Supplementary Table 1. Requirement review of annotation tools for Twitter

Annotation Tool	Accessibility	Active learning	Export	Import	Multi-anno-tator support	Multi-level annotation	Normalization	Set-up	Subcategories	Stability
Anafora[a]			NR	NR				NR		NR
Brat										
Djangology[b]			NR	NR				NR		NR
Doccano[a]			NR	NR				NR		NR
eHost										
GATE										
Inception[a]										NR
Lighttag										
MAE										
Slate										
Tagtog								NR		NR
WebAnno[a]										NR
Yedda										

☐ = Requirement not met   ▨ = Requirement partially met   ■ = Requirement Met   NR = Not Reviewed

[a]Our review was done based on the software demonstration.
[b]No demonstration available, our review was done based on the documentation.

We were unable to run 3 of the 19 tools due to installation errors or dependency issues, Argo, Callisto, and Knowtator. Three others, Pubtator, BioQRator, and ezTag, required a specific input file format, such as BioC, and therefore were not suited to annotate tweets. In Supplementary Table 1, we summarize our review of the features of the remaining 13 annotation tools for the most important requirements in our catalog. Note, as we were just reviewing the features of the tools, we did not complete full installations for the tools with external dependencies such as server and/or database installations to run. For those tools, we examined the online demonstrations if available during our assessment.