

# Code Examples

April 23, 2020

```
[1]: !pip install requests
import json
import requests
```

Requirement already satisfied: requests in /opt/conda/lib/python3.7/site-packages (2.12.4)

```
[11]: import pandas as pd
```

```
[6]: #API for NAICS lookup
yr = 2012
code = 519120
url = f"http://naics.codeforamerica.org/v0/q?year={yr}&code={code}"
requests.get(url)
```

```
[6]: <Response [200]>
```

```
[15]: yr = 2012
code = 519120
url = f"http://naics.codeforamerica.org/v0/q?year={yr}&code={code}"
response = requests.get(url)
data = response.json()
data
```

```
[15]: {'index': ['Archives',
               'Bookmobiles',
               'Centers for documentation (i.e., archives)',
               'Circulating libraries',
               'Film archives',
               'Lending libraries',
               'Libraries (except motion picture stock footage, motion picture commercial distribution)',
               'Motion picture film libraries, archives',
               'Music archives',
               'Reference libraries'],
       'code': 519120,
       'description': ['This industry comprises establishments primarily engaged in providing library or archive services. These establishments are engaged in
```

maintaining collections of documents (e.g., books, journals, newspapers, and music) and facilitating the use of such documents (recorded information regardless of its physical form and characteristics) as are required to meet the informational, research, educational, or recreational needs of their user. These establishments may also acquire, research, store, preserve, and generally make accessible to the public historical documents, photographs, maps, audio material, audiovisual material, and other archival material of historical interest. All or portions of these collections may be accessible electronically.'],

```
'title': 'Libraries and Archives',
'seq_no': 1475,
'crossrefs': [{'text': 'Providing stock footage (via motion picture and video
tape libraries) to the media, multimedia, and advertising industries--are
classified in U.S. Industry 512199, Other Motion Picture and Video Industries;',
'code': '512199'},
{'text': 'Providing stock music to the media, multimedia, and advertising
industries--are classified in Industry 512290, Other Sound Recording
Industries;',
'code': '512290'},
{'text': 'Providing stock photos to the media, multimedia, and advertising
industries--are classified in Industry 519190, All Other Information Services;
and',
'code': '519190'},
{'text': 'Distributing film and video productions to motion picture theaters,
television networks and stations, and exhibitors--are classified in Industry
512120, Motion Picture and Video Distribution.',
'code': '512120'}]]}
```

```
[17]: url = f"http://naics.codeforamerica.org/v0/q?year=2012&code=519120"
response = requests.get(url)
data = response.json()
naics = data['index']
data_df = pd.DataFrame(naics)
data_df
```

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[17]:
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Archives
Bookmobiles
Centers for documentation (i.e., archives)
Circulating libraries
Film archives
Lending libraries
Libraries (except motion picture stock footage...
Motion picture film libraries, archives
Music archives
Reference libraries
```

[ ]: