

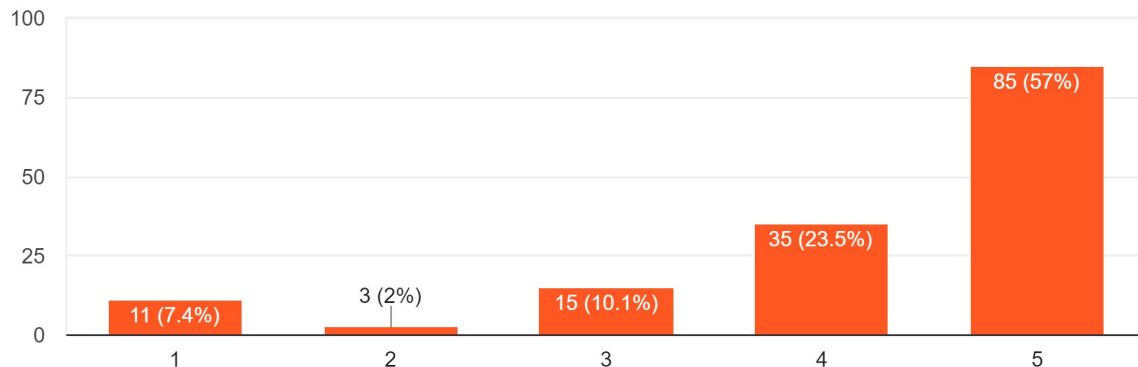
Supporting Tools for the Social Sciences

@danielagduca

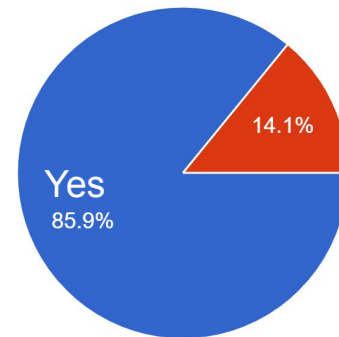
Software in social science

How important is research software to your work?

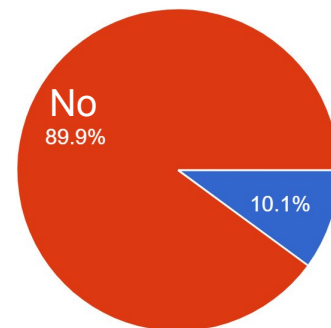
149 responses



Do you use research software?



Do you develop your own research software?



A SAGE
White Paper

2019

The Ecosystem of Technologies for Social Science Research

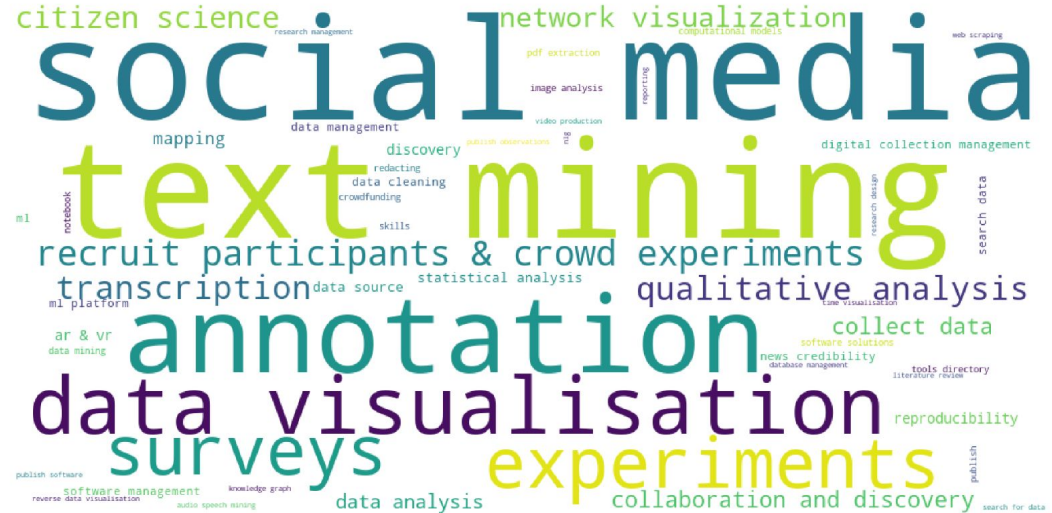
Daniela Duca, PhD
Product Manager, SAGE Publishing

Katie Metzler
Associate Vice President Product Innovation, SAGE Publishing

www.sagepublishing.com



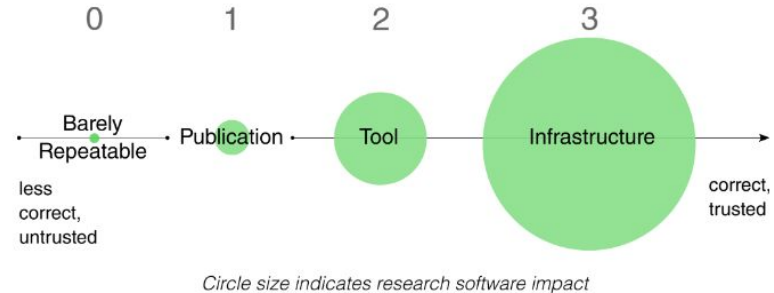
All 543 tools by competitive cluster



Latest: bit.ly/31fGff6

Tools, footnote

cloud and locally installed apps, software applications, packages and code, licensed and open source, essentially any piece of code, whether neatly packaged within an interface or delivered raw on GitHub and used by academic researchers



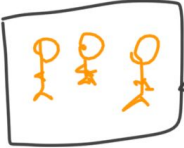
10.5281/zenodo.4761866

COLLECTION & Analysis



API
Scrape

Data



Surveys
Interviews
Experiments



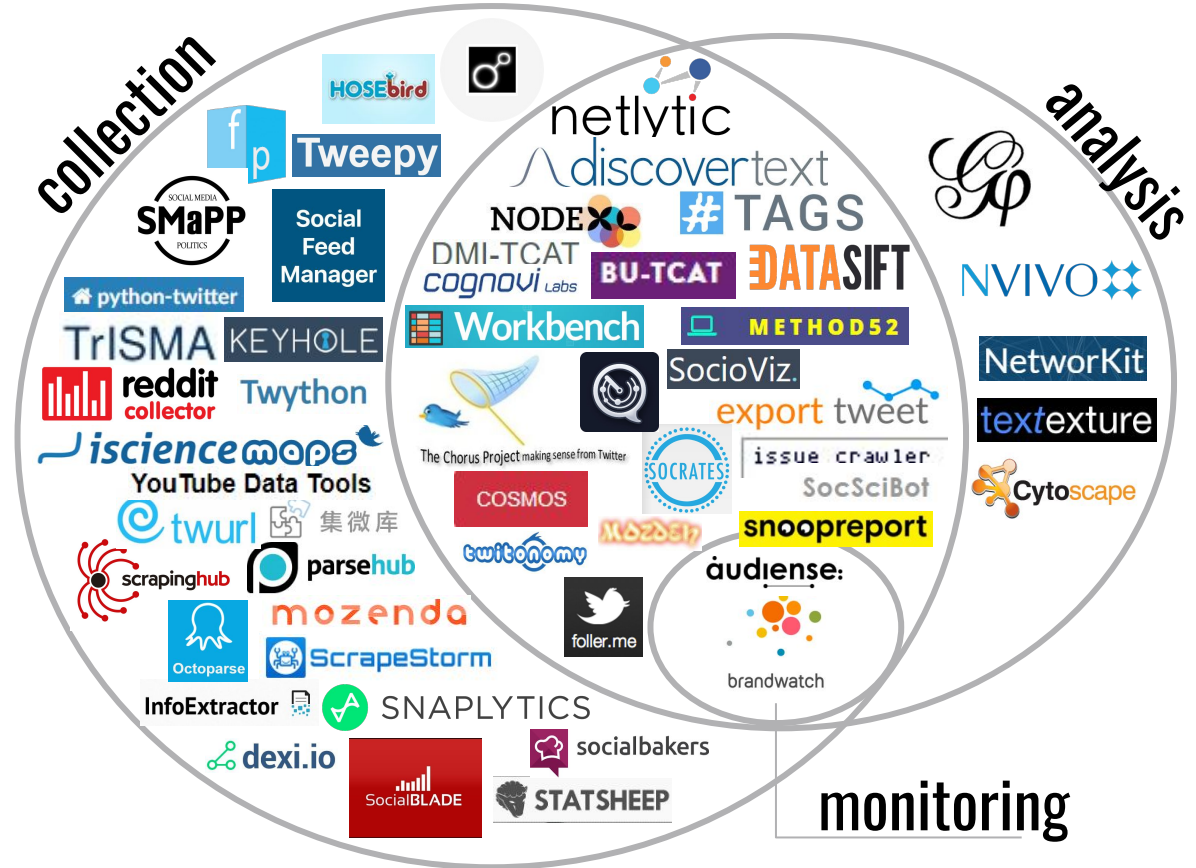
Results
Outputs
More data
Ideas



Tools
focusing on
data collection
and analysis

Social media analysis tools

- A lot of tools, esp for **twitter**
- Somewhat hard to automate text analysis
- Very little on image analysis



Enrich



Reduce



Collect & convert



Vector embed



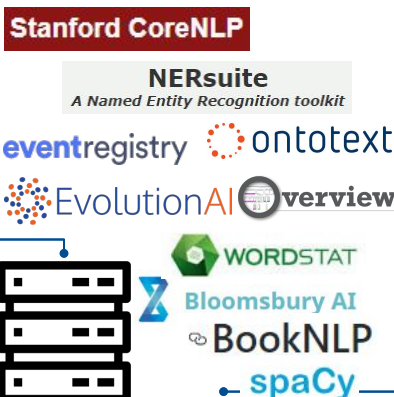
Summarize



Profile & explore



Extract information



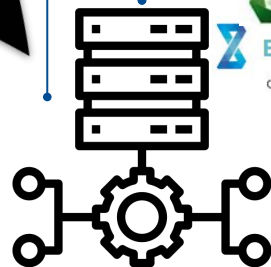
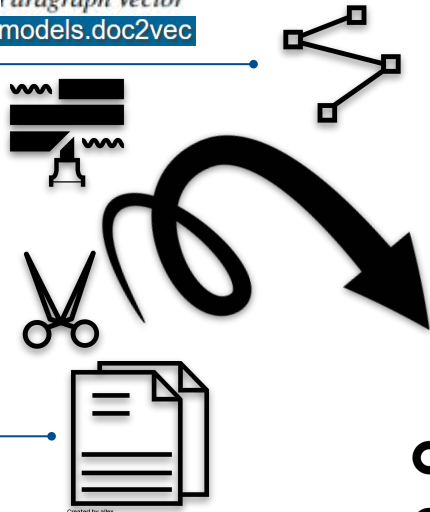
Sentiment & opinion



Topic modelling



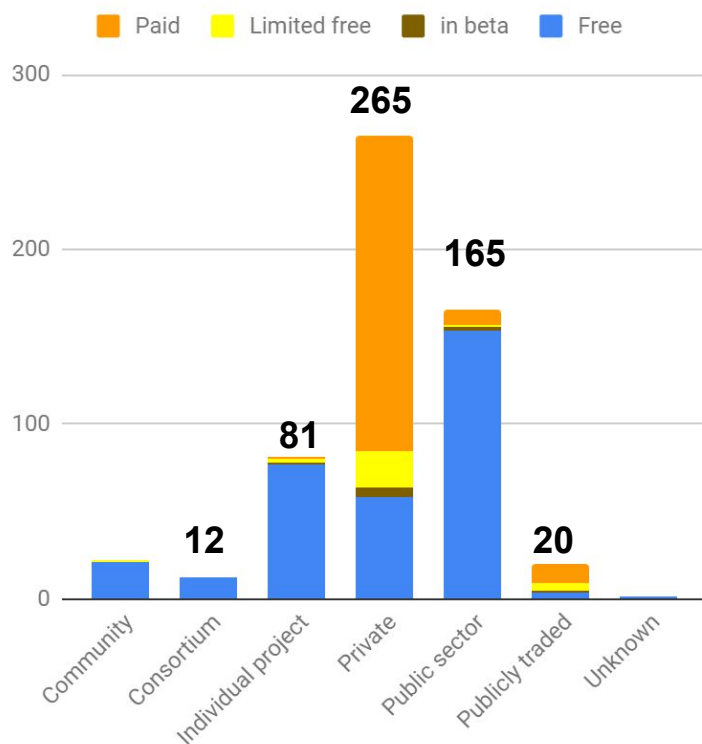
Classification



SAGE Text mining in social sciences
Publishing

Who's behind the tools?

Tools by ownership and charge



MIT Open Source	13
BSD-3-Clause License	3
Apache 2.0 open source	10
GNU General Public License v3 (GPLv3)	3

Insights: successful tools

Open Source/Free

- Team or individual dedicated fully to raising funds up to \$6M
- When applicable beyond academia backed by a growing and large community
- Sell a component or comm use



Commercial

- Applicability beyond academia
- VC-backing up to \$400M
- Big brand clients
- Founding team with business background



Tools we funded

knowsi 

- ★ Measuring experience in VR
- ★ Homicide Media Tracker
- ★ Oolong
- ★ Touch Capture Pro
- ★ Exploratory Labeling Assistant

TextWash


 TagWorks

quanteda
Quantitative Analysis of Textual Data



MiniVAN (Visual Analyser of Networks)

**Grants to develop
software for social research**

 **SAGE conceptgrants**



**£15,000
to scale up**

**£2,000
for a new idea**

 **SAGE conceptgrants**

Thank you!

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