Introduction to Web Scraping with R

Summary



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Level Up!

Skills

HTML Nerdery Regex Magic XPath Mastery Selenium Wizardry Ethical Awareness API Brilliancy



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Skills



Bonus skill: JSON Connoisseur 🙀



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- know the basics of JSON, a standard web data interchange format.
- learned how to access APIs using R from scratch, even if this involves authentication.

R packages encountered

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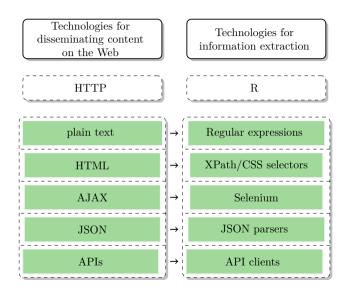
R packages encountered

- the stringr package for string manipulation with regular expressions
- the xml2 package for working with XML/HTML files
- the rvest package for downloading and manipulating HTML files
- the RSelenium package to connect to the Selenium API and scrape dynamic webpages
- the jsonlite package for working with JSON data
- lots of other packages that serve as clients for web APIs

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- Are you on social media? Try to read out your data using one of the existing R social media clients!
- Check out some of the following online resources:
 - http://www.json.org/ everything you need to know about JSON
 - https://ropensci.org/packages/ a great resource for R web clients relevant for the scientific communty and beyond



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- Get inspired by cutting-edge social science research that exploits web data!
- And finally: Stay safe during your scraping adventures!