

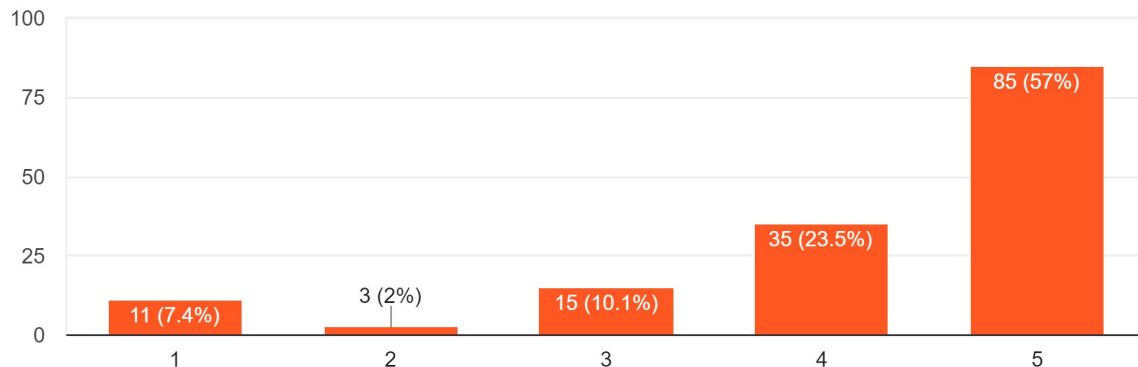
# Supporting Tools for the Social Sciences

@danielagduca

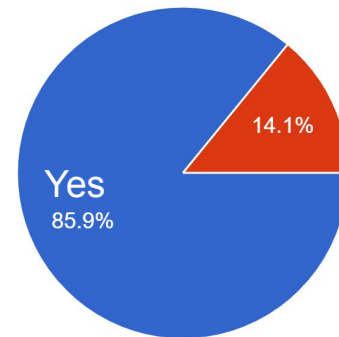
# Software in social science

How important is research software to your work?

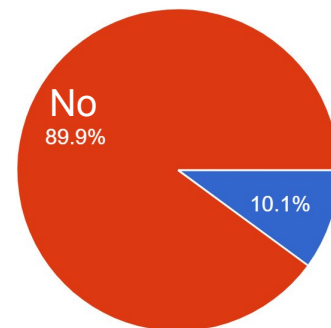
149 responses



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](http://www.sagepublishing.com)



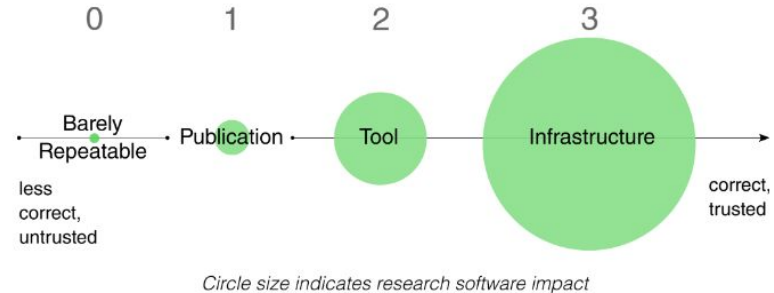
### All 543 tools by competitive cluster



Latest: [bit.ly/31fGff6](https://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



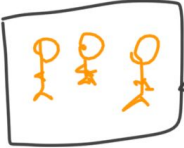
10.5281/zenodo.4761866

# COLLECTION & Analysis



API  
Scrape

Data



Surveys  
Interviews  
Experiments



Results  
Outputs  
More data  
Ideas



Tools  
focusing on  
data collection  
and analysis

## Enrich



## Reduce



## Collect & convert



## Vector embed



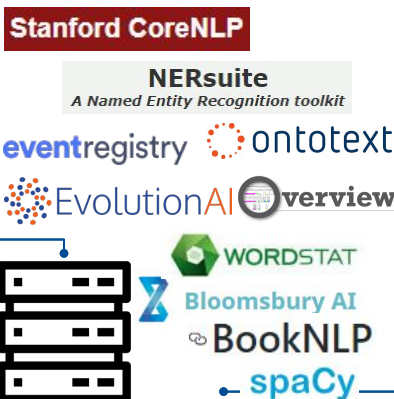
## Summarize



## Profile & explore



## Extract information



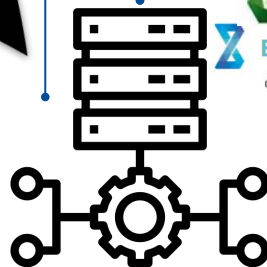
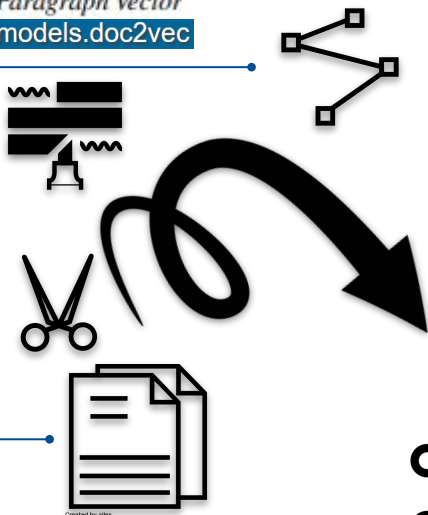
## Sentiment & opinion



## Topic modelling



## Classification



 **SAGE** Text mining in social sciences  
Publishing

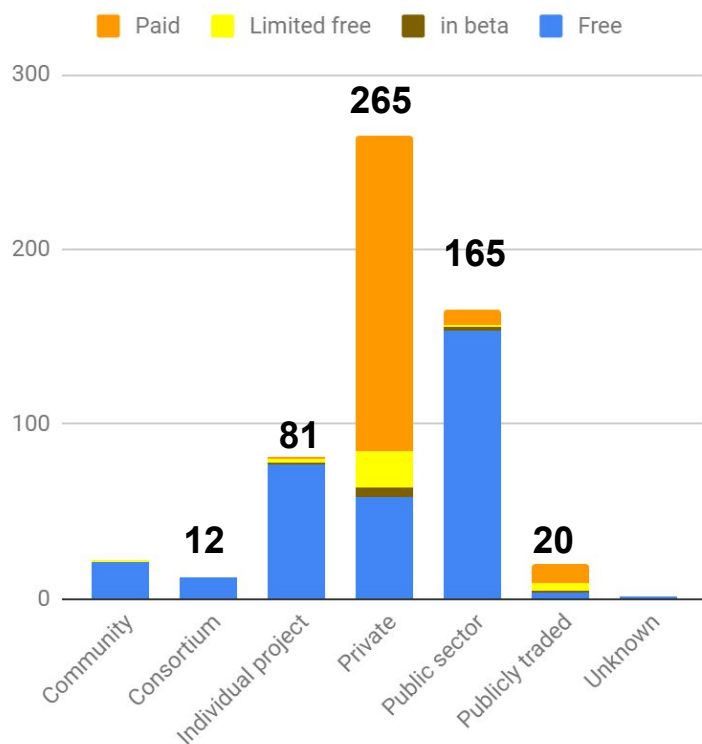


<https://sagetextipocapp.azurewebsites.net/>

Reduce the time to clean and  
pre-process text corpora.

# 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!

[daniela.duca@sagepub.co.uk](mailto:daniela.duca@sagepub.co.uk)