 'Lifelacker.com'}, 'author': 'Jeff Somers', 'title': 'Everything You Need to Know About Stock Splits (and Reverse Stock Splits)', 'description': 'In the nearly 30 years since Amazon launched as a humble online bookstore, it has moved into just about every aspect of our lives. It's now a retailer, a grocery store, a media streamer, a movie production company, a cloud computing company, a major employer,...', 'url': 'https://lifelacker.com/everything-you-need-to-know-about-stock-splits-and-rev-1848661571', 'urlToImage': 'https://i.kinja-img.com/gawker-media/image/upload/c\_fill,f\_auto,fl\_progressive,g\_center,h\_675,pg\_1,q\_80,w\_1200/17db8919b8249baa2eed54071d5f01db.jpg', 'publishedAt': '2022-03-16T19:30:00Z', 'content': 'In the nearly 30 years since Amazon launched as a humble online bookstore, it has moved into just about every aspect of our lives. It's now a retailer, a grocery store, a media streamer, a movie production company, a cloud computing company, a major employer,... [+4451 chars]'], {'source': {'id': None, 'name': 'Lifelacker.com'}, 'author': 'Elizabeth Yuko', 'title': 'Don't Throw Away Your Mesh Produce Bags', 'description': 'In a perfect world, we'd all eat seasonally available local produce that we've purchased directly from farmers (or farmers' markets). But that's not an option for everyone (especially since there are entire neighborhoods that don't have access to affordable f...', 'url': 'https://lifelacker.com/dont-throw-away-your-mesh-produce-bags-1848706794', 'urlToImage': 'https://i.kinja-img.com/gawker-media/image/upload/c\_fill,f\_auto,fl\_progressive,g\_center,h\_675,pg\_1,q\_80,w\_1200/023d63789db9c42d1034700fae50858f.jpg', 'publishedAt': '2022-03-26T15:00:00Z', 'content': 'In a perfect world, we'd all eat seasonally available local produce that we've purchased directly from farmers (or farmers' markets). But that's not an option for everyone (especially since there are entire neighborhoods that don't have access to affordable f... [+1671 chars]'], {'source': {'id': None, 'name': 'Lifelacker.com'}, 'author': 'Meredith Dietz', 'title': 'Just Be Yourself, and Other Dating Myths You Should Stop Believing', 'description': 'Not to brag, but I go on a lot of first dates. But this point, I'm familiar with navigating all the unspoken rules of the game. Will we split the bill, or is that too platonic? Should we acknowledge the fact that I obviously stalked you before showing up tonight...?', 'url': 'https://lifelacker.com/just-be-yourself-and-other-dating-myths-you-should-stop-believing-1848731958', 'urlToImage': 'https://i.kinja-img.com/gawker-media/image/upload/c\_fill,f\_auto,fl\_progressive,g\_center,h\_675,pg\_1,q\_80,w\_1200/25fdb3c74ea311896407258eda84268.jpg', 'publishedAt': '2022-03-31T16:00:00Z', 'content': 'Not to brag, but I go on a lot of first dates. But this point, I'm familiar with navigating all the unspoken rules of the game. Will we split the bill, or is that too platonic? Should we acknowledge the fact that I obviously stalked you before showing up tonight...? [+3580 chars]'], {'source': {'id': None, 'name': 'Lifelacker.com'}, 'author': 'Meredith Dietz', 'title': 'Finally, There's a Wordle Clone for Music-Lovers', 'description': 'Going "viral" used to actually mean something. The online content market has never been more saturated, and after years of subjecting ourselves to a little bit of everything all of the time, you'd think someone would be gatekeeping what counts as "viral." Alas...', 'url': 'https://lifelacker.com/finally-there-s-a-wordle-clone-for-music-lovers-1848649747', 'urlToImage': 'https://i.kinja-img.com/gawker-media/image/upload/c\_fill,f\_auto,fl\_progressive,g\_center,h\_675,pg\_1,q\_80,w\_1200/c99b5ed7ccbbea0b6df016436c18ff63.png', 'publishedAt': '2022-03-14T16:30:00Z', 'content': 'Going viral used to actually mean something. The online content market has never been more saturated, and after years of subjecting ourselves to a little bit of everything all of the time, you'd think... [+2649 chars]'], {'source': {'id': None, 'name': 'Lifelacker.com'}, 'author': 'Claire Lower', 'title': '8 Ways to Add a Little Luck of the Irish to Your St. Patrick's Day Spread', 'description': 'Tomorrow is March 17, also known as "St. Patrick's Day," "St. Paddy's Day," and "amateur hour." It's the day that people who don't drink all that much decide to really tie one on, and it's the absolute worst day to be at a bar. Read more...', 'url': 'https://lifelacker.com/8-ways-to-add-a-little-luck-of-the-irish-to-your-st-pa-1848657628', 'urlToImage': 'https://i.kinja-img.com/gawker-media/image/upload/c\_fill,f\_auto,fl\_progressive,g\_center,h\_675,pg\_1,q\_80,w\_1200/94253164dfe54685a9c23e9c74f7d708.jpg', 'publishedAt': '2022-03-16T13:30:00Z', 'content': 'Tomorrow is March 17, also known as St. Patrick's Day, St. Paddy's Day, and amateur hour. It's the day that people who don't drink all that much decide to really tie one on,

localhost:8889/nbconvert/html/NewsApi Data Analytics Sebastian.ipynb?download=false

e's no shortage of reasons to opt for the perks of ...', 'url': 'https://lifelhacker.com/everything-you-should-do-on-the-first-day-of-a-remote-j-1848666722', 'urlToImage': 'https://i.kinja-img.com/gawker-media/image/upload/c\_fill,f\_auto,fl\_progressive,g\_center,h\_675,p\_1,q\_80,w\_1200/5b04a7df0b88f5bd420e4d11b97fbede.jpg', 'publishedAt': '2022-03-17T16:00:00Z', 'content': 'Many of us adjusted to WFH life over the past two years, maybe even joining the so-called great resignation to avoid a forced return to an in-person office. Given the opportunity to start a remote gi... [+5426 chars]'}, {'source': {'id': None, 'name': 'Lifelhacker.com'}, 'author': 'Meredith Dietz', 'title': 'Create a 'Career Search Action Plan' Before You Look for a New Job', 'description': 'Searching for a job can feel like a full time job itself. It's easy to feel defeated when it feels like you're sending your resume out into the void and hearing nothing back the majority of the time. Maybe you're graduating soon, or making a career pivot, or ...', 'url': 'https://lifelhacker.com/create-a-career-search-action-plan-before-you-look-for-1848700028', 'urlToImage': 'https://i.kinja-img.com/gawker-media/image/upload/c\_fill,f\_auto,fl\_progressive,g\_center,h\_675,p\_1,q\_80,w\_1200/0e1803729843394f72d5e8cbb19939f8.jpg', 'publishedAt': '2022-03-25T13:30:00Z', 'content': 'Searching for a job can feel like a full time job itself. Its easy to feel defeated when it feels like youre sending your resume out in to the void and hearing nothing back the majority of the time. M... [+4643 chars]'}, {'source': {'id': None, 'name': 'Lifelhacker.com'}, 'author': 'Khamosh Pathak', 'title': '7 Frustrating New Features in Windows 11 (and How to Fix Them)', 'description': 'Like many things in life, Windows 11 is a mixed bag. It finally modernizes the Windows operating system: It looks stunning, it's secure, and it's fast, and it comes with a couple of neat tricks like the new snap windows assistant and a redesigned taskbar. But...', 'url': 'https://lifelhacker.com/7-frustrating-new-features-in-windows-11-and-how-to-fi-1848626828', 'urlToImage': 'https://i.kinja-img.com/gawker-media/image/upload/c\_fill,f\_auto,fl\_progressive,g\_center,h\_675,p\_1,q\_80,w\_1200/9ff64befd64217897ceef3e005eddb92.jpg', 'publishedAt': '2022-03-14T14:00:00Z', 'content': 'The right-click menu has a legacy of its own. It had not changed in more two decades. And for good reason: it showed a simple list of relevant actions. But Windows 11 changed that. It now has a panel... [+882 chars]']}]}

## Collect news with specific categories using Python and API NEws (e.g. Health & Fitness - for Japan for validation and cross checking of the Data)

```
In [159... # All the payloads in this section
headlines_payload = {'category': 'health', 'country': 'jp'}
everything_payload = {'q': 'fitness', 'language': 'jp', 'sortBy': 'popularity'}
sources_payload = {'category': 'general', 'language': 'jp', 'country': 'jp'}

print(sources_payload)
```

```
{'category': 'general', 'language': 'jp', 'country': 'jp'}
```

```
In [160... # Collect business and technology news with Python and API NEws
r2 = requests.get(url=everything_news_url, headers=headers, params=everything_payload)

responses2 = r2.json()
responses2
```

```

Out[160]: {'status': 'ok',
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      'url': 'https://jp.techcrunch.com/2022/03/11/2022-03-10-quest-2-fitness-tracking-finally-lands-apple-health-integration/',
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      'description': 'バーチャルリアリティの社交場が<a target="_blank" href="https://jp.techcrunch.com/2022/01/24/2022-01-22-get-in-nerds-were-going-to-the-metaverse/" rel="noopener">苦手だ</a>という人を責めるつもりはない。しかし、没入型ヘッドセットを装着して物を殴るというのは、なんだか楽しそうな感じがすることを否定できない。\\r\\n\\r\\n2017年の創業以来、<a target="_blank" href=...',
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```

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## Collect news with specific language only (e.g. English) using Python and API News

```
In [347... # All the payloads in this section
headlines_payload = {'category': 'general', 'country': 'us'}
everything_payload = {'q': 'a', 'language': 'en', 'sortBy': 'popularity'}
sources_payload = {'category': 'general', 'language': 'en', 'country': 'us'}

print(sources_payload)
```

```
{'category': 'general', 'language': 'en', 'country': 'us'}
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```
In [348... # Fire a request based on the requirement, just change the url and the params field

# Request to fetch the top headlines
# response = requests.get(url=top_headlines_url, headers=headers, params=headlines_

# Request to fetch every news article
response2 = requests.get(url=everything_news_url, headers=headers, params=everything

# Request to fetch the sources
# response = requests.get(url=sources_url, headers=headers, params=sources_payload,

# If you just want to print
pretty_json_output = json.dumps(response2.json(), indent=4)
print(pretty_json_output)
print(response2.json())
```

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many tend to celebrate St. Patrick’s Day with a trip to the pub and a plate of cor
ned beef—occasionally forgetting, perhaps, that there’s more to Ireland than depic
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who work in medicine can be some dark mf’ers, and you can see it in their slang.
Not only have doctors and nurses perfected gallows humor, but they can use most o
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ives and wish we could take them everywhere. Many dogs actually do have real jobs
and go to work with their humans every day, whether they’re herding livestock, ai
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and wish we could take them everywhere. Many dogs actually do have real jobs and g

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o to work with their humans every day, whether th... [+2936 chars]'},
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anity today, rest assured: It's not because today is "The Ides of March."Read mor
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ora and we decide, "Nope. Today ...',
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bookstore, it has moved into just about every aspect of our lives. It's now a reta
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duce that we've purchased directly from farmers (or farmers' markets). But that's
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don't have access to affordable f...',
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I'm familiar with navigating\xa0all the unspoken rules of the game. Will we split
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ttle bit of everything all of the time, youd think... [+2649 chars]'},
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read",
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addy's Day," and "amateur hour." It's the day that people who don't drink all that
much decide to really tie one on, and it's the absolute worst day to be at a bar.R
ead more...',
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y, and amateur hour. Its the day that people who dont drink all that much decide to really tie one on, and its the absolute worst da... [+345 chars]'},

{ 'source': { 'id': None, 'name': 'Lifehacker.com' },  
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 'description': 'Substack is a newsletter service that lets you follow specific writers and receive their articles directly to your inbox. Its business model centers around a subscription that allows writers to get paid directly from their audience, (while Substack also gets ...',  
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s. But Windows 11 changed that. It now has a panel... [+882 chars]']}]}
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## Building a Python application to:

### Retrieve all English language news sources. -->> Step1:

```
In [292... # All the endpoints in this section

# To fetch the top headlines
top_headlines_url = 'https://newsapi.org/v2/top-headlines?access_key=YOUR_ACCESS_KEY'
# To fetch news articles
everything_news_url = 'https://newsapi.org/v2/everything?access_key=YOUR_ACCESS_KEY'
# To retrieve the sources
sources_url = 'https://newsapi.org/v2/sources?access_key=YOUR_ACCESS_KEY&limit=100'
```

## Using the language filter insources

```
In [295... # All the payloads in this section
headlines_payload = {'category': 'general', 'country': 'us'}
everything_payload = {'q': 'all', 'language': 'en', 'sortBy': 'publishedAt'}
sources_payload = {'category': 'general', 'language': 'en', 'country': 'us'}

print(sources_payload)

{'category': 'general', 'language': 'en', 'country': 'us'}
```

## Collecting hundreds of news or more with Python and API News

```
In [354... # Request to fetch every news article
response4 = requests.get("https://newsapi.org/v2/everything?language=en&apiKey=1504")

# Request to fetch the top headlines
response6 = requests.get("https://newsapi.org/v2/top-headlines?country=us&language=en")

# Request to fetch the sources
response7 = requests.get("https://newsapi.org/v2/top-headlines/sources?language=en")

# printing
pretty_json_output = json.dumps(response4.json(), indent=4)
print(pretty_json_output)
print(response4.json())

pretty_json_output6 = json.dumps(response6.json(), indent=4)
print(pretty_json_output6)
print(response6.json())

pretty_json_output7 = json.dumps(response7.json(), indent=4)
print(pretty_json_output7)
print(response7.json())
```

```

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Follow here for live news updates.', 'url': 'https://www.cnn.com/europe/live-news/ukraine-russia-putin-news-04-04-22/index.html', 'urlToImage': 'https://dynaimage.cdn.cnn.com/cnn/digital-images/org/a50d405b-4f8a-40db-bdf6-dfe2d35e42a1.jpg', 'publishedAt': '2022-04-04T18:12:00Z', 'content': 'Shocking atrocities in Ukraine, allegedly at the hands of Russian forces, have amplified calls to pursue war crimes charges against Russian President Vladimir Putin.\r\n\r\nImages of at least 20 bodies str... [+2959 chars]'}, {'source': {'id': 'associated-press', 'name': 'Associated Press'}, 'author': 'Terry Spencer', 'title': 'Parkland, Florida, school shooter's jury selection begins - The Associated Press - en Español', 'description': 'FORT LAUDERDALE, Fla. (AP) – Jury selection in the deadliest U.S. mass shooting ever to go to trial began Monday with preliminary screening for the panel that will determine whether Nikolas Cruz will be put to death for murdering 17 students and staff members...', 'url': 'https://apnews.com/article/parkland-florida-school-shooting-nikolas-cruz-trial-0cb079a474a6f0e4a858e595aabee4f0', 'urlToImage': 'https://storage.googleapis.com/afs-prod/media/6cf72d0b6f3540b7a335a81645e4eeff/2736.jpeg', 'publishedAt': '2022-04-04T17:53:18Z', 'content': None}

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News, photos, mock drafts, game scores, player profiles and more!', 'url': 'http://www.bleacherreport.com', 'category': 'sports', 'language': 'en', 'country': 'us'}, {'id': 'bloomberg', 'name': 'Bloomberg', 'description': 'Bloomberg delivers business and markets news, data, analysis, and video to the world, featuring stories from Businessweek and Bloomberg News.', 'url': 'http://www.bloomberg.com', 'category': 'business', 'language': 'en', 'country': 'us'}, {'id': 'breitbart-news', 'name': 'Breitbart News', 'description': 'Syndicated news and opinion website providing continuously updated headlines to top news and analysis sources.', 'url': 'http://www.breitbart.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'business-insider', 'name': 'Business Insider', 'description': 'Business Insider is a fast-growing business site with deep financial, media, tech, and other industry verticals. 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Read trading and investing advice from professionals.', 'url': 'http://business.financialpost.com', 'category': 'business', 'language': 'en', 'country': 'ca'}, {'id': 'football-italia', 'name': 'Football Italia', 'description': 'Italian football news, analysis, fixtures and results for the latest from Serie A, Serie B and the Azzurri.', 'url': 'http://www.football-italia.net', 'category': 'sports', 'language': 'en', 'country': 'it'}, {'id': 'fortune', 'name': 'Fortune', 'description': 'Fortune 500 Daily and Breaking Business News', 'url': 'http://fortune.com', 'category': 'business', 'language': 'en', 'country': 'us'}, {'id': 'four-four-two', 'name': 'FourFourTwo', 'description': 'The latest football news, in-depth features, tactical and statistical analysis from FourFourTwo, the UK's favourite football monthly.', 'url': 'http://www.fourfourtwo.com/news', 'category': 'sports', 'language': 'en', 'country': 'gb'}, {'id': 'fox-news', 'name': 'Fox News', 'description': 'Breaking News, Latest News and Current News from FOXNews.com. Breaking news and video. Latest Current News: U.S., World, Entertainment, Health, Business, Technology, Politics, Sports.', 'url': 'http://www.foxnews.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'fox-sports', 'name': 'Fox Sports', 'description': 'Find live scores, player and team news, videos, rumors, stats, standings, schedules and fantasy games on FOX Sports.', 'url': 'http://www.foxsports.com', 'category': 'sports', 'language': 'en', 'country': 'us'}, {'id': 'google-news', 'name': 'Google News', 'description': 'Comprehensive, up-to-date news coverage, aggregated from sources all over the world by Google News.', 'url': 'https://news.google.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'google-news-au', 'name': 'Google News (Australia)', 'description': 'Comprehensive, up-to-date Australia news coverage, aggregated from sources all over the world by Google News.', 'url': 'https://news.google.com', 'category': 'general', 'language': 'en', 'country': 'au'}, {'id': 'google-news-ca', 'name': 'Google News (Canada)', 'description': 'Comprehensive, up-to-date Canada news coverage, aggregated from sources all over the world by Google News.', 'url': 'https://news.google.com', 'category': 'general', 'language': 'en', 'country': 'ca'}, {'id': 'google-news-in', 'name': 'Google News (India)', 'description': 'Comprehensive, up-to-date India news coverage, aggregated from sources all over the world by Google News.', 'url': 'https://news.google.com', 'category': 'general', 'language': 'en', 'country': 'in'}, {'id': 'google-news-uk', 'name': 'Google News (UK)', 'description': 'Comprehensive, up-to-date UK news coverage, aggregated from sources all over the world by Google News.', 'url': 'https://news.google.com', 'category': 'general', 'language': 'en', 'country': 'gb'}, {'id': 'hacker-news', 'name': 'Hacker News', 'description': 'Hacker News is a social news website focusing on computer science and entrepreneurship. It is run by Paul Graham's investment fund and startup incubator, Y Combinator. In general, content that can be submitted is defined as "anything that gratifies one's intellectual curiosity".', 'url': 'https://news.ycombinator.com', 'category': 'technology', 'language': 'en', 'country': 'us'}, {'id': 'ign', 'name': 'IGN', 'description': 'IGN is your site for Xbox One, PS4, PC, Wii-U, Xbox 360, PS3, Wii, 3DS, PS Vita and iPhone games with expert reviews, news, previews, trailers, cheat codes, wiki guides and walkthroughs.', 'url': 'http://www.ign.com', 'category': 'entertainment', 'language': 'en', 'country': 'us'}, {'id': 'independent', 'name': 'Independent', 'description': 'National morning quality (tabloid) includes free online access to news and supplements. Insight by Robert Fisk and various other columnists.', 'url': 'http://www.independent.co.uk', 'category': 'general', 'language': 'en', 'country': 'gb'}, {'id': 'mashable', 'name': 'Mashable', 'description': 'Mashable is a global, multi-platform media and entertainment company.', 'url': 'https://mashable.com', 'category': 'entertainment', 'language': 'en', 'country': 'us'}, {'id': 'medical-news-today', 'name': 'Medical News Today', 'description': 'Medical news and health news headlines posted throughout the day, every day.', 'url': 'http://www.medicalnewstoday.com', 'category': 'health', 'language': 'en', 'country': 'us'}, {'id': 'msnbc', 'name': 'MSNBC', 'description': 'Breaking news and in-dept



h analysis of the headlines, as well as commentary and informed perspectives from The Rachel Maddow Show, Morning Joe & more.', 'url': 'http://www.msnbc.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'mtv-news', 'name': 'MTV News', 'description': 'The ultimate news source for music, celebrity, entertainment, movies, and current events on the web. It's pop culture on steroids.', 'url': 'http://www.mtv.com/news', 'category': 'entertainment', 'language': 'en', 'country': 'us'}, {'id': 'mtv-news-uk', 'name': 'MTV News (UK)', 'description': 'All the latest celebrity news, gossip, exclusive interviews and pictures from the world of music and entertainment.', 'url': 'http://www.mtv.co.uk/news', 'category': 'entertainment', 'language': 'en', 'country': 'gb'}, {'id': 'national-geographic', 'name': 'National Geographic', 'description': 'Reporting our world daily: original nature and science news from National Geographic.', 'url': 'http://news.nationalgeographic.com', 'category': 'science', 'language': 'en', 'country': 'us'}, {'id': 'national-review', 'name': 'National Review', 'description': 'National Review: Conservative News, Opinion, Politics, Policy, & Current Events.', 'url': 'https://www.nationalreview.com/', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'nbc-news', 'name': 'NBC News', 'description': 'Breaking news, videos, and the latest top stories in world news, business, politics, health and pop culture.', 'url': 'http://www.nbcnews.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'news24', 'name': 'News24', 'description': 'South Africa's premier news source, provides breaking news on national, world, Africa, sport, entertainment, technology and more.', 'url': 'http://www.news24.com', 'category': 'general', 'language': 'en', 'country': 'za'}, {'id': 'new-scientist', 'name': 'New Scientist', 'description': 'Breaking science and technology news from around the world. Exclusive stories and expert analysis on space, technology, health, physics, life and Earth.', 'url': 'https://www.newscientist.com/section/news', 'category': 'science', 'language': 'en', 'country': 'us'}, {'id': 'news-com-au', 'name': 'News.com.au', 'description': 'We say what people are thinking and cover the issues that get people talking balancing Australian and global moments – from politics to pop culture.', 'url': 'http://www.news.com.au', 'category': 'general', 'language': 'en', 'country': 'au'}, {'id': 'newsweek', 'name': 'Newsweek', 'description': 'Newsweek provides in-depth analysis, news and opinion about international issues, technology, business, culture and politics.', 'url': 'https://www.newsweek.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'new-york-magazine', 'name': 'New York Magazine', 'description': 'NYMAG and New York magazine cover the new, the undiscovered, the next in politics, culture, food, fashion, and behavior nationally, through a New York lens.', 'url': 'http://nymag.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'next-big-future', 'name': 'Next Big Future', 'description': 'Coverage of science and technology that have the potential for disruption, and analysis of plans, policies, and technology that enable radical improvement.', 'url': 'https://www.nextbigfuture.com', 'category': 'science', 'language': 'en', 'country': 'us'}, {'id': 'nfl-news', 'name': 'NFL News', 'description': 'The official source for NFL news, schedules, stats, scores and more.', 'url': 'http://www.nfl.com/news', 'category': 'sports', 'language': 'en', 'country': 'us'}, {'id': 'nhl-news', 'name': 'NHL News', 'description': 'The most up-to-date breaking hockey news from the official source including interviews, rumors, statistics and schedules.', 'url': 'https://www.nhl.com/news', 'category': 'sports', 'language': 'en', 'country': 'us'}, {'id': 'politico', 'name': 'Politico', 'description': 'Political news about Congress, the White House, campaigns, lobbyists and issues.', 'url': 'https://www.politico.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'polygon', 'name': 'Polygon', 'description': 'Polygon is a gaming website in partnership with Vox Media. Our culture focused site covers games, their creators, the fans, trending stories and entertainment news.', 'url': 'http://www.polygon.com', 'category': 'entertainment', 'language': 'en', 'country': 'us'}, {'id': 'recode', 'name': 'Recode', 'description': 'Get the latest independent tech news, reviews and analysis from Recode with the most informed and respected journalists in technology and media.', 'url': 'http://www.recode.net', 'category': 'technology', 'language': 'en', 'country': 'us'}, {'id': 'reddit-r-all', 'name': 'Reddit /r/all', 'description': 'Reddit is an entertainment, social news networking service, and news website. Reddit's registered community members can submit content, such as text posts or direct links.', 'url': 'https://www.reddit.com/r/all', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'reuters', 'name': 'Reuters', 'description': 'Reuters.com brings you the latest news from around the world, covering breaking news in business, politics, en

tertainment, technology, video and pictures.', 'url': 'http://www.reuters.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'rte', 'name': 'RT E', 'description': 'Get all of the latest breaking local and international news stories as they happen, with up to the minute updates and analysis, from Ireland's National Broadcaster.', 'url': 'https://www.rte.ie/news', 'category': 'general', 'language': 'en', 'country': 'ie'}, {'id': 'talksport', 'name': 'TalkSport', 'description': 'Tune in to the world's biggest sports radio station - Live Premier League football coverage, breaking sports news, transfer rumours & exclusive interviews.', 'url': 'http://talksport.com', 'category': 'sports', 'language': 'en', 'country': 'gb'}, {'id': 'techcrunch', 'name': 'TechCrunch', 'description': 'TechCrunch is a leading technology media property, dedicated to obsessively profiling startups, reviewing new Internet products, and breaking tech news.', 'url': 'https://techcrunch.com', 'category': 'technology', 'language': 'en', 'country': 'us'}, {'id': 'techradar', 'name': 'TechRadar', 'description': 'The latest technology news and reviews, covering computing, home entertainment systems, gadgets and more.', 'url': 'http://www.techradar.com', 'category': 'technology', 'language': 'en', 'country': 'us'}, {'id': 'the-american-conservative', 'name': 'The American Conservative', 'description': 'Realism and reform. A new voice for a new generation of conservatives.', 'url': 'http://www.theamericanconservative.com/', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'the-globe-and-mail', 'name': 'The Globe And Mail', 'description': 'The Globe and Mail offers the most authoritative news in Canada, featuring national and international news.', 'url': 'https://www.theglobeandmail.com', 'category': 'general', 'language': 'en', 'country': 'ca'}, {'id': 'the-hill', 'name': 'The Hill', 'description': 'The Hill is a top US political website, read by the White House and more lawmakers than any other site -- vital for policy, politics and election campaigns.', 'url': 'http://thehill.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'the-hindu', 'name': 'The Hindu', 'description': 'The Hindu. latest news, analysis, comment, in-depth coverage of politics, business, sport, environment, cinema and arts from India's national newspaper.', 'url': 'http://www.thehindu.com', 'category': 'general', 'language': 'en', 'country': 'in'}, {'id': 'the-huffington-post', 'name': 'The Huffington Post', 'description': 'The Huffington Post is a politically liberal American online news aggregator and blog that has both localized and international editions founded by Arianna Huffington, Kenneth Lerer, Andrew Breitbart, and Jonah Peretti, featuring columnists.', 'url': 'http://www.huffingtonpost.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'the-irish-times', 'name': 'The Irish Times', 'description': 'The Irish Times online. Latest news including sport, analysis, business, weather and more from the definitive brand of quality news in Ireland.', 'url': 'https://www.irishtimes.com', 'category': 'general', 'language': 'en', 'country': 'ie'}, {'id': 'the-jerusalem-post', 'name': 'The Jerusalem Post', 'description': 'The Jerusalem Post is the leading online newspaper for English speaking Jewry since 1932, bringing news and updates from the Middle East and all over the Jewish world.', 'url': 'https://www.jpost.com/', 'category': 'general', 'language': 'en', 'country': 'is'}, {'id': 'the-lad-bible', 'name': 'The Lad Bible', 'description': 'The LAD Bible is one of the largest community for guys aged 16-30 in the world. Send us your funniest pictures and videos!', 'url': 'https://www.theladbible.com', 'category': 'entertainment', 'language': 'en', 'country': 'gb'}, {'id': 'the-next-web', 'name': 'The Next Web', 'description': 'The Next Web is one of the world's largest online publications that delivers an international perspective on the latest news about Internet technology, business and culture.', 'url': 'http://thenextweb.com', 'category': 'technology', 'language': 'en', 'country': 'us'}, {'id': 'the-sport-bible', 'name': 'The Sport Bible', 'description': 'TheSPORTbible is one of the largest communities for sports fans across the world. Send us your sporting pictures and videos!', 'url': 'https://www.thesportbible.com', 'category': 'sports', 'language': 'en', 'country': 'gb'}, {'id': 'the-times-of-india', 'name': 'The Times of India', 'description': 'Times of India brings the Latest News and Top Breaking headlines on Politics and Current Affairs in India and around the World, Sports, Business, Bollywood News and Entertainment, Science, Technology, Health and Fitness news, Cricket and opinions from leading columnists.', 'url': 'http://timesofindia.indiatimes.com', 'category': 'general', 'language': 'en', 'country': 'in'}, {'id': 'the-verge', 'name': 'The Verge', 'description': 'The Verge covers the intersection of technology, science, art, and culture.', 'url': 'http://www.theverge.com', 'category': 'technology', 'language': 'en', 'country': 'us'}, {'id': 'the-wall-street-journal', 'name': 'The Wall Street Journal',

```
'description': 'WSJ online coverage of breaking news and current headlines from the US and around the world. Top stories, photos, videos, detailed analysis and in-depth reporting.', 'url': 'http://www.wsj.com', 'category': 'business', 'language': 'en', 'country': 'us'}, {'id': 'the-washington-post', 'name': 'The Washington Post', 'description': 'Breaking news and analysis on politics, business, world national news, entertainment more. In-depth DC, Virginia, Maryland news coverage including traffic, weather, crime, education, restaurant reviews and more.', 'url': 'https://www.washingtonpost.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'the-washington-times', 'name': 'The Washington Times', 'description': 'The Washington Times delivers breaking news and commentary on the issues that affect the future of our nation.', 'url': 'https://www.washingtontimes.com/', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'time', 'name': 'Time', 'description': 'Breaking news and analysis from TIME.com. Politics, world news, photos, video, tech reviews, health, science and entertainment news.', 'url': 'http://time.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'usa-today', 'name': 'USA Today', 'description': 'Get the latest national, international, and political news at USATODAY.com.', 'url': 'http://www.usatoday.com/news', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'vice-news', 'name': 'Vice News', 'description': 'Vice News is Vice Media, Inc.'s current affairs channel, producing daily documentary essays and video through its website and YouTube channel. It promotes itself on its coverage of "under-reported stories".', 'url': 'https://news.vice.com', 'category': 'general', 'language': 'en', 'country': 'us'}, {'id': 'wired', 'name': 'Wired', 'description': 'Wired is a monthly American magazine, published in print and online editions, that focuses on how emerging technologies affect culture, the economy, and politics.', 'url': 'https://www.wired.com', 'category': 'technology', 'language': 'en', 'country': 'us'}]]
```

## Collect specific news with their index

### Getting the first news:

```
In [355]: r4 = requests.get(url=everything_news_url, headers=headers, params=everything_payload)
responses4 = r4.json()
#print(responses4)

#import numpy as np

#np.dtype(responses4)

# Collecting specific news with their index
responses4['articles'][0]

Out[355]: {'source': {'id': None, 'name': 'Lifehacker.com'},
  'author': 'Emily Long',
  'title': 'The Difference Between a Service Dog and a Therapy Dog',
  'description': 'We probably all consider our dogs essential to our day-to-day lives and wish we could take them everywhere. Many dogs actually do have real jobs and go to work with their humans every day, whether they're herding livestock, aiding search-and-rescue teams, or ...',
  'url': 'https://lifehacker.com/the-difference-between-a-service-dog-and-a-therapy-dog-1848627962',
  'urlToImage': 'https://i.kinja-img.com/gawker-media/image/upload/c_fill,f_auto,f1_progressive,g_center,h_675,pg_1,q_80,w_1200/5742ee49b8035b1430c7e4b0249e71f4.jpg',
  'publishedAt': '2022-03-09T21:00:00Z',
  'content': 'We probably all consider our dogs essential to our day-to-day lives and wish we could take them everywhere. Many dogs actually do have real jobs and go to work with their humans every day, whether th... [+2936 chars]'}
```

Get the 15th news:

```
In [356...] # Collect specific news with their index
responses4['articles'][15]
```

```
Out[356]: {'source': {'id': None, 'name': 'Lifehacker.com'},
  'author': 'Beth Skwarecki',
  'title': 'What to Know About Aphasia (Besides That It Affects Your Speech)',
  'description': 'Bruce Willis’ family wrote on Instagram that the actor will be re
tiring due to health issues, including most recently a diagnosis of aphasia. Aphas
ia is a disorder that can affect a person’s ability to communicate.Read more...',
  'url': 'https://lifehacker.com/what-to-know-about-aphasia-besides-that-it-affects
-you-1848728176',
  'urlToImage': 'https://i.kinja-img.com/gawker-media/image/upload/c_fill,f_auto,fl
_progressive,g_center,h_675,pg_1,q_80,w_1200/4b412a2f25f83cd9b4ec2f6ff595d1ec.jp
g',
  'publishedAt': '2022-03-30T19:17:13Z',
  'content': 'Bruce Willis family wrote on Instagram that the actor will be retirin
g due to health issues, including most recently a diagnosis of aphasia. Aphasia is
a disorder that can affect a persons ability to... [+2838 chars]'}

```

## Get specific data individually using API response objects

### Author

```
In [183...] #print("Author: "+responses['name'][:]['author'])

print("Author: "+responses4['articles'][14]['author'])
```

Author: Stephen Johnson

### Title

```
In [184...] print("Title: "+responses4['articles'][8]['title'])
```

Title: Don't Throw Away Your Mesh Produce Bags

### Description

```
In [185...] print("description: "+responses4['articles'][8]['description'])
```

description: In a perfect world, we'd all eat seasonally available local produce t  
hat we've purchased directly from farmers (or farmers' markets). But that's not an  
option for everyone (especially since there are entire neighborhoods that don't ha  
ve access to affordable f...

### Url

```
In [186...] print("url: "+responses4['articles'][8]['url'])
```

url: https://lifehacker.com/dont-throw-away-your-mesh-produce-bags-1848706794

### Image

```
In [235...] print("urlToImage: "+responses4['articles'][13]['urlToImage'])
from IPython.display import Image
Image(responses4['articles'][13]['urlToImage'])
#plot("urlToImage: "+responses4['articles'][8]['urlToImage'])
```

urlToImage: https://i.kinja-img.com/gawker-media/image/upload/c\_fill,f\_auto,fl\_pro  
gressive,g\_center,h\_675,pg\_1,q\_80,w\_1200/5c45edfec716ec82c07cc28a9984e3c.jpg

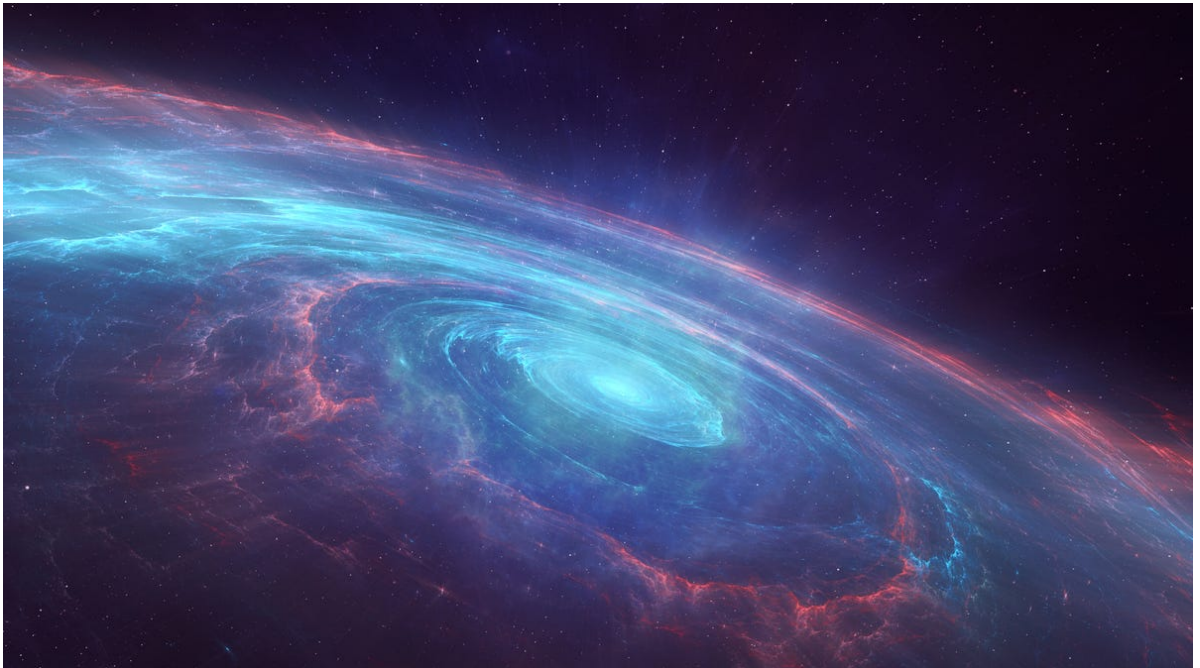
Out[235]:



```
In [236... print("urlToImage: "+responses4['articles'][14]['urlToImage'])
from IPython.display import Image
Image(responses4['articles'][14]['urlToImage'])
```

urlToImage: [https://i.kinja-img.com/gawker-media/image/upload/c\\_fill,f\\_auto,fl\\_progressive,g\\_center,h\\_675,pg\\_1,q\\_80,w\\_1200/c7e2084f9f9edb8aabbf150a6f65f8952.jpg](https://i.kinja-img.com/gawker-media/image/upload/c_fill,f_auto,fl_progressive,g_center,h_675,pg_1,q_80,w_1200/c7e2084f9f9edb8aabbf150a6f65f8952.jpg)

Out[236]:



## Published at

```
In [238... print("Published at: ",responses4['articles'][14]['publishedAt'])
```

Published at: 2022-03-14T18:30:00Z

## Content

```
In [239... print("Content: "+responses4['articles'][14]['content'])
```

Content: Adherents to the simulation hypothesis contend that all existence is a computer simulation, which goes like this: If humans continue to develop computing power as we have been, future generations wil... [+748 chars]



# Scrape hundreds or more news and save them into a CSV file ----->>Step2:

## Saving / Exporting scraped news to CSV file by flattening data

```
In [357... import requests

# Collect 1000 of news or more with Python and API news
r = requests.get(url=everything_news_url, headers=headers, params=everything_payload)

r6 = response6
r7 = response7

responses = r.json()
responses

responses6 = r6.json()
responses6

responses7 = r7.json()
responses7

# Define the collected API responses
apinewsData = responses['articles']

apinewsData6 = responses6['articles']
apinewsData7 = responses7['sources']

# Normalize or unnest the JSON response
from pandas.io.json import json_normalize
flatData = json_normalize(apinewsData)

flatData6 = json_normalize(apinewsData6)
flatData7 = json_normalize(apinewsData7)

# Create data frame, and save them to CSV
import pandas as pd
data = pd.DataFrame(flatData)

data6 = pd.DataFrame(flatData6)
data7 = pd.DataFrame(flatData7)

#df.to_csv(r"G:/python/Data Pipeline/News API/Data Analytics/Test1.csv", encoding =
data.to_csv(r'G:/python/Data Pipeline/News API/Data Analytics/Test1.csv'.format(pd
data6.to_csv(r'G:/python/Data Pipeline/News API/Data Analytics/Test2.csv'.format(pd
data7.to_csv(r'G:/python/Data Pipeline/News API/Data Analytics/Test3.csv'.format(pd
```

```
c:\users\home pc\appdata\local\programs\python\python37\lib\site-packages\ipykerne
l_launcher.py:27: FutureWarning: pandas.io.json.json_normalize is deprecated, use
pandas.json_normalize instead
c:\users\home pc\appdata\local\programs\python\python37\lib\site-packages\ipykerne
l_launcher.py:29: FutureWarning: pandas.io.json.json_normalize is deprecated, use
pandas.json_normalize instead
c:\users\home pc\appdata\local\programs\python\python37\lib\site-packages\ipykerne
l_launcher.py:30: FutureWarning: pandas.io.json.json_normalize is deprecated, use
pandas.json_normalize instead
c:\users\home pc\appdata\local\programs\python\python37\lib\site-packages\ipykerne
l_launcher.py:40: FutureWarning: The pandas.datetime class is deprecated and will
be removed from pandas in a future version. Import from datetime module instead.
c:\users\home pc\appdata\local\programs\python\python37\lib\site-packages\ipykerne
l_launcher.py:41: FutureWarning: The pandas.datetime class is deprecated and will
be removed from pandas in a future version. Import from datetime module instead.
c:\users\home pc\appdata\local\programs\python\python37\lib\site-packages\ipykerne
l_launcher.py:42: FutureWarning: The pandas.datetime class is deprecated and will
be removed from pandas in a future version. Import from datetime module instead.
```

In [ ]:

### Show the data frame

In [361... flatData

Out[361]:

	author	title	description	url	urlToImage	publ
0	Emily Long	The Difference Between a Service Dog and a The...	We probably all consider our dogs essential to...	<a href="https://lifelifehacker.com/the-difference-between-...">https://lifelifehacker.com/the-difference-between-...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	209T2
1	Meredith Dietz	Create a 'Career Search Action Plan' Before Yo...	Searching for a job can feel like a full time ...	<a href="https://lifelifehacker.com/create-a-career-search-...">https://lifelifehacker.com/create-a-career-search-...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	225T1
2	Brendan Hesse	Yes, You Can Game on a Chromebook	PC gaming is rightly considered a "high-end" c...	<a href="https://lifelifehacker.com/yes-you-can-game-on-a-c...">https://lifelifehacker.com/yes-you-can-game-on-a-c...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	204T2
3	Meredith Dietz	How to Organize a Strike (and Win)	Strikes are on the rise. Earlier today, Major ...	<a href="https://lifelifehacker.com/how-to-organize-a-strik...">https://lifelifehacker.com/how-to-organize-a-strik...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	210T2
4	Meredith Dietz	Finally, There's a Wordle Clone for Music-Lovers	Going "viral" used to actually mean something....	<a href="https://lifelifehacker.com/finally-there-s-a-wordl...">https://lifelifehacker.com/finally-there-s-a-wordl...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	214T1
5	Meghan Moravcik Walbert	Do These Two Things Every Time You Rent a Car	Many of us are desperate to hit the road and s...	<a href="https://lifelifehacker.com/do-these-two-things-eve...">https://lifelifehacker.com/do-these-two-things-eve...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	221T1
6	Beth Skwarecki	How to Work a Stretching Session Into Your Day	In March, I've tried to figure out whether I c...	<a href="https://lifelifehacker.com/how-to-work-a-stretchin...">https://lifelifehacker.com/how-to-work-a-stretchin...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	201T1
7	Meredith Dietz	Everything You Should Do on the First Day of a...	Many of us adjusted to WFH life over the past ...	<a href="https://lifelifehacker.com/everything-you-should-d...">https://lifelifehacker.com/everything-you-should-d...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	217T1
8	Claire Lower	8 Ways to Add a Little Luck of the Irish to Yo...	Tomorrow is March 17, also known as "St. Patri...	<a href="https://lifelifehacker.com/8-ways-to-add-a-little-...">https://lifelifehacker.com/8-ways-to-add-a-little-...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	216T1
9	Beth Skwarecki	How Long Is Too Long to Spend on a Machine at ...	If you're new to going to the gym, we have a w...	<a href="https://lifelifehacker.com/how-long-is-too-long-to...">https://lifelifehacker.com/how-long-is-too-long-to...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	204T1
10	Elizabeth Yuko	Why You Should Take a Walk With Someone to Sto...	One of the byproducts of living in a highly po...	<a href="https://lifelifehacker.com/why-you-should-take-a-w...">https://lifelifehacker.com/why-you-should-take-a-w...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	214T1



	author	title	description	url	urlToImage	publ
11	Emily Long	It's Cheaper to Buy a House Than Rent in These...	Whether you rent your home or are in the marke...	<a href="https://lifelifehacker.com/its-cheaper-to-buy-a-ho...">https://lifelifehacker.com/its-cheaper-to-buy-a-ho...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	2 23T11
12	Khamosh Pathak	How to Copy More Than One Thing to Your Clipbo...	You probably use your computer copy and paste ...	<a href="https://lifelifehacker.com/how-to-copy-more-than-o...">https://lifelifehacker.com/how-to-copy-more-than-o...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	2 28T11
13	Jeff Somers	Everything You Need to Know About Stock Splits...	In the nearly 30 years since Amazon launched a...	<a href="https://lifelifehacker.com/everything-you-need-to-...">https://lifelifehacker.com/everything-you-need-to-...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	2 16T11
14	Beth Skwarecki	What the 12-3-30 Workout Gets Wrong (and What ...	The 12-3-30 workout has taken over TikTok, whi...	<a href="https://lifelifehacker.com/what-the-12-3-30-workou...">https://lifelifehacker.com/what-the-12-3-30-workou...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	2 17T11
15	Beth Skwarecki	What to Know About Aphasia (Besides That It Af...	Bruce Willis' family wrote on Instagram that t...	<a href="https://lifelifehacker.com/what-to-know-about-apha...">https://lifelifehacker.com/what-to-know-about-apha...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	2 30T11
16	Pranay Parab	Why You Should Switch to Substack's New App	Substack is a newsletter service that lets you...	<a href="https://lifelifehacker.com/why-you-should-switch-t...">https://lifelifehacker.com/why-you-should-switch-t...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	2 10T11
17	Khamosh Pathak	7 Frustrating New Features in Windows 11 (and ...	Like many things in life, Windows 11 is a mixe...	<a href="https://lifelifehacker.com/7-frustrating-new-featu...">https://lifelifehacker.com/7-frustrating-new-featu...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	2 14T11
18	Jake Peterson	Why Resetting Your iPhone Could Dial 911 (and ...	Smartphones are just tiny computers, and every...	<a href="https://lifelifehacker.com/why-resetting-your-ippo...">https://lifelifehacker.com/why-resetting-your-ippo...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	2 14T11
19	Khamosh Pathak	What Is Microsoft Edge's Efficiency Mode (and ...	Microsoft Edge is a pretty good default browse...	<a href="https://lifelifehacker.com/what-is-microsoft-edges...">https://lifelifehacker.com/what-is-microsoft-edges...</a>	<a href="https://i.kinja-img.com/gawker-media/image/upl...">https://i.kinja-img.com/gawker-media/image/upl...</a>	2 17T11

◀  ▶

In [360...

flatData6

Out[360]:

	author	title	description	
0	Paul Best	Naomi Biden to marry her fiancé at the White H...	President Joe Biden's granddaughter, Naomi Bid...	<a href="https://www.foxn">https://www.foxn</a>
1	Ryan W. Miller, Jorge L. Ortiz and Celina Tebo...	'We saw what happened in Bucha': Biden calls f...	President Joe Biden called for a war crimes tr...	<a href="https://www.usatoday.c">https://www.usatoday.c</a>
2	None	Flight cancellations, delays in Boston continu...	Dozens of flights in and out of Logan have bee...	<a href="https://www.wcvb.corr">https://www.wcvb.corr</a>
3	Mike Isaac, Lauren Hirsch	Elon Musk Becomes Twitter's Largest Shareholde...	The Tesla chief executive, who has been critic...	<a href="https://www.nytimes.com">https://www.nytimes.com</a> ,
4	Vivian Ho, Hugo Lowell, Ed Pilkington, Martin ...	Ketanji Brown Jackson confirmation vote is 'ma...	The Senate judiciary meets today, beginning a ...	<a href="https://www.theguardian">https://www.theguardian</a>
5	Mike Triplett	Philadelphia Eagles, New Orleans Saints shake ...	The Eagles have agreed to trade two of their 2...	<a href="https://www.espn.com/r">https://www.espn.com/r</a>
6	Jay Peters	Valve says it's "ramping up" Steam Deck shipme...	Valve says it's "ramping up" Steam Deck shipme...	<a href="https://www.theverge.com">https://www.theverge.com</a>
7	Lisa Respers France and Chloe Melas, CNN	Kanye West drops out of Coachella - CNN	Kanye West has backed out of headlining Coache...	<a href="https://www.cnn.com/202">https://www.cnn.com/202</a>
8	None	North Carolina outlasting Duke was a mastercla...	Despite going into the Final Four as the proje...	<a href="https://www.youtube.coi">https://www.youtube.coi</a>
9	By <a href="/profiles/aditi-sandal">Aditi Sang...	Russia invades Ukraine: Live updates - CNN	The horrors of Russia's occupation are becomin...	<a href="https://www.cnn.com/eu">https://www.cnn.com/eu</a>
10	Terry Spencer	Parkland, Florida, school shooter's jury selec...	FORT LAUDERDALE, Fla. (AP) — Jury selection in...	<a href="https://apnews.com/a">https://apnews.com/a</a>

	author	title	description	
11	Spencer S. Hsu	US seizes billionaire Vekselberg's yacht in Ru...	The superyacht is owned by Viktor Vekselberg, ...	<a href="https://www.wa">https://www.wa</a>
12	Al Jazeera	Germany takes control of Gazprom unit to ensur...	Gazprom Germania will come under the trustee...	<a href="https://www.aljazeera.com">https://www.aljazeera.com</a>
13	Hilda Flores	All victims killed in downtown Sacramento mass...	All six victims who died in Sunday morning's m...	<a href="https://www.kcra.com/art">https://www.kcra.com/art</a>
14	Ryan Glasspiegel	Nike addresses Tiger Woods wearing FootJoy sho...	Woods, who has been a Nike pitchman since 1996...	<a href="https://nypost.com/202">https://nypost.com/202</a>
15	None	Former handyman pleads guilty in Whitehall wom...	The DA's office said it agreed to a sentence i...	<a href="https://www.wtae.com">https://www.wtae.com</a>
16	Lisa Rein	IRS fights to hire workers to diminish histori...	The agency announced recently that tens of mil...	<a href="https://www.washington">https://www.washington</a>
17	None	Hubble Finds a Planet Forming in an Unconventi...	NASA's Hubble Space Telescope has directly pho...	<a href="https://www.nasa.gov/feat">https://www.nasa.gov/feat</a>
18	None	'Vivid' doubles usable display brightness of t...	Vivid for macOS doubles the usable display bri...	<a href="https://9to5mac.com/202">https://9to5mac.com/202</a>
19	None	JPMorgan's Dimon warns of possible \$1 billion ...	JPMorgan <a href="https://www.reuters.com/comp...	<a href="https://www.reuters.com">https://www.reuters.com</a>

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In [359...

flatData7

Out[359]:

	id	name	description	url	category	language
--	----	------	-------------	-----	----------	----------

0	abc-news	ABC News	Your trusted source for breaking news, analysi...	https://abcnews.go.com	general	en
1	abc-news-au	ABC News (AU)	Australia's most trusted source of local, nati...	http://www.abc.net.au/news	general	en
2	al-jazeera-english	Al Jazeera English	News, analysis from the Middle East and worldw...	http://www.aljazeera.com	general	en
3	ars-technica	Ars Technica	The PC enthusiast's resource. Power users and ...	http://arstechnica.com	technology	en
4	associated-press	Associated Press	The AP delivers in-depth coverage on the inter...	https://apnews.com/	general	en
...	...	...	...	...	...	...
76	the-washington-times	The Washington Times	The Washington Times delivers breaking news an...	https://www.washingtontimes.com/	general	en
77	time	Time	Breaking news and analysis from TIME.com. Poli...	http://time.com	general	en
78	usa-today	USA Today	Get the latest national, international, and po...	http://www.usatoday.com/news	general	en
79	vice-news	Vice News	Vice News is Vice Media, Inc.'s current affair...	https://news.vice.com	general	en
80	wired	Wired	Wired is a monthly American magazine, publishe...	https://www.wired.com	technology	en

81 rows × 7 columns



In [374... `data7.head(20)`

Out[374]:

	id	name	description	url	category	language
0	abc-news	ABC News	Your trusted source for breaking news, analysis...	https://abcnews.go.com	general	en
1	abc-news-au	ABC News (AU)	Australia's most trusted source of local, nati...	http://www.abc.net.au/news	general	en
2	al-jazeera-english	Al Jazeera English	News, analysis from the Middle East and worldw...	http://www.aljazeera.com	general	en
3	ars-technica	Ars Technica	The PC enthusiast's resource. Power users and ...	http://arstechnica.com	technology	en
4	associated-press	Associated Press	The AP delivers in-depth coverage on the inter...	https://apnews.com/	general	en
5	australian-financial-review	Australian Financial Review	The Australian Financial Review reports the la...	http://www.afr.com	business	en
6	axios	Axios	Axios are a new media company delivering vital...	https://www.axios.com	general	en
7	bbc-news	BBC News	Use BBC News for up-to-the-minute news, breaki...	http://www.bbc.co.uk/news	general	en
8	bbc-sport	BBC Sport	The home of BBC Sport online. Includes live sp...	http://www.bbc.co.uk/sport	sports	en
9	bleacher-report	Bleacher Report	Sports journalists and bloggers covering NFL, ...	http://www.bleacherreport.com	sports	en
10	bloomberg	Bloomberg	Bloomberg delivers business and markets news, ...	http://www.bloomberg.com	business	en

	id	name	description	url	category	language
11	breitbart-news	Breitbart News	Syndicated news and opinion website providing ...	http://www.breitbart.com	general	en
12	business-insider	Business Insider	Business Insider is a fast-growing business si...	http://www.businessinsider.com	business	en
13	business-insider-uk	Business Insider (UK)	Business Insider is a fast-growing business si...	http://uk.businessinsider.com	business	en
14	buzzfeed	Buzzfeed	BuzzFeed is a cross-platform, global network f...	https://www.buzzfeed.com	entertainment	en
15	cbc-news	CBC News	CBC News is the division of the Canadian Broad...	http://www.cbc.ca/news	general	en
16	cbs-news	CBS News	CBS News: dedicated to providing the best in j...	http://www.cbsnews.com	general	en
17	cnn	CNN	View the latest news and breaking news today f...	http://us.cnn.com	general	en
18	crypto-coins-news	Crypto Coins News	Providing breaking cryptocurrency news - focus...	https://www.ccn.com	technology	en
19	engadget	Engadget	Engadget is a web magazine with obsessive dail...	https://www.engadget.com	technology	en



In [373... data7.tail(20)

Out[373]:

	id	name	description	url	category
61	techradar	TechRadar	The latest technology news and reviews, coveri...	http://www.techradar.com	technology
62	the-american-conservative	The American Conservative	Realism and reform. A new voice for a new gene...	http://www.theamericanconservative.com/	general
63	the-globe-and-mail	The Globe And Mail	The Globe and Mail offers the most authoritati...	https://www.theglobeandmail.com	general
64	the-hill	The Hill	The Hill is a top US political website, read b...	http://thehill.com	general
65	the-hindu	The Hindu	The Hindu. latest news, analysis, comment, in-...	http://www.thehindu.com	general
66	the-huffington-post	The Huffington Post	The Huffington Post is a politically liberal A...	http://www.huffingtonpost.com	general
67	the-irish-times	The Irish Times	The Irish Times online. Latest news including ...	https://www.irishtimes.com	general
68	the-jerusalem-post	The Jerusalem Post	The Jerusalem Post is the leading online newsp...	https://www.jpost.com/	general
69	the-lad-bible	The Lad Bible	The LAD Bible is one of the largest community ...	https://www.theladbible.com	entertainment
70	the-next-web	The Next Web	The Next Web is one of the world's largest onl...	http://thenextweb.com	technology
71	the-sport-bible	The Sport Bible	TheSPORTbible is one of the largest communitie...	https://www.thesportbible.com	sports
72	the-times-of-india	The Times of India	Times of India brings the Latest News and Top ...	http://timesofindia.indiatimes.com	general
73	the-verge	The Verge	The Verge covers the intersection of technolog...	http://www.theverge.com	technology



	id	name	description	url	category
74	the-wall-street-journal	The Wall Street Journal	WSJ online coverage of breaking news and curre...	http://www.wsj.com	business
75	the-washington-post	The Washington Post	Breaking news and analysis on politics, busine...	https://www.washingtonpost.com	general
76	the-washington-times	The Washington Times	The Washington Times delivers breaking news an...	https://www.washingtontimes.com/	general
77	time	Time	Breaking news and analysis from TIME.com. Poli...	http://time.com	general
78	usa-today	USA Today	Get the latest national, international, and po...	http://www.usatoday.com/news	general
79	vice-news	Vice News	Vice News is Vice Media, Inc.'s current affair...	https://news.vice.com	general
80	wired	Wired	Wired is a monthly American magazine, publishe...	https://www.wired.com	technology



In [256...] `data.dtypes`

```
Out[256]: author      object
title       object
description  object
url         object
urlToImage  object
publishedAt  object
content     object
source.id   object
source.name  object
dtype: object
```

In [259...] `data['title'].astype(str)`

5.04.2022, 03:21

NewsApi\_Data\_Analytics\_Sebastian

Out[259]:

0

Why All Weight Loss Hacks Suck

1

25 of the Best Irish Movies of All Time

2

All the Terrible Slang Your Doctor Is Using Be...

3

The Difference Between a Service Dog and a The...

4

What Is 'the Ides of March,' and Should You Be...

5

Everything You Need to Know About Stock Splits...

6

Why Resetting Your iPhone Could Dial 911 (and ...

7

20 Weeds in Your Garden That You Really Should...

8

Don't Throw Away Your Mesh Produce Bags

9

Just Be Yourself, and Other Dating Myths You S...

10

8 Ways to Add a Little Luck of the Irish to Yo...

11

Finally, There's a Wordle Clone for Music-Lovers

12

Why You Should Switch to Substack's New App

13

When to Tell Your Coworkers Your Salary (and W...

14

7 'Scientific' Theories of How the Universe Fo...

15

8 Easy Ways to Improve (or Replace) Windows 11...

16

How to Stop OneDrive From Spamming You With Em...

17

Everything You Should Do on the First Day of a...

18

Create a 'Career Search Action Plan' Before Yo...

19

7 Frustrating New Features in Windows 11 (and ...

Name: title, dtype: object

In [362... data.describe()

Out[362]:

	author	title	description	url	urlToImage	publishedAt
count	20	20	20	20	20	20
unique	11	20	20	20	20	20
top	Meredith Dietz	The Difference Between a Service Dog and a The...	We probably all consider our dogs essential to...	https://lifehacker.com/the-difference-between-...	https://i.kinja-img.com/gawker-media/image/upl...	2022-03-09T21:00:00Z
freq	4	1	1	1	1	1

In [363... data6.describe()

Out[363]:

	author	title	description	url
count	14	20	20	20
unique	14	20	20	20
top	Paul Best	Naomi Biden to marry her fiancé at the White H...	President Joe Biden's granddaughter, Naomi Bid...	https://www.foxnews.com/us/naomi-biden-grandda...https://static.foxnews.com
freq	1	1	1	1

Out[364]:

	id	name	description	url	category	language	country
count	81	81	81	81	81	81	81
unique	81	81	80	77	7	1	9
top	abc-news	ABC News	Business Insider is a fast-growing business si...	https://news.google.com	general	en	us
freq	1	1	2	5	41	81	55

In [433...]

```
data = pd.DataFrame(flatData7)
print(data)                                     # Print pandas DataFrame
```

	id	name \		description \	url	category	language	country
0	abc-news	ABC News		Your trusted source for breaking news, analysi...	https://abcnews.go.com	general	en	us
1	abc-news-au	ABC News (AU)		Australia's most trusted source of local, nati...	http://www.abc.net.au/news	general	en	au
2	al-jazeera-english	Al Jazeera English		News, analysis from the Middle East and worldw...	http://www.aljazeera.com	general	en	us
3	ars-technica	Ars Technica		The PC enthusiast's resource. Power users and ...	http://arstechnica.com	technology	en	us
4	associated-press	Associated Press		The AP delivers in-depth coverage on the inter...	https://apnews.com/	general	en	us
..	...	...		...	...	...	...	...
76	the-washington-times	The Washington Times		The Washington Times delivers breaking news an...	https://www.washingtontimes.com/	general	en	us
77	time	Time		Breaking news and analysis from TIME.com. Poli...	http://time.com	general	en	us
78	usa-today	USA Today		Get the latest national, international, and po...	http://www.usatoday.com/news	general	en	us
79	vice-news	Vice News		Vice News is Vice Media, Inc.'s current affair...	https://news.vice.com	general	en	us
80	wired	Wired		Wired is a monthly American magazine, publishe...	https://www.wired.com	technology	en	us

[81 rows x 7 columns]

In [261...]

```
#type(responses4)
type(flatData)
```

Out[261]:

pandas.core.frame.DataFrame

In [45]:

```
! pip install datetime
```

Collecting datetime

Downloading DateTime-4.4-py2.py3-none-any.whl (51 kB)

----- 51.7/51.7 KB 882.5 kB/s eta 0:00:00

Requirement already satisfied: pytz in c:\users\home pc\appdata\local\programs\python\python37\lib\site-packages (from datetime) (2021.3)

Collecting zope.interface

Downloading zope.interface-5.4.0-cp37-cp37m-win\_amd64.whl (210 kB)

----- 210.5/210.5 KB 3.2 MB/s eta 0:00:00

Requirement already satisfied: setuptools in c:\users\home pc\appdata\local\programs\python\python37\lib\site-packages (from zope.interface->datetime) (60.9.3)

Installing collected packages: zope.interface, datetime

Successfully installed datetime-4.4 zope.interface-5.4.0

In [427... flatData  
flatData.dtypes

Out[427]: author object  
title object  
description object  
url object  
urlToImage object  
publishedAt object  
content object  
source.id object  
source.name object  
dtype: object

```
In [430... import zipfile
import pandas as pd
from datetime import timedelta
import datetime
import time
from datetime import datetime

import os
import datetime

df = pd.DataFrame(flatData)

groupby = df.groupby('content')
out_zip = zipfile.ZipFile("5837767425.zip", "w")

ts = time.time()
#st = datetime.datetime.fromtimestamp(ts).strftime('%Y-%m-%d %H:%M:%S')

for n, g in groupby:
    print(n)
    csv = g.to_csv(index=False)
    print(csv)
    Time = format(pd.datetime.now().strftime("%Y-%m-%d-%H-%M-%S-%z"))
    #timestamp = str(now.strftime("%Y%m%d_%H%M%S"))
    #current_date_time = datetime.now()
    #dt = datetime.now()
    #ts = datetime.timestamp(dt)
    model_name = "{}.csv"
    path = r'G:/python/Data Pipeline/News API/Data Analytics'
    #.format(model_name,path).split()

    print(Time)
    #csv_file = str(ts), r"F:/Exadel/CSV/{}.csv".format(n)
    #csv_file = timestamp, r"F:/Exadel/CSV/{}.csv".format(n)
    csv_file = r"G:/python/Data Pipeline/News API/Data Analytics/B" + str(Current_I
    #csv_file = r"G:/python/Data Pipeline/News API/Data Analytics/{}.csv".format(n,
```

```
csv_filename = csv_file
with open(csv_filename, 'w') as out_file:
    out_file.write(csv)
out_zip.write(csv_filename)
```

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c:\users\home pc\appdata\local\programs\python\python37\lib\site-packages\ipykernel\_launcher.py:24: FutureWarning: The pandas.datetime class is deprecated and will be removed from pandas in a future version. Import from datetime module instead.

In [410... flatData7  
flatData7.dtypes

Out[410]:

id	object
name	object
description	object
url	object
category	object
language	object
country	object
dtype:	object

In [405... flatData6['author']  
flatData6.dtypes

Out[405]:

author	object
title	object
description	object
url	object
urlToImage	object
publishedAt	object
content	object
source.id	object
source.name	object
dtype:	object

In [424... df6 = pd.DataFrame(flatData6)  
  
groupby6 = df.groupby('content')  
out\_zip6 = zipfile.ZipFile("58377674256.zip", "w")

In [426... for n, g in groupby6:  
    print(n)  
    csv = g.to\_csv(index=False)  
    print(csv)  
    Time = format(pd.datetime.now().strftime("%Y-%m-%d-%H-%M-%S-%z"))  
    #timestamp = str(now.strftime("%Y%m%d\_%H%M%S"))  
    #current\_date\_time = datetime.now()  
    #dt = datetime.now()  
    #ts = datetime.timestamp(dt)  
    model\_name = "{}.csv"  
    path = r'G:/python/Data Pipeline/News API/Data Analytics'  
    #.format(model\_name,path).split()  
  
    print(Time)  
    #csv\_file = str(ts), r"F:/Exadel/CSV/{}.csv".format(n)  
    #csv\_file = timestamp, r"F:/Exadel/CSV/{}.csv".format(n)  
    csv\_file = r"G:/python/Data Pipeline/News API/Data Analytics/C" + str(Current\_

```
#csv_file = r"G:/python/Data Pipeline/News API/Data Analytics/{}.csv".format(n,  
csv_filename = csv_file  
with open(csv_filename, 'w') as out_file:  
    out_file.write(csv)  
out_zip.write(csv_filename)
```

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In the nearly 30 years since Amazon launched as a humble online bookstore, it has moved into just about every aspect of our lives. Its now a retailer, a grocery store, a media streamer, a movie produ... [+4451 chars]

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Many of us adjusted to WFH life over the past two years, maybe even joining the so-called great resignation to avoid a forced return to an in-person office. Given the opportunity to start a remote gi... [+5426 chars]

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Many of us are desperate to hit the road and see somethinganythingother than the inside of our home this spring. Pair that desperation with a nationwide rental car shortage, and you may be so relieve... [+2089 chars]

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PC gaming is rightly considered a high-end computer task. While plenty of games will run on weak or outdated PCs and laptops, the biggest, newest games require powerful hardware and gaming-friendly operating systems like Windows or SteamOS—features that tin...";https://lifehacker.com/yes-you-can-game-on-a-chromebook-1848746540,"https://i.kinja-img.com/gawker-media/image/upload/c\_fill,f\_auto,f\_l\_progressive,g\_center,h\_675,pg\_1,q\_80,w\_1200/a358573206260f6baa81dcd0b8be41e9.jpg",2022-04-04T20:00:00Z,"PC gaming is rightly considered a high-end computer task. While plenty of games will run on weak or outdated PCs and laptops, the biggest, newest games require powerful hardware and gaming-friendly operating systems like Windows or SteamOS—features that tin...";,,Lifehacker.com

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Searching for a job can feel like a full time job itself. It's easy to feel defeated when it feels like you're sending your resume out into the void and hearing nothing back the majority of the time. Maybe you're graduating soon, or making a career pivot, or ...";https://lifehacker.com/create-a-career-search-action-plan-before-you-look-for-1848700028,"https://i.kinja-img.com/gawker-media/image/upload/c\_fill,f\_auto,f\_l\_progressive,g\_center,h\_675,pg\_1,q\_80,w\_1200/0e1803729843394f72d5e8cb19939f8.jpg",2022-03-25T13:30:00Z,Searching for a job can feel like a full time job itself. It's easy to feel defeated when it feels like you're sending your resume out into the void and hearing nothing back the majority of the time. Maybe you're graduating soon, or making a career pivot, or ...";,,Lifehacker.com

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Strikes are on the rise. Earlier today, Major League Baseball and the players union reached a (tentative) agreement for the 2022 season it only took 99 days of a tense lockout to get there. Meanwhile,... [+10390 chars]

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Substack is a newsletter service that lets you follow specific writers and receive their articles directly to your inbox. Its business model centers around a subscription that allows writers to get paid... [+1889 chars]

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The 12-3-30 workout has taken over TikTok, which is a testament to the algorithm and a few influencers' abilities to game it. It's really just treadmill walking, with specific parameters and overblown ... [+5778 chars]

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 2022-03-28T18:30:00Z, "You probably use your computer copy and paste some text, a link, or an image from one place to another dozens of times a day. You probably don't even think about it. That is, until something goes wrong... [ +3890 chars]",,Lifelacker.com

2022-04-05-03-06-32-

c:\users\home pc\appdata\local\programs\python\python37\lib\site-packages\ipykernel\_launcher.py:5: FutureWarning: The pandas.datetime class is deprecated and will be removed from pandas in a future version. Import from datetime module instead.  
 """

```
In [431... df7 = pd.DataFrame(flatData7)

groupby7 = df7.groupby('category')
out_zip = zipfile.ZipFile("58377674257.zip", "w")
```

```
In [432... for n, g in groupby7:
    print(n)
    csv = g.to_csv(index=False)
    print(csv)
    Time = format(pd.datetime.now().strftime("%Y-%m-%d-%H-%M-%S-%z"))
    #timestamp = str(now.strftime("%Y%m%d_%H%M%S"))
    #current_date_time = datetime.now()
    #dt = datetime.now()
    #ts = datetime.timestamp(dt)
    model_name = "{}.csv"
    path = r'G:/python/Data Pipeline/News API/Data Analytics'
    #.format(model_name,path).split()

    print(Time)
    #csv_file = str(ts), r"F:/Exadel/CSV/{}.csv".format(n)
    #csv_file = timestamp, r"F:/Exadel/CSV/{}.csv".format(n)
    csv_file = r"G:/python/Data Pipeline/News API/Data Analytics/D" + str(Current_
    #csv_file = r"G:/python/Data Pipeline/News API/Data Analytics/{}.csv".format(n,
    csv_filename = csv_file
    with open(csv_filename, 'w') as out_file:
        out_file.write(csv)
    out_zip.write(csv_filename)
```

business

id,name,description,url,category,language,country

australian-financial-review,Australian Financial Review,"The Australian Financial Review reports the latest news from business, finance, investment and politics, updated in real time. It has a reputation for independent, award-winning journalism and is essential reading for the business and investor community.",http://www.afr.com,business,en,au

bloomberg,Bloomberg,"Bloomberg delivers business and markets news, data, analysis, and video to the world, featuring stories from Businessweek and Bloomberg News.",http://www.bloomberg.com,business,en,us

business-insider,Business Insider,"Business Insider is a fast-growing business site with deep financial, media, tech, and other industry verticals. Launched in 2007, the site is now the largest business news site on the web.",http://www.businessinsider.com,business,en,us

business-insider-uk,Business Insider (UK),"Business Insider is a fast-growing business site with deep financial, media, tech, and other industry verticals. Launched in 2007, the site is now the largest business news site on the web.",http://uk.businessinsider.com,business,en,gb

financial-post,Financial Post,Find the latest happenings in the Canadian Financial Sector and stay up to date with changing trends in Business Markets. Read trading and investing advice from professionals.,http://business.financialpost.com,business,en,ca

fortune,Fortune,Fortune 500 Daily and Breaking Business News,http://fortune.com,business,en,us

the-wall-street-journal,The Wall Street Journal,"WSJ online coverage of breaking news and current headlines from the US and around the world. Top stories, photos, videos, detailed analysis and in-depth reporting.",http://www.wsj.com,business,en,us

2022-04-05-03-08-46-

entertainment

id,name,description,url,category,language,country

buzzfeed,Buzzfeed,"BuzzFeed is a cross-platform, global network for news and entertainment that generates seven billion views each month.",https://www.buzzfeed.com,entertainment,en,us

entertainment-weekly,Entertainment Weekly,"Online version of the print magazine includes entertainment news, interviews, reviews of music, film, TV and books, and a special area for magazine subscribers.",http://www.ew.com,entertainment,en,us

ign,IGN,"IGN is your site for Xbox One, PS4, PC, Wii-U, Xbox 360, PS3, Wii, 3DS, PS Vita and iPhone games with expert reviews, news, previews, trailers, cheat codes, wiki guides and walkthroughs.",http://www.ign.com,entertainment,en,us

mashable,Mashable,"Mashable is a global, multi-platform media and entertainment company.",https://mashable.com,entertainment,en,us

mtv-news,MTV News,"The ultimate news source for music, celebrity, entertainment, movies, and current events on the web. It's pop culture on steroids.",http://www.mtv.com/news,entertainment,en,us

mtv-news-uk,MTV News (UK),"All the latest celebrity news, gossip, exclusive interviews and pictures from the world of music and entertainment.",http://www.mtv.co.uk/news,entertainment,en,gb

polygon,Polygon,"Polygon is a gaming website in partnership with Vox Media. Our culture focused site covers games, their creators, the fans, trending stories and entertainment news.",http://www.polygon.com,entertainment,en,us

the-lad-bible,The Lad Bible,The LAD Bible is one of the largest community for guys aged 16-30 in the world. Send us your funniest pictures and videos!,https://www.theladbible.com,entertainment,en,gb

2022-04-05-03-08-46-

general

id,name,description,url,category,language,country

abc-news,ABC News,"Your trusted source for breaking news, analysis, exclusive interviews, headlines, and videos at ABCNews.com.",https://abcnews.go.com,general,en,us

abc-news-au,ABC News (AU),"Australia's most trusted source of local, national and world news. Comprehensive, independent, in-depth analysis, the latest business, s

port, weather and more.",[http://www.abc.net.au/news/general,en,au](http://www.abc.net.au/news/general/en,au)

al-jazeera-english,Al Jazeera English,"News, analysis from the Middle East and worldwide, multimedia and interactives, opinions, documentaries, podcasts, long reads and broadcast schedule.",[http://www.aljazeera.com/general,en,us](http://www.aljazeera.com/general/en,us)

associated-press,Associated Press,"The AP delivers in-depth coverage on the international, politics, lifestyle, business, and entertainment news.",<https://apnews.com/general,en,us>

axios,Axios,"Axios are a new media company delivering vital, trustworthy news and analysis in the most efficient, illuminating and shareable ways possible.",<http://www.axios.com/general,en,us>

bbc-news,BBC News,"Use BBC News for up-to-the-minute news, breaking news, video, audio and feature stories. BBC News provides trusted World and UK news as well as local and regional perspectives. Also entertainment, business, science, technology and health news.",<http://www.bbc.co.uk/news/general,en,gb>

breitbart-news,Breitbart News,Syndicated news and opinion website providing continuously updated headlines to top news and analysis sources.,<http://www.breitbart.com/general,en,us>

cbc-news,CBC News,"CBC News is the division of the Canadian Broadcasting Corporation responsible for the news gathering and production of news programs on the corporation's English-language operations, namely CBC Television, CBC Radio, CBC News Network, and CBC.ca.",<http://www.cbc.ca/news/general,en,ca>

cbs-news,CBS News,CBS News: dedicated to providing the best in journalism under standards it pioneered at the dawn of radio and television and continue in the digital age.,<http://www.cbsnews.com/general,en,us>

cnn,CNN,"View the latest news and breaking news today for U.S., world, weather, entertainment, politics and health at CNN",<http://us.cnn.com/general,en,us>

fox-news,Fox News,"Breaking News, Latest News and Current News from FOXNews.com. Breaking news and video. Latest Current News: U.S., World, Entertainment, Health, Business, Technology, Politics, Sports.",<http://www.foxnews.com/general,en,us>

google-news,Google News,"Comprehensive, up-to-date news coverage, aggregated from sources all over the world by Google News.",<https://news.google.com/general,en,us>

google-news-au,Google News (Australia),"Comprehensive, up-to-date Australia news coverage, aggregated from sources all over the world by Google News.",<https://news.google.com/general,en,au>

google-news-ca,Google News (Canada),"Comprehensive, up-to-date Canada news coverage, aggregated from sources all over the world by Google News.",<https://news.google.com/general,en,ca>

google-news-in,Google News (India),"Comprehensive, up-to-date India news coverage, aggregated from sources all over the world by Google News.",<https://news.google.com/general,en,in>

google-news-uk,Google News (UK),"Comprehensive, up-to-date UK news coverage, aggregated from sources all over the world by Google News.",<https://news.google.com/general,en,gb>

independent,Independent,National morning quality (tabloid) includes free online access to news and supplements. Insight by Robert Fisk and various other columnists.,<http://www.independent.co.uk/general,en,gb>

msnbc,MSNBC,"Breaking news and in-depth analysis of the headlines, as well as commentary and informed perspectives from The Rachel Maddow Show, Morning Joe & more.",<http://www.msnbc.com/general,en,us>

national-review,National Review,"National Review: Conservative News, Opinion, Politics, Policy, & Current Events.",<https://www.nationalreview.com/general,en,us>

nbc-news,NBC News,"Breaking news, videos, and the latest top stories in world news, business, politics, health and pop culture.",<http://www.nbcnews.com/general,en,us>

news24,News24,"South Africa's premier news source, provides breaking news on national, world, Africa, sport, entertainment, technology and more.",<http://www.news24.com/general,en,za>

news-com-au,News.com.au,We say what people are thinking and cover the issues that get people talking balancing Australian and global moments – from politics to pop culture.,<http://www.news.com.au/general,en,au>

newsweek,Newsweek,"Newsweek provides in-depth analysis, news and opinion about international issues, technology, business, culture and politics.",<https://www.newsweek.com/general,en,us>

new-york-magazine,New York Magazine,"NYMAG and New York magazine cover the new, the

e undiscovered, the next in politics, culture, food, fashion, and behavior nationally, through a New York lens.",<http://nymag.com/general/en/us>

politico,Politico,"Political news about Congress, the White House, campaigns, lobbyists and issues.",<https://www.politico.com/general/en/us>

reddit-r-all,Reddit /r/all,"Reddit is an entertainment, social news networking service, and news website. Reddit's registered community members can submit content, such as text posts or direct links.",<https://www.reddit.com/r/all/general/en/us>

reuters,Reuters,"Reuters.com brings you the latest news from around the world, covering breaking news in business, politics, entertainment, technology, video and pictures.",<http://www.reuters.com/general/en/us>

rte,RTE,"Get all of the latest breaking local and international news stories as they happen, with up to the minute updates and analysis, from Ireland's National Broadcaster.",<https://www.rte.ie/news/general/en/ie>

the-american-conservative,The American Conservative,Realism and reform. A new voice for a new generation of conservatives.,<http://www.theamericanconservative.com/general/en/us>

the-globe-and-mail,The Globe And Mail,"The Globe and Mail offers the most authoritative news in Canada, featuring national and international news.",<https://www.theglobeandmail.com/general/en/ca>

the-hill,The Hill,"The Hill is a top US political website, read by the White House and more lawmakers than any other site -- vital for policy, politics and election campaigns.",<http://thehill.com/general/en/us>

the-hindu,The Hindu,"The Hindu. latest news, analysis, comment, in-depth coverage of politics, business, sport, environment, cinema and arts from India's national newspaper.",<http://www.thehindu.com/general/en/in>

the-huffington-post,The Huffington Post,"The Huffington Post is a politically liberal American online news aggregator and blog that has both localized and international editions founded by Arianna Huffington, Kenneth Lerer, Andrew Breitbart, and Jonah Peretti, featuring columnists.",<http://www.huffingtonpost.com/general/en/us>

the-irish-times,The Irish Times,"The Irish Times online. Latest news including sport, analysis, business, weather and more from the definitive brand of quality news in Ireland.",<https://www.irishtimes.com/general/en/ie>

the-jerusalem-post,The Jerusalem Post,"The Jerusalem Post is the leading online newspaper for English speaking Jewry since 1932, bringing news and updates from the Middle East and all over the Jewish world.",<https://www.jpost.com/general/en/is>

the-times-of-india,The Times of India,"Times of India brings the Latest News and Top Breaking headlines on Politics and Current Affairs in India and around the World, Sports, Business, Bollywood News and Entertainment, Science, Technology, Health and Fitness news, Cricket and opinions from leading columnists.",<http://timesofindia.indiatimes.com/general/en/in>

the-washington-post,The Washington Post,"Breaking news and analysis on politics, business, world national news, entertainment more. In-depth DC, Virginia, Maryland news coverage including traffic, weather, crime, education, restaurant reviews and more.",<https://www.washingtonpost.com/general/en/us>

the-washington-times,The Washington Times,The Washington Times delivers breaking news and commentary on the issues that affect the future of our nation.,<https://www.washingtontimes.com/general/en/us>

time,Time,"Breaking news and analysis from TIME.com. Politics, world news, photos, video, tech reviews, health, science and entertainment news.",<http://time.com/general/en/us>

usa-today,USA Today,"Get the latest national, international, and political news at USATODAY.com.",<http://www.usatoday.com/news/general/en/us>

vice-news,Vice News,"Vice News is Vice Media, Inc.'s current affairs channel, producing daily documentary essays and video through its website and YouTube channel. It promotes itself on its coverage of ""under - reported stories"".",<https://news.vice.com/general/en/us>

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health

id,name,description,url,category,language,country

medical-news-today,Medical News Today,"Medical news and health news headlines posted throughout the day, every day.",<http://www.medicalnewstoday.com/health/en/us>

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science

id,name,description,url,category,language,country

national-geographic,National Geographic,Reporting our world daily: original nature and science news from National Geographic.,<http://news.nationalgeographic.com>,science,en,us

new-scientist,New Scientist,"Breaking science and technology news from around the world. Exclusive stories and expert analysis on space, technology, health, physics, life and Earth.",<https://www.newscientist.com/section/news>,science,en,us

next-big-future,Next Big Future,"Coverage of science and technology that have the potential for disruption, and analysis of plans, policies, and technology that enable radical improvement.",<https://www.nextbigfuture.com>,science,en,us

2022-04-05-03-08-46-

sports

id,name,description,url,category,language,country

bbc-sport,BBC Sport,"The home of BBC Sport online. Includes live sports coverage, breaking news, results, video, audio and analysis on Football, F1, Cricket, Rugby Union, Rugby League, Golf, Tennis and all the main world sports, plus major events such as the Olympic Games.",<http://www.bbc.co.uk/sport>,sports,en,gb

bleacher-report,Bleacher Report,"Sports journalists and bloggers covering NFL, MLB, NBA, NHL, MMA, college football and basketball, NASCAR, fantasy sports and more. News, photos, mock drafts, game scores, player profiles and more!",<http://www.bleacherreport.com>,sports,en,us

espn,ESPN,"ESPN has up-to-the-minute sports news coverage, scores, highlights and commentary for NFL, MLB, NBA, College Football, NCAA Basketball and more.",<http://espn.go.com>,sports,en,us

espn-cric-info,ESPN Cric Info,"ESPN Cricinfo provides the most comprehensive cricket coverage available including live ball-by-ball commentary, news, unparalleled statistics, quality editorial comment and analysis.",<http://www.espn-cricinfo.com/>,sports,en,us

football-italia,Football Italia,"Italian football news, analysis, fixtures and results for the latest from Serie A, Serie B and the Azzurri.",<http://www.football-italia.net>,sports,en,it

four-four-two,FourFourTwo,"The latest football news, in-depth features, tactical and statistical analysis from FourFourTwo, the UK's favourite football monthly.",<http://www.fourfourtwo.com/news>,sports,en,gb

fox-sports,Fox Sports,"Find live scores, player and team news, videos, rumors, stats, standings, schedules and fantasy games on FOX Sports.",<http://www.foxsports.com>,sports,en,us

nfl-news,NFL News,"The official source for NFL news, schedules, stats, scores and more.",<http://www.nfl.com/news>,sports,en,us

nhl-news,NHL News,"The most up-to-date breaking hockey news from the official source including interviews, rumors, statistics and schedules.",<https://www.nhl.com/news>,sports,en,us

talksport,TalkSport,"Tune in to the world's biggest sports radio station - Live Premier League football coverage, breaking sports news, transfer rumours & exclusive interviews.",<http://talksport.com>,sports,en,gb

the-sport-bible,The Sport Bible,TheSPORTbible is one of the largest communities for sports fans across the world. Send us your sporting pictures and videos!,<http://www.thesportbible.com>,sports,en,gb

2022-04-05-03-08-46-

technology

id,name,description,url,category,language,country

ars-technica,Ars Technica,"The PC enthusiast's resource. Power users and the tools they love, without computing religion.",<http://arstechnica.com>,technology,en,us

crypto-coins-news,Crypto Coins News,"Providing breaking cryptocurrency news - focusing on Bitcoin, Ethereum, ICOs, blockchain technology, and smart contracts.",<http://www.ccn.com>,technology,en,us

engadget,Engadget,Engadget is a web magazine with obsessive daily coverage of everything new in gadgets and consumer electronics.,<https://www.engadget.com>,technology,en,us

hacker-news,Hacker News,"Hacker News is a social news website focusing on computer science and entrepreneurship. It is run by Paul Graham's investment fund and start

up incubator, Y Combinator. In general, content that can be submitted is defined as "anything that gratifies one's intellectual curiosity".",<https://news.ycombinator.com>,technology,en,us  
 recode,Recode,"Get the latest independent tech news, reviews and analysis from Recode with the most informed and respected journalists in technology and media.",<http://www.recode.net>,technology,en,us  
 techcrunch,TechCrunch,"TechCrunch is a leading technology media property, dedicated to obsessively profiling startups, reviewing new Internet products, and breaking tech news.",<https://techcrunch.com>,technology,en,us  
 techradar,TechRadar,"The latest technology news and reviews, covering computing, home entertainment systems, gadgets and more.",<http://www.techradar.com>,technology,en,us  
 the-next-web,The Next Web,"The Next Web is one of the world's largest online publications that delivers an international perspective on the latest news about Internet technology, business and culture.",<http://thenextweb.com>,technology,en,us  
 the-verge,The Verge,"The Verge covers the intersection of technology, science, art, and culture.",<http://www.theverge.com>,technology,en,us  
 wired,Wired,"Wired is a monthly American magazine, published in print and online editions, that focuses on how emerging technologies affect culture, the economy, and politics.",<https://www.wired.com>,technology,en,us

2022-04-05-03-08-46-

```
c:\users\home pc\appdata\local\programs\python\python37\lib\site-packages\ipykernel_launcher.py:5: FutureWarning: The pandas.datetime class is deprecated and will be removed from pandas in a future version. Import from datetime module instead.
"""
```

```
In [416... #print(flatData['author'][2])
#print(flatData)

flatData7['name'][10]
```

Out[416]: 'Bloomberg'

```
In [417... Current_Date
```

Out[417]: '04\_Apr\_2022'

```
In [414... data7
```

Out[414]:

	id	name	description	url	category	language
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0	abc-news	ABC News	Your trusted source for breaking news, analysi...	https://abcnews.go.com	general	en
1	abc-news-au	ABC News (AU)	Australia's most trusted source of local, nati...	http://www.abc.net.au/news	general	en
2	al-jazeera-english	Al Jazeera English	News, analysis from the Middle East and worldw...	http://www.aljazeera.com	general	en
3	ars-technica	Ars Technica	The PC enthusiast's resource. Power users and ...	http://arstechnica.com	technology	en
4	associated-press	Associated Press	The AP delivers in-depth coverage on the inter...	https://apnews.com/	general	en
...	...	...	...	...	...	...
76	the-washington-times	The Washington Times	The Washington Times delivers breaking news an...	https://www.washingtontimes.com/	general	en
77	time	Time	Breaking news and analysis from TIME.com. Poli...	http://time.com	general	en
78	usa-today	USA Today	Get the latest national, international, and po...	http://www.usatoday.com/news	general	en
79	vice-news	Vice News	Vice News is Vice Media, Inc.'s current affair...	https://news.vice.com	general	en
80	wired	Wired	Wired is a monthly American magazine, publishe...	https://www.wired.com	technology	en

81 rows × 7 columns



In [ ]:

In [ ]: