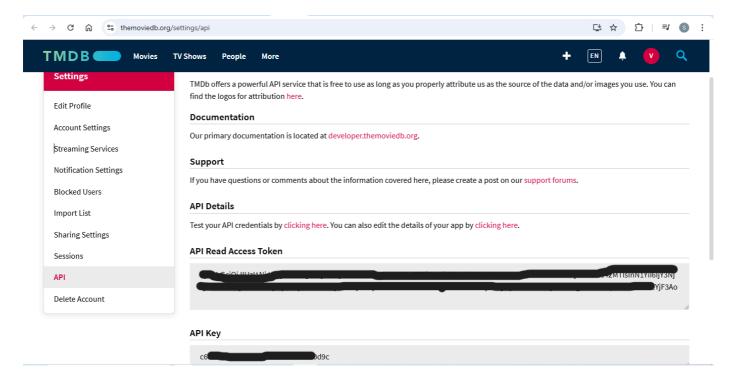
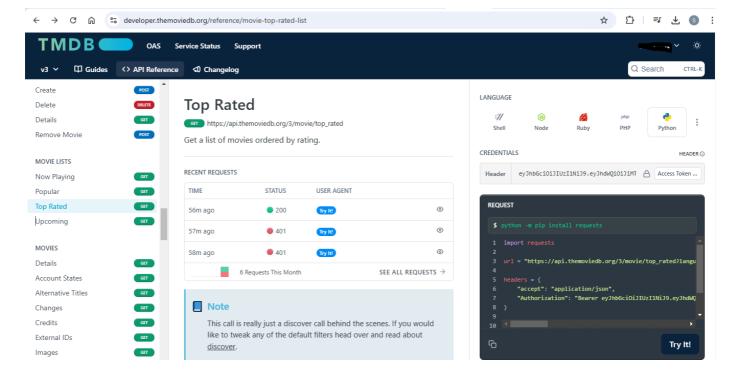
import pandas as pd
import requests





Use your own API Read Access Token in the code below

```
import requests

url = "https://api.themoviedb.org/3/movie/top_rated?language=en-US&page=1"

headers = {
    "accept": "application/json",
    "Authorization": "Bearer {Your API Read Access token}"
}
```

Page 1 (First page): JSON response from API

```
Pretty print 

| Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pretty print | Pret
```

Page 492 (Last Page): JSON response from API

```
Pretty print 

Pretty print 

Presults': false,

"aback'nop path': "/oirrgAPEKpaSlofOntiZirmorH.jpg",

"gener_idd': [23, 12, 14, 878, 53],

'id': laide,

"original_language path': "/oirrgAPEKpaSlofOntiZirmorH.jpg",

"gener_idd': [23, 12, 14, 878, 53],

'id': laide,

"original_language path': "/oirrgAPEKpaSlofOntiZirmorH.jpg",

"gener_idd': [23, 12, 14, 878, 53],

'id': laide,

"original_language path': "/oirrgAPEKpaSlofOntiZirmorH.jpg",

"gener_idd': [23, 12, 14, 878, 53],

'id': laide,

"original_language path': "/oirrgAPEKpaSlofOntiZirmorH.jpg",

"original_language path': "/oirrgAPEKpaSlofOntiZirmorH.jpg",

"original_language path': "/oirrgAPEKpaSlofOntiZirmorH.jpg",

"original_language path': "/oirrgAPEKpaSlofOntiZirmorH.jpg",

"original language path': "/oirrgAPEKpaSlofOntiZirmorH.jpg",

"title": "Origonohal seven will be granted one perfect wish. When the arrival of a dark force triggers a tragedy, Goku and his companions are propelled into an epic quest to collect the swhoever possesses all seven will be granted one perfect wish. When the arrival of a dark force triggers a tragedy, Goku and his companions are propelled into an epic quest to collect the swhoever possesses all seven will be granted one perfect wish. When the arrival of a dark force triggers a tragedy, Goku and his companions are propelled into an epic quest to collect the swhoever possesses all seven will be granted by a dark force triggers a tragedy, Goku and his companions are propelled into an epic quest to collect the swhoever possesses all seven will be granted and perfect wish. When the arrival of a dark force triggers a tragedy, Goku and his companions are propelled into an epic quest to collect the swhoever possesses all seven will be granted and perfect wish. When the arrival of a dark force triggers a tragedy, Goku and his companions are propelled into an epic quest to collect the swhoever possesses all seven will be granted and perfect wish. When the arrival of a dark force triggers a tragedy, Goku and his companions are propelle
```

Page 493: No data or results





Online JSON viewer



response

Response [200]>

response.json()

```
species and must navigate the challenges of adapting to a transformed world together.',
   'popularity': 263.767,
   'poster_path': '/imKSymKBK7o73sajciEmndJoVkR.jpg',
   'release_date': '2024-08-29',
   'title': 'Flow',
   'video': False,
   'vote_average': 8.5,
   'vote count': 414},
  { 'adult': False,
    'backdrop_path': '/suaEOtk1N1sgg2MTM7oZd2cfVp3.jpg',
   'genre_ids': [53, 80],
   'id': 680,
   'original_language': 'en'
   'original_title': 'Pulp Fiction',
   'overview': "A burger-loving hit man, his philosophical partner, a drug-addled gangster's moll
and a washed-up boxer converge in this sprawling, comedic crime caper. Their adventures unfurl in
three stories that ingeniously trip back and forth in time.",
   'popularity': 110.962,
   'poster_path': '/vQWk5YBFWF4bZaofAbv0tShwBvQ.jpg',
   'release_date': '1994-09-10',
   'title': 'Pulp Fiction',
   'video': False,
   'vote_average': 8.487,
   'vote count': 28018},
  {'adult': False,
   'backdrop path': '/8x9iKH8kWA0zdkgNdpAew7OstYe.jpg',
   'genre_ids': [16, 10749, 18],
   'id': 372058,
   'original_language': 'ja',
   'original title': '君の名は。',
   'overview': 'High schoolers Mitsuha and Taki are complete strangers living separate lives. But
one night, they suddenly switch places. Mitsuha wakes up in Taki's body, and he in hers. This
bizarre occurrence continues to happen randomly, and the two must adjust their lives around each
other.',
   'popularity': 86.106,
   'poster_path': '/vfJFJPepRKapMd5G2ro7klIRysq.jpg',
   'release date': '2016-08-26',
   'title': 'Your Name.',
   'video': False,
   'vote_average': 8.5,
   'vote count': 11431},
  {'adult': False,
   'backdrop path': '/5JrZAtyk3LwiiAWLW0kwz41XZJC.jpg',
   'genre_ids': [12, 14, 28],
   'id': 122,
   'original_language': 'en',
   'original_title': 'The Lord of the Rings: The Return of the King',
   'overview': 'As armies mass for a final battle that will decide the fate of the world--and
powerful, ancient forces of Light and Dark compete to determine the outcome--one member of the
Fellowship of the Ring is revealed as the noble heir to the throne of the Kings of Men. Yet, the
sole hope for triumph over evil lies with a brave hobbit, Frodo, who, accompanied by his loyal
friend Sam and the hideous. wretched Gollum. ventures deep into the very dark heart of Mordor on
```

```
response.json()['page']
```

→ 1

```
response.json()['results'][0]
```

```
{'adult': False,
    'backdrop_path': '/zfbjgQE1uSd9wiPTX4VzsLi0rGG.jpg',
    'genre_ids': [18, 80],
    'id': 278,
    'original_language': 'en',
    'original_title': 'The Shawshank Redemption',
    'overview': 'Imprisoned in the 1940s for the double murder of his wife and her lover, upstanding banker Andy Dufresne begins a new life at the Shawshank prison, where he puts his accounting skills to work for an amoral warden. During his long stretch in prison, Dufresne comes to be admired by the other inmates -- including an older prisoner named Red -- for his integrity and unquenchable sense
```

of hope.',

```
'popularity': 157.014,
      'poster_path': '/9cqNxx0GxF0bflZmeSMuL5tnGzr.jpg',
      'release_date': '1994-09-23',
      'title': 'The Shawshank Redemption',
      'video': False,
      'vote_average': 8.708,
      'vote count': 27325}
print(response.json())
** {'page': 1, 'results': [{'adult': False, 'backdrop_path': '/zfbjgQE1uSd9wiPTX4VzsLi0rGG.jpg', 'genre_
print(response.json()['results'][0])
😽 {'adult': False, 'backdrop_path': '/zfbjgQE1uSd9wiPTX4VzsLi0rGG.jpg', 'genre_ids': [18, 80], 'id': 27
df1 = pd.DataFrame(response.json()['results'])
df1
\overline{2}
          adult
                                       backdrop_path genre_ids
                                                                       id original_language original_title
                                                                                                The Shawshank
      0
          False
                     /zfbjgQE1uSd9wiPTX4VzsLi0rGG.jpg
                                                          [18, 80]
                                                                      278
                                                                                           en
                                                                                                    Redemption
          False /tmU7GeKVybMWFButWEGI2M4GeiP.jpg
                                                          [18, 80]
                                                                      238
                                                                                                 The Godfather
                                                                                           en
                                                                                                 The Godfather
      2
          False
                   /kGzFbGhp99zva6oZODW5atUtnqi.jpg
                                                                      240
                                                                                           en
                                                          [18, 80]
                                                                                                         Part II
                                                          [18, 36,
      3
          False
                    /zb6fM1CX41D9rF9hdgclu0peUmy.jpg
                                                                      424
                                                                                                 Schindler's List
                                                                                           en
                                                           107521
                                                             [18]
                                                                      389
          False
                  /bxgTSUenZDHNFerQ1whRKplrMKF.jpg
                                                                                           en
                                                                                                  12 Angry Men
                                                             [16,
                                                                                                干と干尋の神隠
                    /m4TUa2ciEWSlk37rOsjiSIvZDXE.jpg
                                                                      129
          False
                                                                                           ja
                                                        10751, 141
                                                          [35, 18,
                                                                                                 दिलवाले दुल्हनिया
          Ealoo
                    100076ArunOshunuInaRuwYOa Im5 ina
                                                                    10404
                                                                        New interactive sheet
 Next steps:
              Generate code with df1
                                         View recommended plots
```

df2 = df1[['id','original_title','title','popularity','release_date','vote_average','vote_count']]

_	_	1
п	+	•

→		id	original_title	title	popularity	release_date	vote_average	vote_count	
	0	278	The Shawshank Redemption	The Shawshank Redemption	157.014	1994-09-23	8.708	27325	-
	1	238	The Godfather	The Godfather	155.451	1972-03-14	8.690	20737	
	2	240	The Godfather Part	The Godfather Part II	87.158	1974-12-20	8.600	12510	
	3	424	Schindler's List	Schindler's List	89.846	1993-12-15	8.567	15926	
	4	389	12 Angry Men	12 Angry Men	60.134	1957-04-10	8.500	8723	
	5	129	干と干尋の神隠し	Spirited Away	103.989	2001-07-20	8.538	16591	
	6	19404	दिलवाले दुल्हनिया ले जायेंगे	Dilwale Dulhania Le Jayenge	40.482	1995-10-20	8.500	4446	
	7	155	The Dark Knight	The Dark Knight	134.567	2008-07-16	8.500	33025	
	8	497	The Green Mile	The Green Mile	110.512	1999-12-10	8.500	17544	
	9	496243	기생충	Parasite	96.558	2019-05-30	8.505	18383	
	10	823219	Straume	Flow	263.767	2024-08-29	8.500	414	
	11	680	Pulp Fiction	Pulp Fiction	110.962	1994-09-10	8.487	28018	
	12	372058	君の名は。	Your Name.	86.106	2016-08-26	8.500	11431	
	13	122	The Lord of the Rings: The Return of the King	The Lord of the Rings: The Return of the King	128.131	2003-12-17	8.500	24323	
	14	13	Forrest Gump	Forrest Gump	99.977	1994-06-23	8.470	27536	

Next steps:

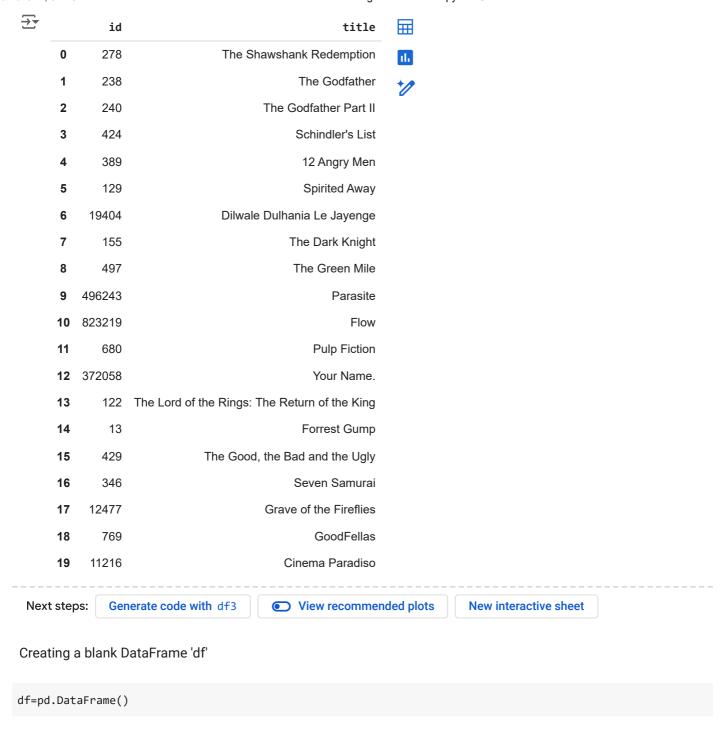
Generate code with df2

View recommended plots

New interactive sheet

df3 = pd.DataFrame(response.json()['results'])[['id','title']]

df3



Total 492 pages with 9822 results

To get data from all 492 pages and storing them in a DataFrame 'df'

```
for i in range(1,493):
    url = "https://api.themoviedb.org/3/movie/top_rated?language=en-US&page={}".format(i)
    headers = {
    "accept": "application/json",
    "Authorization": "Bearer eyJhbGciOiJIUzI1NiJ9.eyJhdWQiOiJiMTdlOTAOMmM3MWMyY2M5YzViZTc4ODQ2N2U2NzMzZCI
    response = requests.get(url, headers=headers)
    temp_df = pd.DataFrame(response.json()['results'])[['id','original_title','title','popularity','relea
    df = pd.concat([df, temp_df], ignore_index=True)
```

3		id	original_title	title	popularity	release_date	vote_average	vote_count
	0	278	The Shawshank Redemption	The Shawshank Redemption	157.014	1994-09-23	8.708	27325
	1	238	The Godfather	The Godfather	155.451	1972-03-14	8.690	20737
	2	240	The Godfather Part II	The Godfather Part II	87.158	1974-12-20	8.600	12510
	3	424	Schindler's List	Schindler's List	89.846	1993-12-15	8.567	15926
	4	389	12 Angry Men	12 Angry Men	60.134	1957-04-10	8.500	8723
ç	9817	74849	The Star Wars Holiday Special	The Star Wars Holiday Special	18.969	1978-11-17	3.300	461
ę	9818	5491	Battlefield Earth	Battlefield Earth	16.134	2000-05-12	3.300	847
Next steps	teps:	Gener	rate code with df	View rec	ommended plot	ts New into	New interactive sheet	

→ (9822, 7)

Loading the DataFrame to a CSV file

```
df.to_csv('movies.csv')
df.info()
<class 'pandas.core.frame.DataFrame'>
    RangeIndex: 9822 entries, 0 to 9821
    Data columns (total 7 columns):
    # Column Non-Null Count Dtype
    ---
     0 id
                     9822 non-null int64
     1 original_title 9822 non-null object
              9822 non-null object
     2 title
                    9822 non-null float64
     3 popularity
```

4 release_date 9822 non-null object 5 vote_average 9822 non-null float64 6 vote_count 9822 non-null int64 dtypes: float64(2), int64(2), object(3) float64

memory usage: 537.3+ KB

	ci.ioi	emory usage: 537.5+ KB										
df.he	ad()											
→		id	The Shaws		_title	title	popularity	release_date		vote_average	vote_count	
	0 2	278			vshank mption	The Shawshank Redemption	157.014	199	94-09-23	8.708	27325	11.
	1 2	238	The Godfather The Godfather Part II			The Godfather	155.451	197	72-03-14	8.690	20737	
	2 2	240				The Godfather Part II	87.158	87.158 1974-12-20		8.600 1:	12510	10
	3 4	124		Schindle	er's List	Schindler's List	89.846	199	93-12-15	8.567	15926	
Next	t step	s:	Generate code with df		View rec	View recommended plots		New into	eractive sheet			
df.ta	il()											
→			id	origi	nal_title	title	popularity	relea	se_date	vote_average	vote_count	
	9817	7 7	74849 The Star V Holiday Spe		e Star Wars day Special	More Helidey	18.969	19	78-11-17	3.300	461	11.
	9818	3	5491	91 Battlefield Earth		Battlefield Earth	16.134	200	00-05-12	3.300	847	
	9819	9819 12142 Alone in the Dark		Alone in the Dark	13.491	13.491 2005-01-28		3.244	607			
df.de	scrib	oe()										
→				id	populari	ty vote_avera	ge vote_c	ount				
	coul	nt	9.8220	00e+03	9822.0000	00 9822.0000	00 9822.000	22.000000				
	mea	ın	1.9735	11e+05	28.6764	79 6.6313	31 1974.592	2446				
	std	ı	2.6196	11e+05	59.6255	86 0.7821	76 3131.34	5856				