Tools

Peter M. Dahlgren, JMG

2016-11-25

Here you will find various tools related to web scraping and data retrieval, data wrangling, data visualization, and programming.

All tools are open source, free or freemium.

Tools for Web Scraping

Coming soon.

Tools for Social Media Data Mining

Tools for social media analytics, retrieve messages etc.

- Shared Count. Input a link and get the number of times it has been shared, liked och commented on Facebook, Google+, Pinterest, LinkedIn and StumbleUpon.
- BuzzSumo. Search for content published on Facebook and Twitter.
- The Digital Methods Initiative. Tools for gathering research data from Twitter, Facebook, Google etc. Source code available.

Tools for Managing Data

Like Excel.

- Google Fusion Tables.
- Git. Git is a popular version control software that help you keep track of file changes. Especially useful for keeping track of code.

Tools for Data Visualization

- Tableau. Easy to use software for visualization.

- ggplot in R. Visualizations for data science. Requires programming knowledge in R.
- D3.js. Create visualizations for the web. Requires programming knowledge in JavaScript.

Tools for Programming

Programming Languages

- Python and Anaconda, which contains Jupyter Notebooks.
- R and code editor RStudio.

Code Editors

- Sublime Text. Lightweight, works on Windows, Mac and Linux.
- Visual Studio Code. Lightweight, works on Windows, Mac and Linux.
- Visual Studio Community. Heavy, works on Windows and Mac.

Big Data

- Google Big Query. Perform analysis on big data with Googles services.
- Apache Spark. Cluster computing (will work on any computer as well). Requires that you install it on your own server. Useful to run with Jupyter Notebooks. A hosted alternative is provided by Databricks, among others.

Swedish Tools Only

- Twittercensus. Svenska Twitter.
- Sociala Nyheter. Nyheter delade i Sverige (dock felaktig delningsstatistik).
- Datajournalistik.se. Lista med smarta verktyg för datajournalistik.

Resources

Find more resources at A curated list of awesome lists over at GitHub.