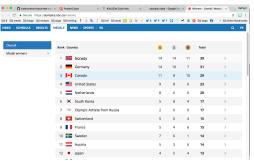
Web scraping in R using the rvest package

R Ladies Meetup

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What is web scraping and why is it useful?

Say you want to download some data off a website to do some analysis:



- You could manually copy and paste the data into a spreadsheet, but it would take a long time.
- Web scraping is a faster alternative to this

What is web scraping and why is it useful?

- Web scraping is basically automating the collection/download of unstructured data from online sources into a format you can use, e.g., plain text, csv, JSON, etc
- You can web scrape in lots of languages (e.g., python, java, and R!)

Some popular approaches to web scraping:

- 1. Text pattern matching with regular expressions
- 2. Using an API
- 3. Parsing a website (what we'll do)
- I'll go through a simple parsing example
- If you're using an API or something more complex, you may need more technical skills/tools than rvest

Scraping in rvest

- Knowing some basics of HTML and CSS is helpful (but not required for the basics)
- You can use the SelectorGadget chrome extension to find the necessary tags

The rvest package was inspired by 'Beautiful Soup' in python; created by Hadley Wickham (of course)

Example of webscraping with rvest

Attempt at a live demo