

Through this experience, I've gained the skills necessary to undertake a comprehensive web-scraping and data analysis project. I can now confidently navigate HTML structures, identify elements by their attributes such as id and class, and effectively extract targeted information using both automated browsing tools like Splinter and parsing libraries such as BeautifulSoup. This includes scraping diverse types of data such as HTML tables and multiple instances of recurring elements like news articles from websites.

As I approach future projects, I recognize that these skills not only empower me to gather and organize data efficiently but also enable deeper analysis and the effective communication of insights through visualization. This continual development strengthens my proficiency in key areas of data science: data collection, organization, storage, analysis, and presentation.