



# Chapter 3: Fake News

Hands-on: AI tools to counter fake news



# 1. AI tools to counter fake news

It is hard to find fake news fighting tools as their main goal backfires, ultimately helping to create even more compelling fake news.



We are going to use is called “Hoaxy” this will help us to analyze the spread of information on twitter and the reliability of the source.



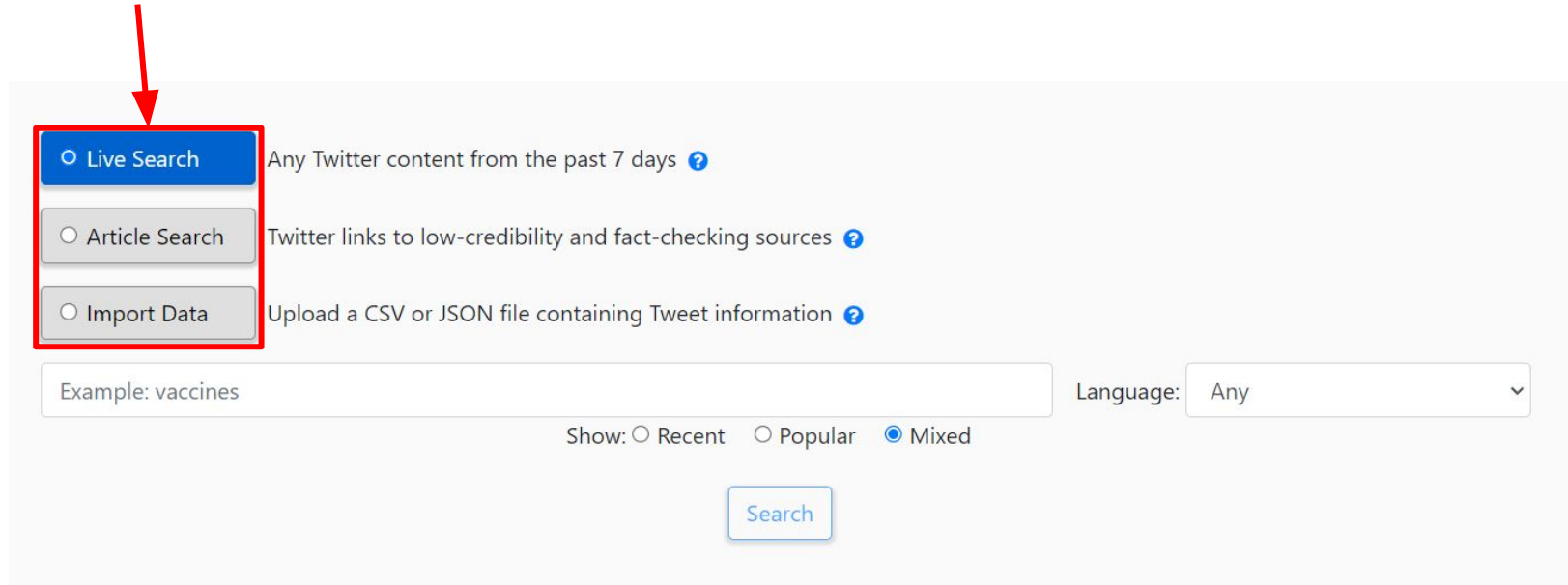
→ Go to their website at: <https://hoaxy.osome.iu.edu/>

You can choose between 3 different way to search:

“*Live search*” will require you to have a twitter account and to give permission to the website to access it.

“*Article Search*” allow you to search about a subject.

“*Import Data*” gives you the possibility to import tweet data to analyze them.



The screenshot shows a search interface with three radio button options. The first option, "Live Search", is highlighted with a blue background and a red box. A red arrow points to this option from above. The second option is "Article Search" and the third is "Import Data". Below the options is a search input field containing the text "Example: vaccines". To the right of the input field is a "Language:" dropdown menu set to "Any". Below the input field are three radio buttons for "Show:" with options "Recent", "Popular", and "Mixed". The "Mixed" option is selected. A "Search" button is located at the bottom center of the interface.

Live Search Any Twitter content from the past 7 days ?

Article Search Twitter links to low-credibility and fact-checking sources ?

Import Data Upload a CSV or JSON file containing Tweet information ?

Example: vaccines Language: Any

Show:  Recent  Popular  Mixed

Search

Live Search Any Twitter content from the past 7 days ?

Article Search Twitter links to low-credibility and fact-checking sources ?

Import Data Upload a CSV or JSON file containing Tweet information ?

Example: breaking: the earth is flat

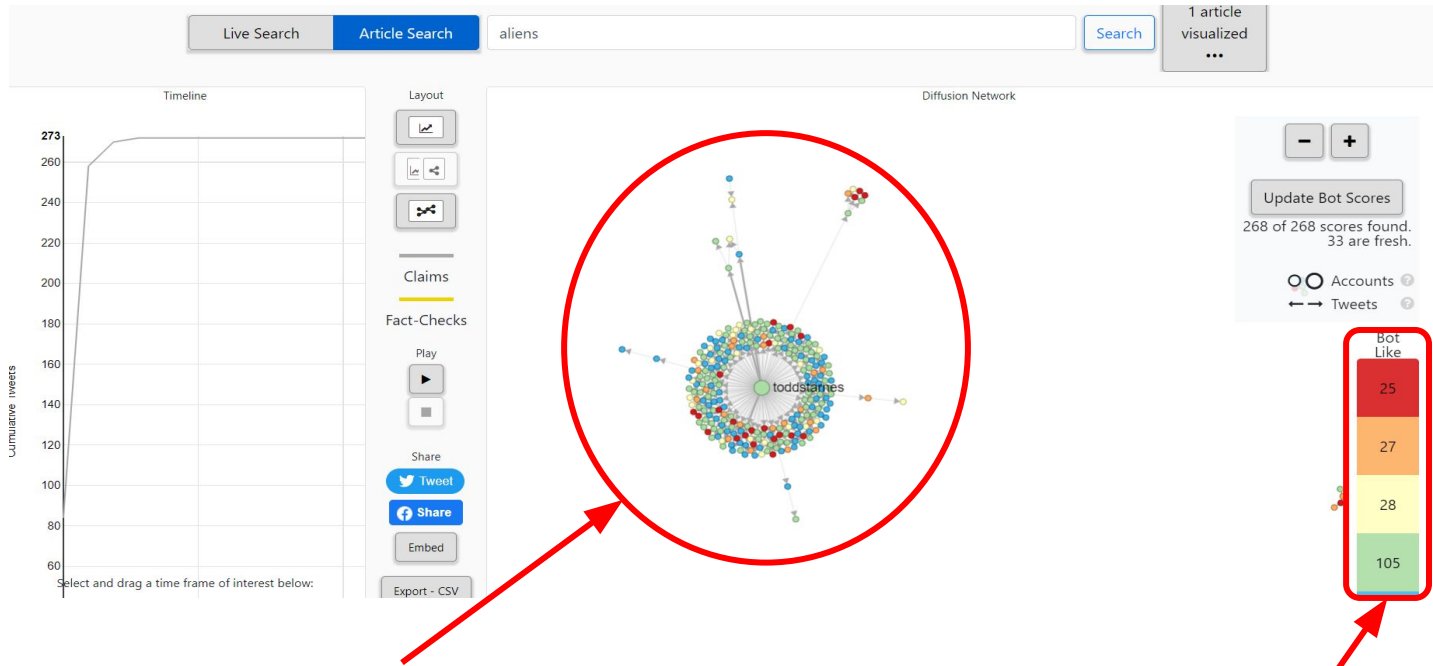
Show:  Relevant  Recent

Search

We'll use "Article Search",  
select it by clicking on it.

Then enter the subject of your  
search in the *search field*.

Finally, click the  
"search" button.



Every dot represents a user who has interacted with the topic with the source of the message at the center.

Here you can see the meaning of the colors indicating if a user is more likely a bot or not and how many user are represented by each color.



You can select another tweet(s) talking about this topic by clicking on “*x article(s) visualized*” button.

And check as many topics as you want to analyze them.

Select top 20 articles. Select up to 20 articles from the list and click "Visualize Articles" to generate a timeline and network graph based on your selection.

**Shocking Video Shows MASSIVE ARMY of Illegal Aliens Heading Towards US Border**  
From [toddstarnes.com](http://toddstarnes.com) on Oct 25, 2021 273 Tweets

**HUGE: Senate GOP Seeks To Stop Biden's Massive Payouts To Illegal Aliens**  
From [trendingpolitics.com](http://trendingpolitics.com) on Dec 6, 2021 169 Tweets

**DeSantis Blasts Biden Admin For Relocating Illegal Aliens in Fla.: 'We Cannot Abide the Lawlessness'**  
From [trendingpolitics.com](http://trendingpolitics.com) on Aug 29, 2021 104 Tweets

**New Poll - 67% Of Americans Say NO To \$450,000 Payment To Illegal Aliens**  
From [trendingpolitics.com](http://trendingpolitics.com) on Nov 9, 2021 97 Tweets

**'Surprised' DHS Secretary Finds Twenty Percent of Illegal Aliens are Covid Disease Spreaders**  
From [trendingpolitics.com](http://trendingpolitics.com) on Sep 30, 2021 68 Tweets

**Creating a 'Super Spreader Event': Cruz Warns About What Biden's Doing With Illegal Aliens**  
From [trendingpolitics.com](http://trendingpolitics.com) on Jul 29, 2021 66 Tweets

Visualize 1 article

Again click on "Visualize x article(s)" button to get the result.