

how to scrape data

in five minutes
(using Python)

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what is web scraping

extract data from
websites into a useful
format



sample use cases

- monitor pricing
- track scores
- automate data collection
- conduct data experiment / research

step 1: know what
you are scraping

W List of cocktails - Wikipedia

Secure | https://en.wikipedia.org/wiki/List_of_cocktails

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Expanded articles are linked. Cocktails without separate articles are listed below, along with their primary ingredients and notable facts.^[1]

This article is *not* intended to be a comprehensive list of all cocktails or every variation thereof, and cocktails for which sufficient information is not available are not included.

Absinthe

[edit]

div

div-col.columns.column-width | 869.41 × 45.39

Absinthe

• Death in the Afternoon

• Earthquake

• Green Russians

• Green Vesper

• Moloko Plus

Beer

[edit]

ElementsConsoleSourcesNetworkPerformanceMemoryApplicationSecurityAudits

milk

" or "

cream

", "

spices

", or other flavorings. Cocktails may vary in their ingredients from bartender to bartender, and from region to region. Two creations may have the different because of differences in how the drinks are prepared."

</p>

▶<p>...</p>

▶...

▶<div style="clear: right; margin-bottom: .5em; float: right; padding: .5em 0 .8em 1.4em; background: none; width: auto;">...</div>

▶<h2>...</h2>

▶<div role="note" class="hatnote navigation-not-searchable">...</div>

▼<div class="div-col columns column-width" style="-moz-column-width: 20em; -webkit-column-width: 20em; column-width: 20em;">...</div> == \$0

▶...

</div>

step 2: connect to
the page



```
(scrapevenv) $ pip install requests
```

```
# drinks.py
```

```
import requests
```

```
page = requests.get('https://en.wikipedia.org/wiki/List_of_cocktails')
```

```
html = page.text
```


step 3: parse html


```
(scrapevenv) $ pip install beautifulsoup4
```

```
import requests
```

```
from bs4 import BeautifulSoup
```

```
def get_drink_links():
```

```
    page = requests.get('https://en.wikipedia.org/wiki
```

```
    soup = BeautifulSoup(page.text, 'html.parser')
```

```
    domain = 'https://en.wikipedia.org'
```

```
    drinks_in_categories = soup.find_all(
        "div", class_="div-col columns column-width")
```

```
    drink_recipe_links = []
```

```
    for category in drinks_in_categories:
```

```
        for link in category.find_all('a'):
```

```
            # /wiki/Death_in_the_Afternoon_(cocktail)
```

```
            relative_url = link.get('href')
```

```
            recipe_link = f'{domain}{relative_url}'
```

```
            drink_recipe_links.append(recipe_link)
```

```
    return drink_recipe_links
```


Thank you!