



Web Scraping

With Python



What is Web Scraping?

Data extraction from web(Ranging from manual copy paste to complex automations)

Websites come in different formats resulting in need of different web scrapers. The core process remains the same though.

Loading the HTML code for the page

Parse and extract structure

Store data in database



Applications of Web Scrapping

- Market Research
- News & Content Monitoring
- Lead generation
- Data(base) enrichment
- Among many others



Popular Web Scraping Tools

[Selenium](#)

[Scrapy](#)

[Web Scraper\(Chrome Extension\)](#)

[ParseHub](#)



DEMO

Scrape data from Zomato([Code](#))



Activity

Step 1: Scrape data from [Swiggy](#) to create the following data frame:

Restaurant Name	Cuisine	Rating	Price for two	Location	URL

The cuisine list to be put in the search are: Italian, Chinese, North Indian

Step 2: Answer the following questions:

- Which cuisine is most preferred among the three?
- Which locations have the most popular restaurants?
- Is there any cost/ cuisine correlation with low rated and high rated restaurants?



Helpful Links

- <https://towardsdatascience.com/web-scraping-using-selenium-python-8a60f4cf40ab>
- <https://towardsdatascience.com/using-scrapy-to-build-your-own-dataset-64ea2d7d4673>