# Introduction to Web Scraping with R

Summary

```
technologies
source sources
quality indexmarginnote
ref web part collection one
xml the chapter html use example
information jsontechniques
documents can book general
```

Simon Munzert | IPSDS

Veb Scraping with R Simon Munz

# Level Up!

## Skills

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



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



Congrats!

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## Skills





Bonus skill: SelectorGadget Hero 🙀



You...

Web Scraping with R Simon Mun:

#### You...

• know how to access and parse HTML source code.

Web Scraping with R Simon Mur

#### You...

- know how to access and parse HTML source code.
- have learned ways to identify and extract specific elements from HTML documents.

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- know how to access and parse HTML source code.
- have learned ways to identify and extract specific elements from HTML documents.
- have learned XPath, an XML/HTML query language.

Veb Scraping with R Simon Munze

#### You...

- know how to access and parse HTML source code.
- have learned ways to identify and extract specific elements from HTML documents.
- have learned XPath, an XML/HTML query language.
- never ever again have to copy and paste HTML tables by hand.

Veb Scraping with R Simon Mun:

# 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

Web Scraping with R Simon Mun

• Start scraping data from your favorite web pages

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- Force yourself to write XPath expressions from scratch and test them in the wild

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- Check out some of the following online resources:
  - http://flukeout.github.io/ a great interactive tutorial to learn how CSS selectors work
  - https://cran.r-project.org/web/packages/rvest/rvest.pdf literally the documentation of the rvest package
  - http://cran.r-project.org/web/views/WebTechnologies.html CRAN Task View on Web Technologies and Services - useful to stay in the loop of what's possible with R

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