

Google Trends Search Analysis

In consideration of a change of venue motion

December 18, 2023



WatchPost:
ANALYTICS

What is Google Trends?

Google Trends data is analyzed to assess the extent to which the District of Columbia represents a biased jury pool relative to the rest of the country.

1. “Google Trends is a website by Google that analyzes the popularity of top search queries in Google Search across various regions and languages. The website uses graphs to compare the search volume of different queries over time.” – Wikipedia
2. For purposes of this study, specific google search terms will be analyzed to understand the extent to which there are geographic disparities, specifically in the District of Columbia.
3. For any search term, there are two analytic tools provided by Google Trends:
 - Relative size of search term over time;
 - Relative geographic distribution.

Google Trends does not provide actual counts, but rather an index which allows for “apples-to-apples” comparisons across time and geography. This is well suited for the goals of this study.

Findings

A methodology has been created to quantify the bias present in any search term.

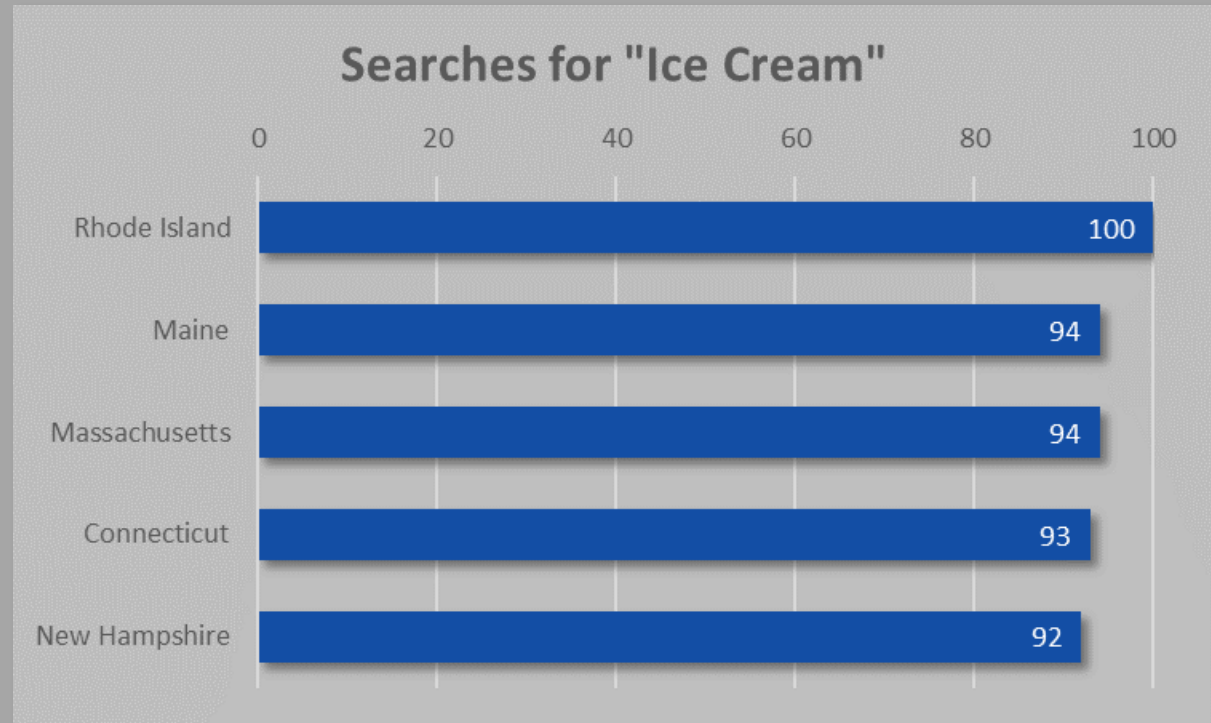
1. Residents of D.C. are twice as likely to search for Capitol Attack January 6 than the next most likely state.
2. Residents of D.C. continue to search for information relating to “Capitol Attack”, while the rest of the country has significantly moderated their interest in the search.
3. Residents of D.C. are:
 - significantly more likely to have searches for Seditious Conspiracy (+80%).
 - almost 2X as likely to have searches for White Nationalist, and 25% more likely to search for “racism”.
4. While there was national interest in the Jan 6 Committee, residents of D.C. were 3X more engaged in searches for the Jan 6 Committee.
5. With D.C. having such a heavy bias in searches for January 6, these residents also were searching as events happened inside D.C.
6. Residents of D.C. were more engaged in learning about the specific report from the Jan 6 Committee, (8X higher than next state), while the rest of the country did not show much interest.

Upon entering a search term ("Ice Cream"), Google Trends shows data by state as an index, with the state having the highest concentration of a search term having a value of 100. All states are then ranked based on their relative concentration of the search term.

"Ice Cream" is an example that shows states monotonically declining slightly.

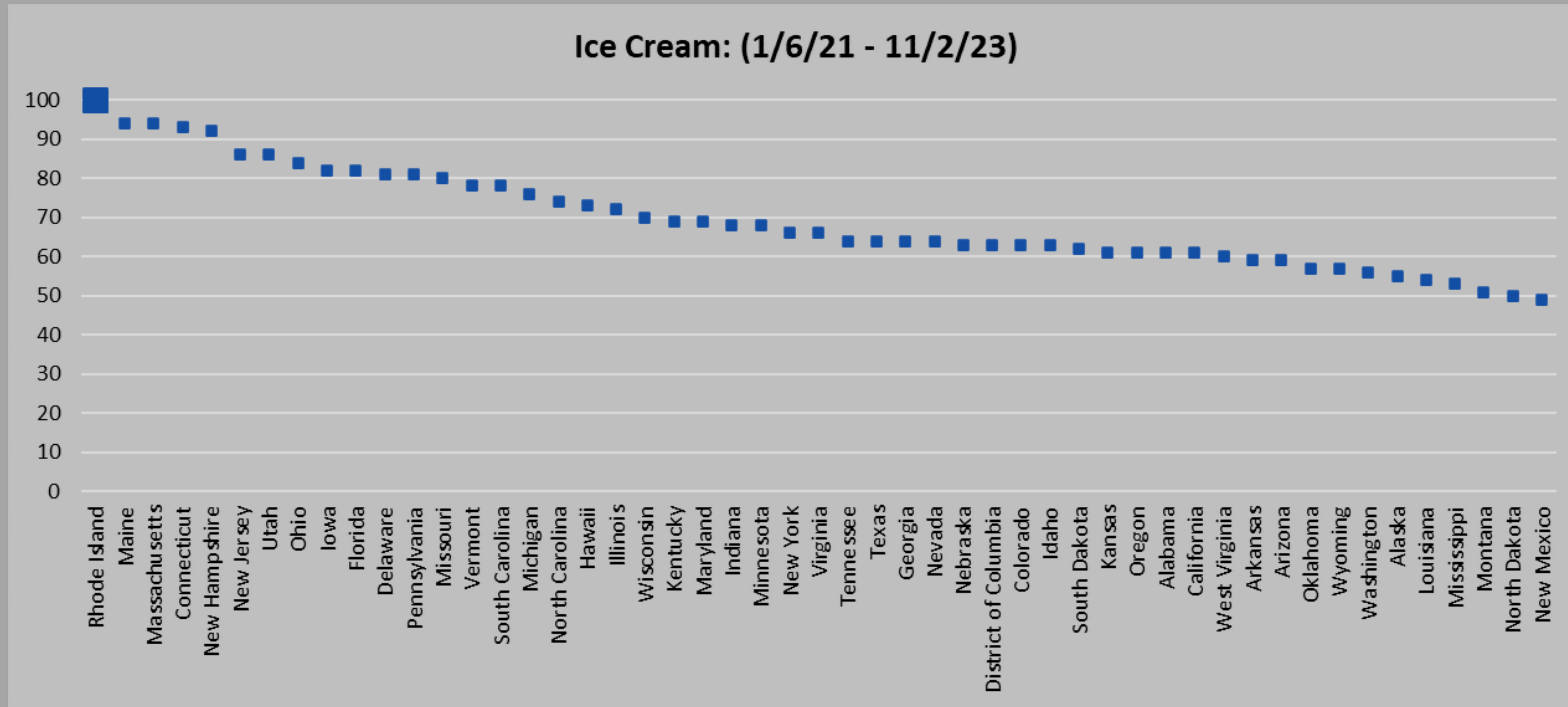
The top five states all have an index above 90.

Rhode Island, at 100, is only slightly higher than Maine, which is at 94.



Search
Comparison
Example:
Ice Cream

Exploring further, all 50 states and the District of Columbia can be observed. Just as with the prior slide, there is a mild decline across states.

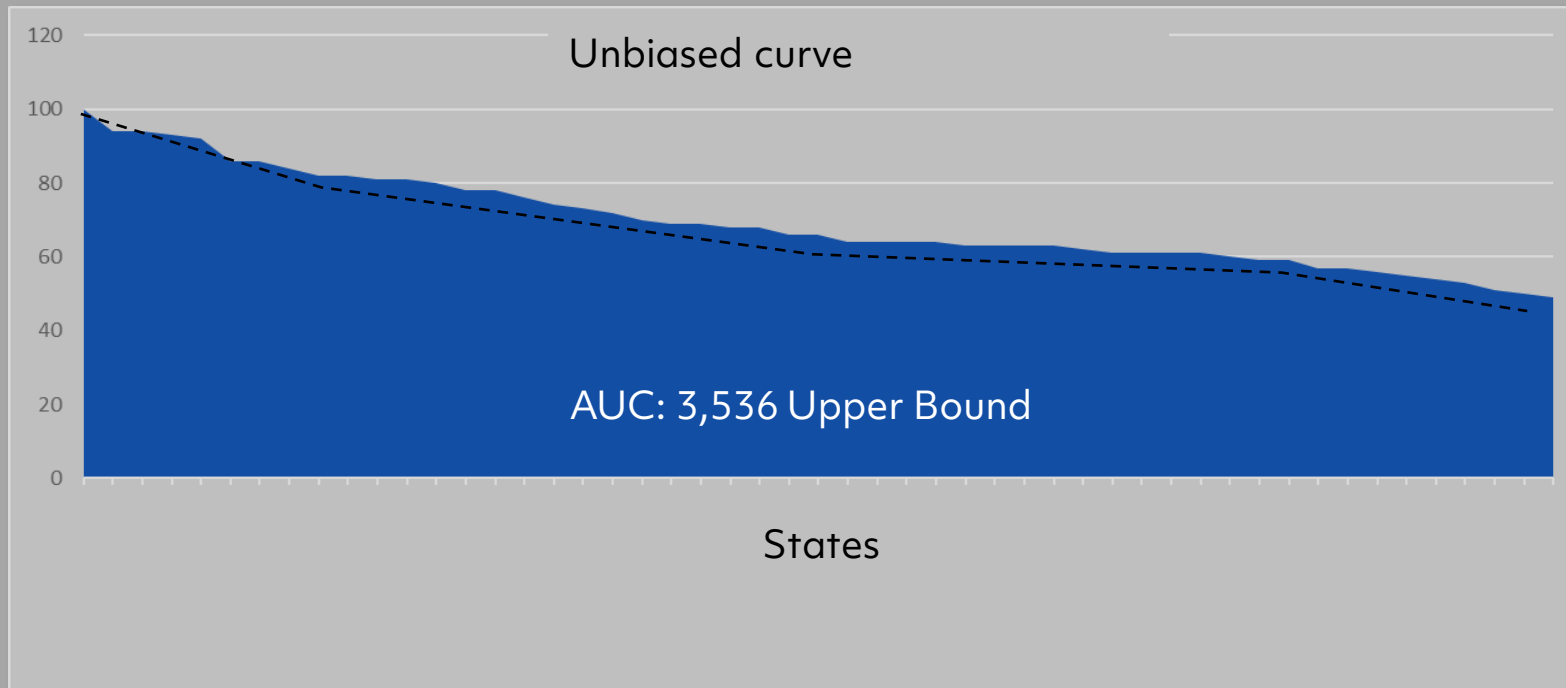


“Ice Cream” represents an example of a geographically “unbiased” search term.

Search
Comparison
Example:
Ice Cream

This example will be used as a threshold for non-bias. Search terms will be compared to this threshold for determining the extent of bias.

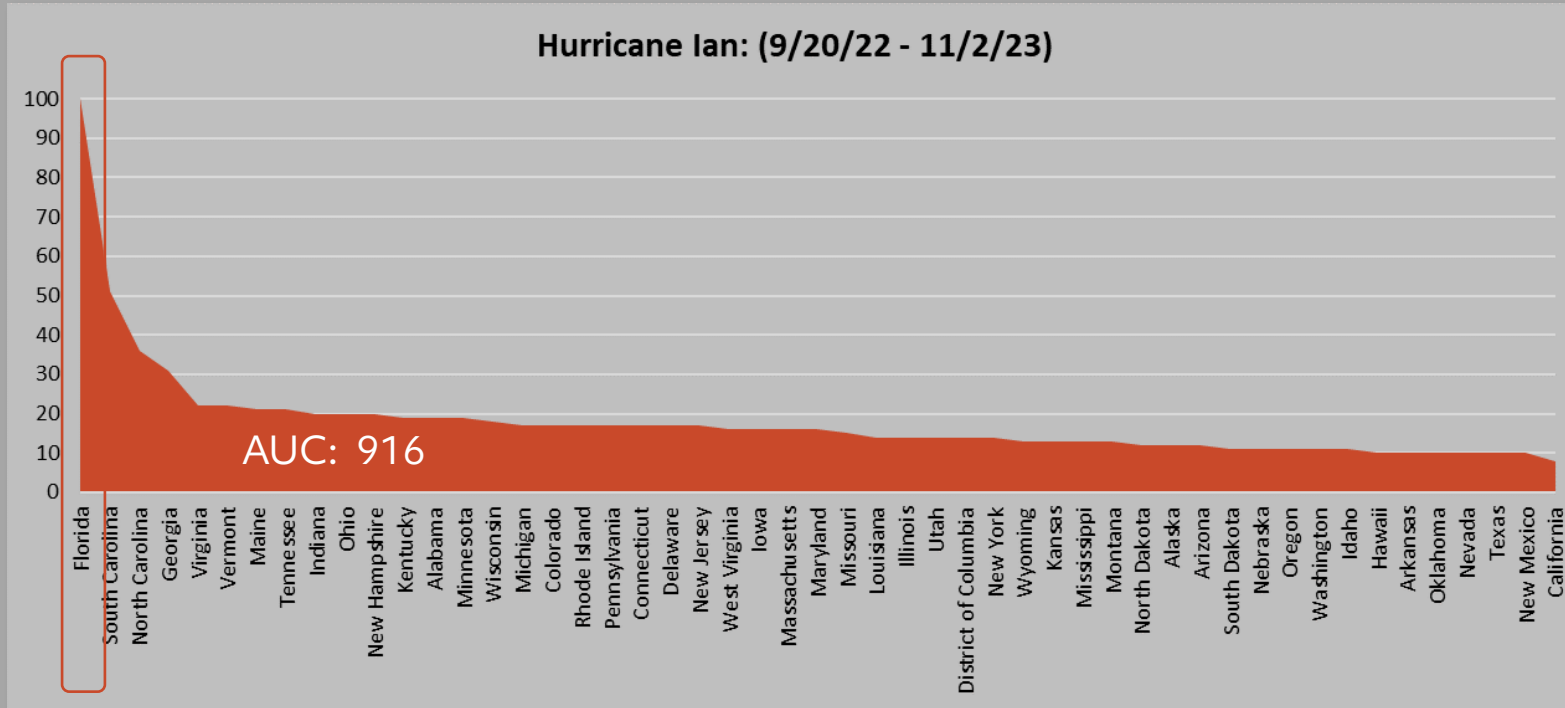
Search
Comparison
Example:
Unbiased



The Area Under the Curve (AUC) will be the metric used. That is, the sum of the indices for all 51 geographies, which is 3,536.

As a counter-example, a term such as Hurricane Ian has an extreme geographic bias due to the location of the hurricane:

Search
Comparison
Example:
Hurricane
Ian

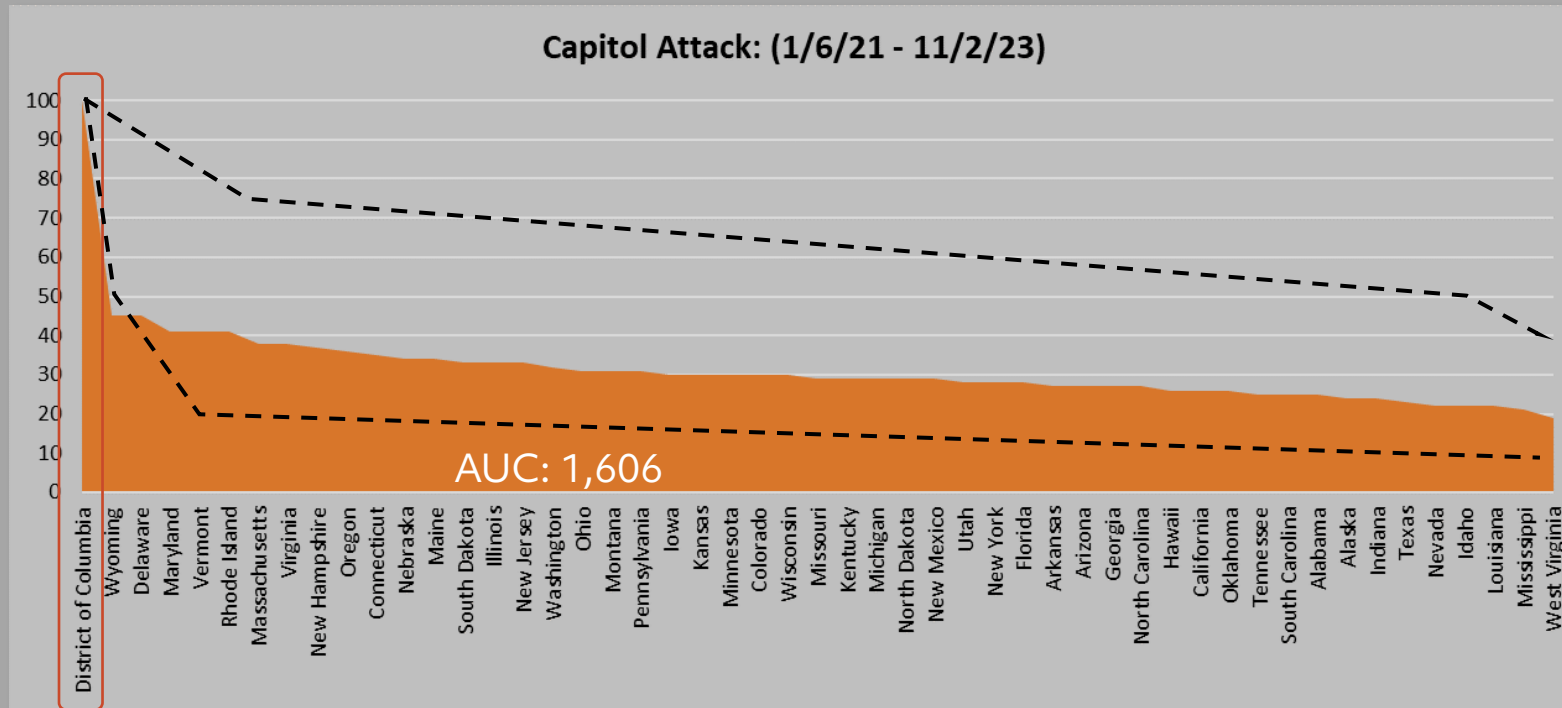


The AUC for this search is 916, which can be considered an extreme lower bound in bias.

This distribution will be defined as the “unbiased line” in future charts.

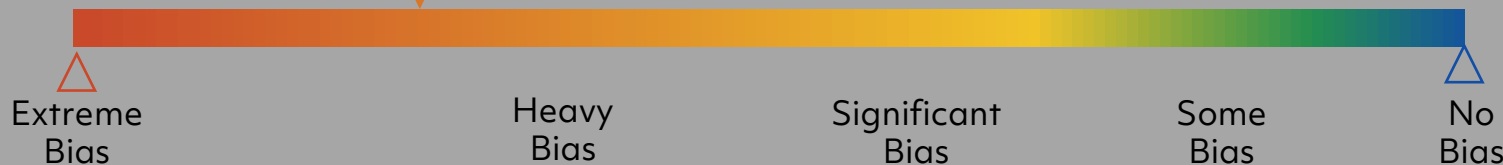
“Capitol Attack”, a term used heavily in the media concerning January 6, 2021, shows a heavy bias geographically, with District of Columbia standing out significantly.

Search
Comparison:
Capitol
Attack



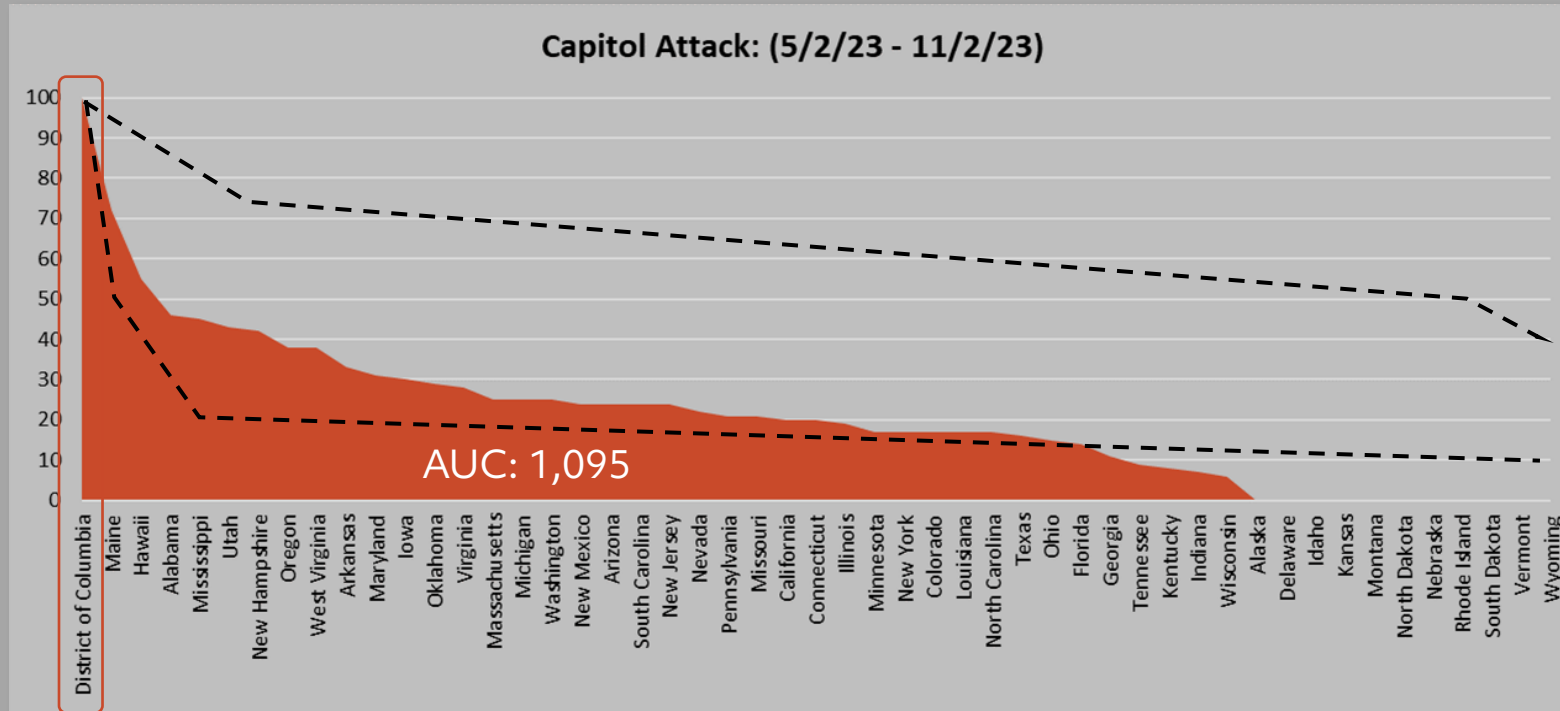
Residents of D.C. are twice as likely to search for Capitol Attack January 6 than the next most likely state.

Capitol Attack



“Capitol Attack” has an even more pronounced bias in the most recent six months. In fact, several states had no (or insignificant number of) searches at all during this time.

Search
Comparison:
Capitol
Attack,
Recent



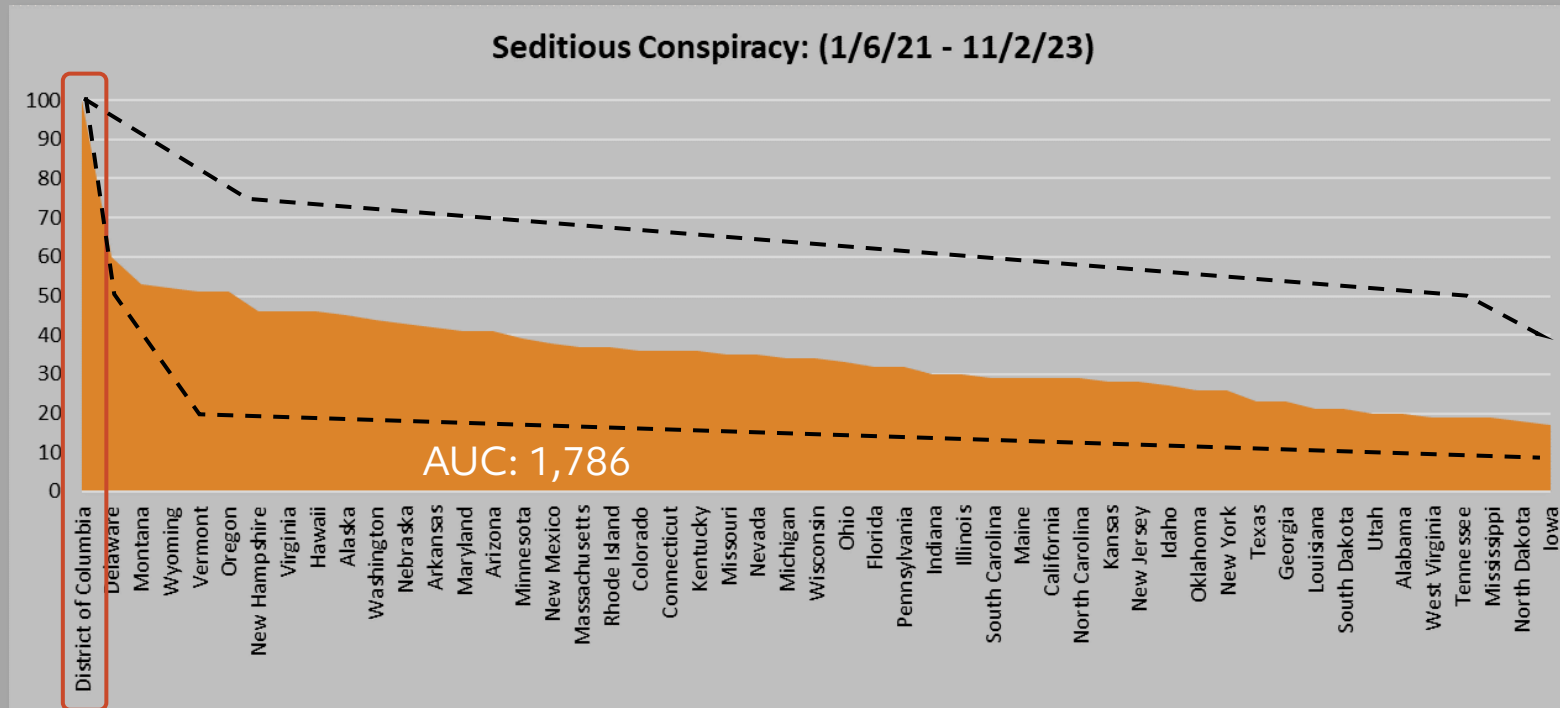
Residents of D.C. continue to search for information relating to “Capitol Attack”, while the rest of the country has significantly moderated their interest in the search.

Capitol
Attack,
Recent



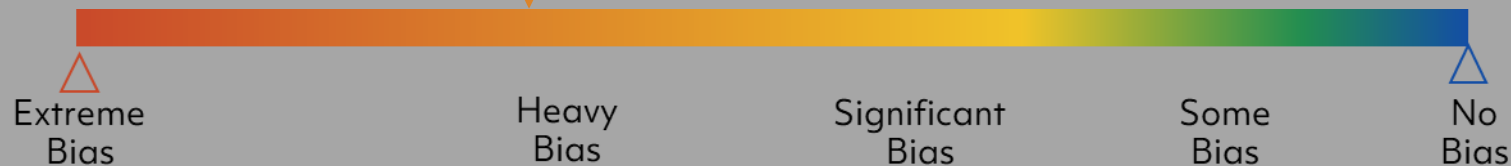
Seditious Conspiracy is another example of heavy geographic bias, with an AUC of 1,786. District of Columbia, with an index of 100, has a 70% increase in search concentration over Delaware, the second highest state.

Search Comparison:
Seditious Conspiracy



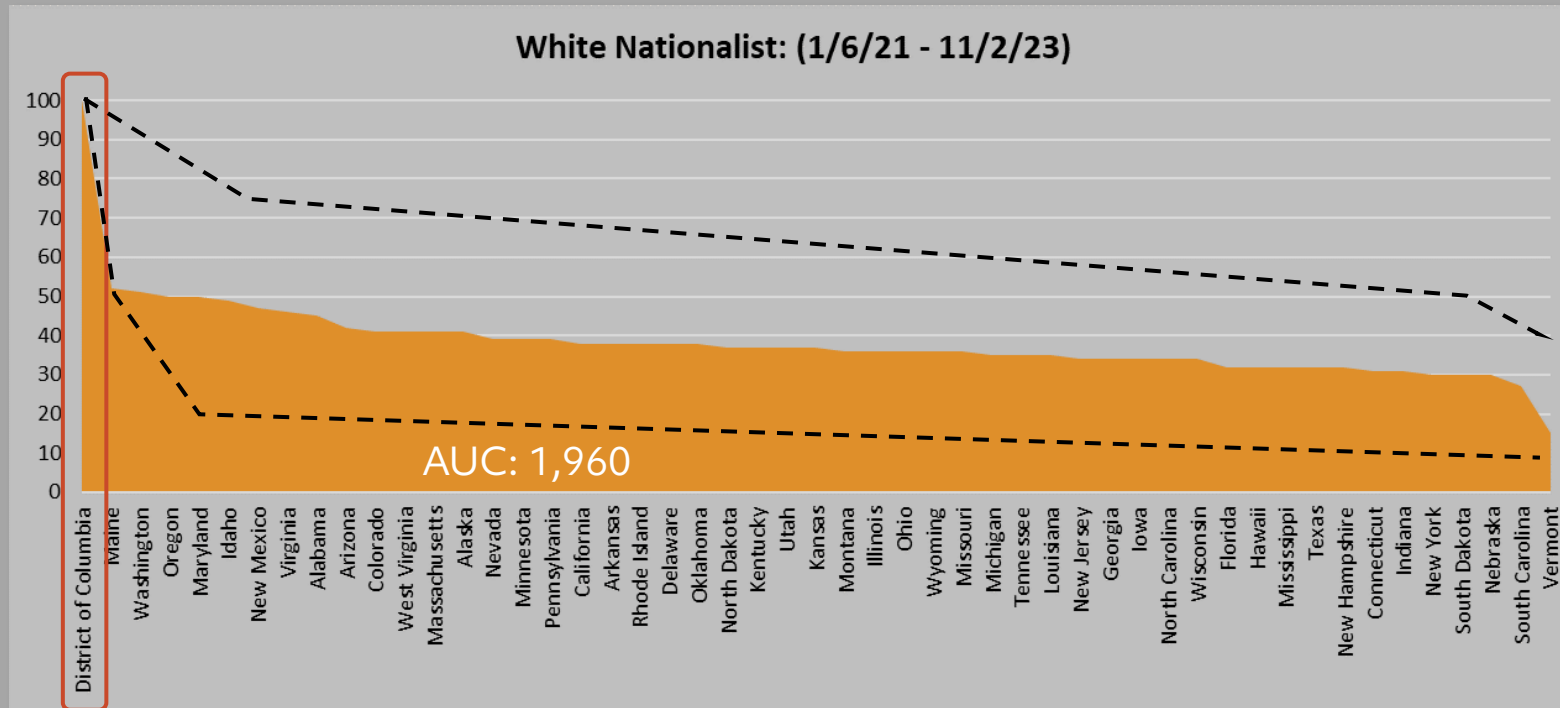
Residents of D.C. are significantly more likely to have searches for Seditious Conspiracy.

Seditious Conspiracy

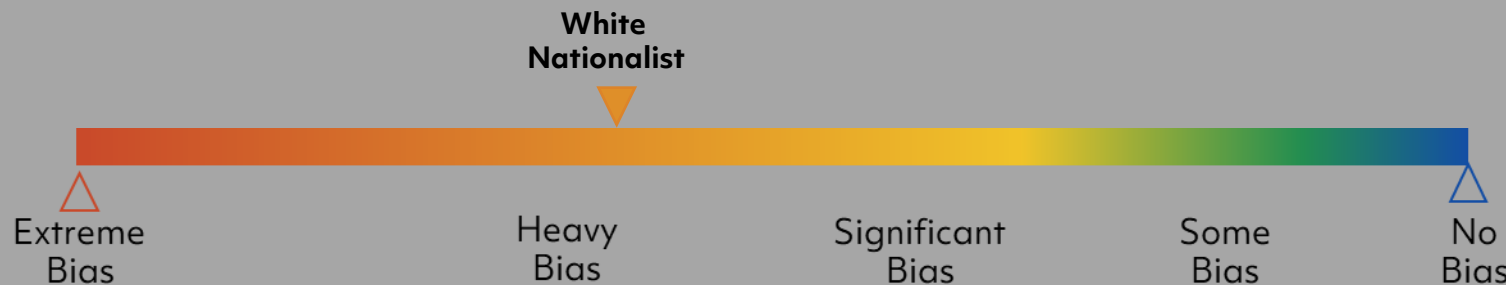


White Nationalist is a search term with Heavy Bias. Residents of D.C. are significantly more likely to be searching for this.

Search Comparison:
White Nationalist

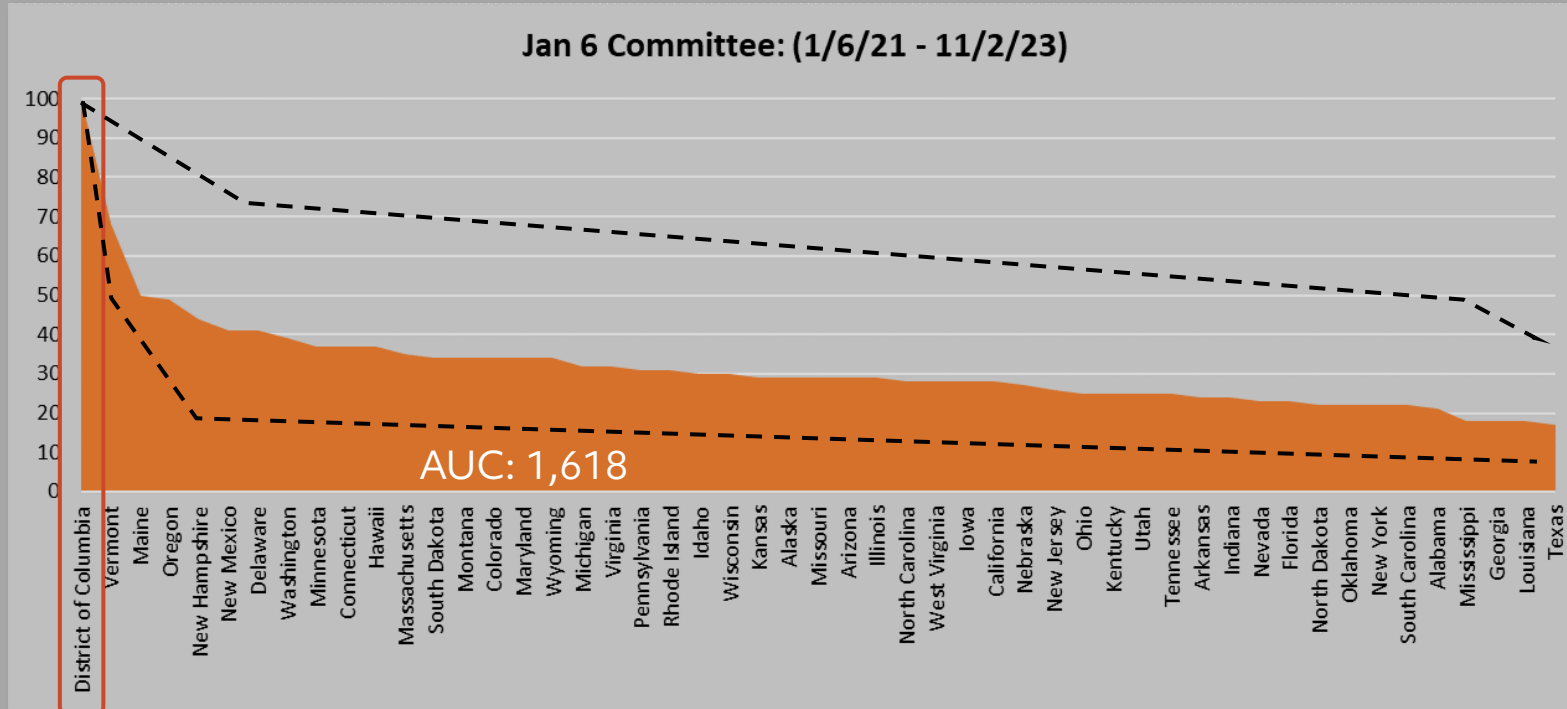


Residents of D.C. are almost 2X more likely to have searches for White Nationalist.



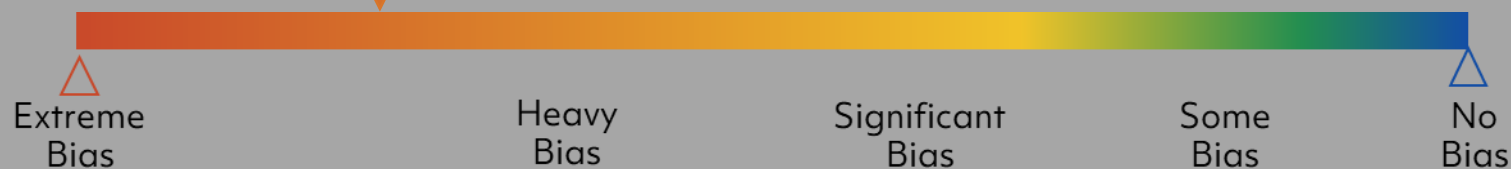
The “United States House Select Committee on the January 6 Attack” conducted its investigation in 2022. The District of Columbia has twice the searches (relatively speaking) than the second state, Vermont, and over 3x the amount of searches of the rest of the country.

Search Comparison: January 6 Committee



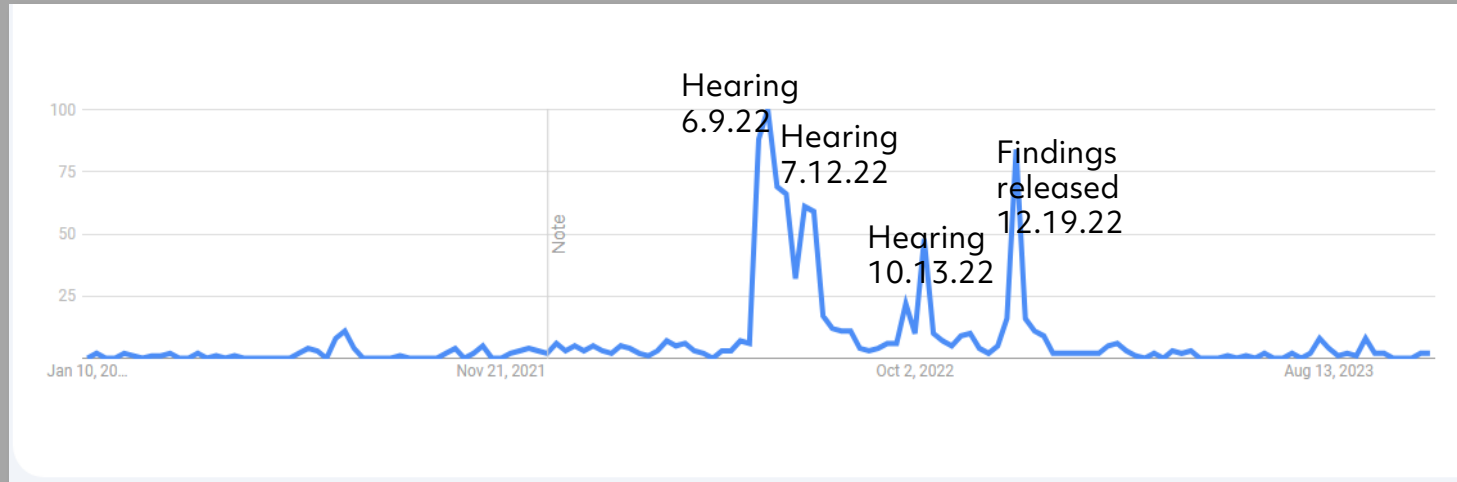
While there was national interest in the Jan 6 Committee, residents of D.C. where 3X more engaged in searches for the Jan 6 Committee.

Jan 6 Committee



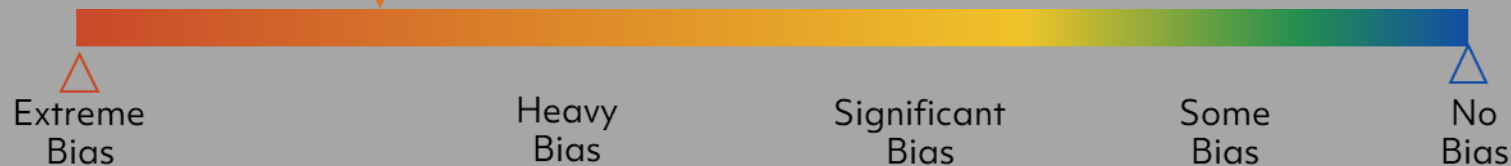
Searches are often related to the timing of an event. With respect to the House Select Committee, searches were clearly related to hearings and the publication of depositions and findings.

Search
Comparison:
January 6
Committee
Time Series



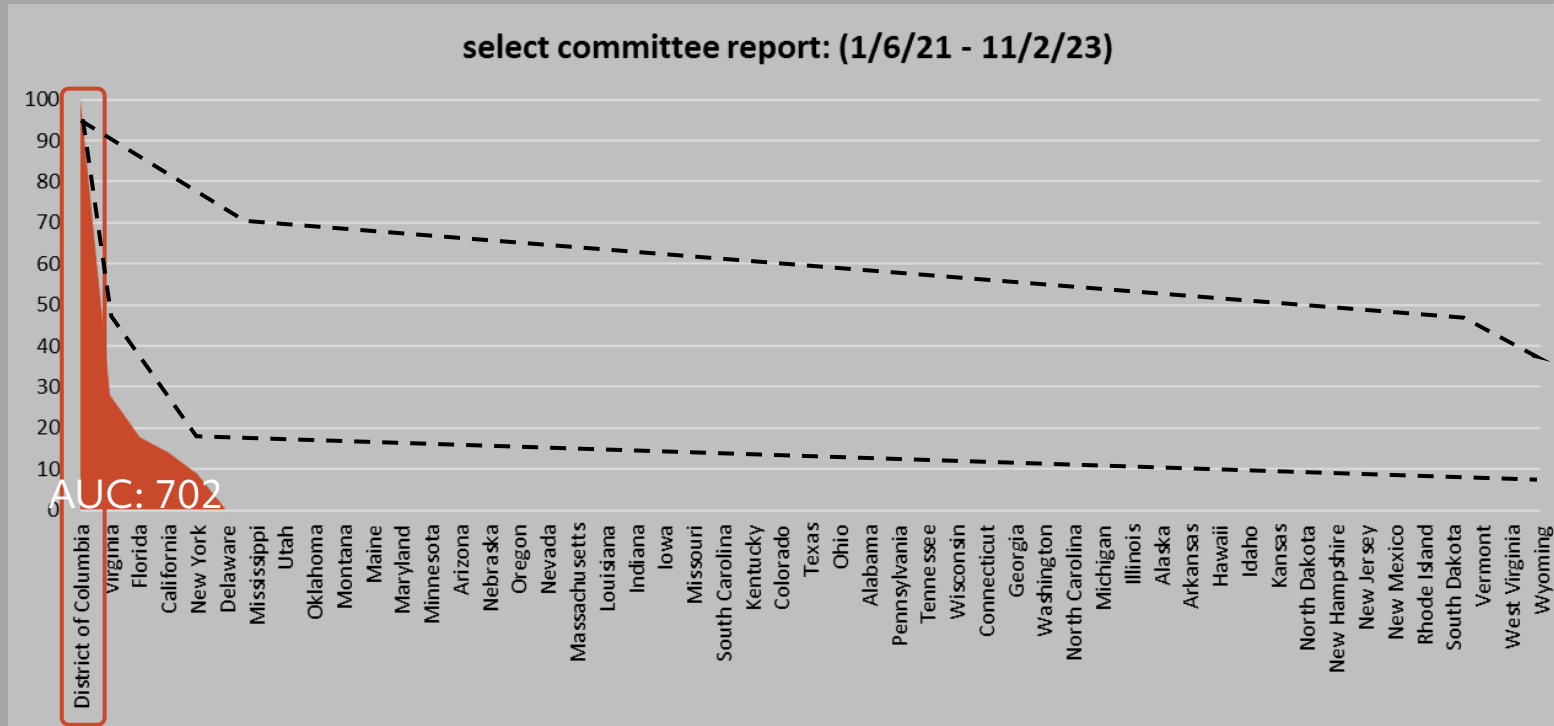
With D.C. having such a heavy bias in searches for January 6, these residents also were searching as events happened inside D.C.

Jan 6
Committee



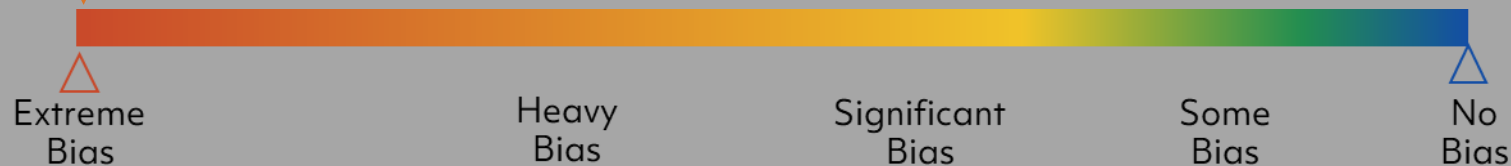
Most of the country showed little to no interest in searching for the results of the January 6 Committee. In fact, approximately 45 out of 50 states had no significant search activity before, during, or after.

Search Comparison: January 6 Committee Report



Residents of D.C. were more engaged in learning about the specific report from the Jan 6 Committee, while the rest of the country did not show much interest.

Select Committee Report



D.C.
Proves to
Have
Willfully
Absorbed
Tainted
Data

- Through many politically charged events, the residents of The District of Columbia tend to digest data at an unusual rate over the rest of the country in many cases.
- This analysis shows that residents of The District of Columbia have a significant uptick in interest, and therefore a tainted jury pool which is willfully digesting media, creating a clear bias in the District of Columbia.
- The duty of the court and the officers within is to provide a Jury of one's peers and preserve the Constitutional Rights.

Appendix



Notes on Google Trends Data

- Google Trends is useful for monitoring search interest over any specific timeline for any topic or keyword based on search volume.
- Google Trends data goes back to the year 2004. Search Interests can be tracked by the past hour up to the past 5 years. You can also create a custom time range based on your selected dates.
- Additionally, you can compare two or more search terms to find out how the search interest has changed for each term over time.
- Search Data is categorized by 51 regions throughout the United States.
- This data enables us to see which region took the greatest interest in the data by relevancy to each of the other regions.
- Anywhere Jurors are exponentially pre-exposed to relevant information, it is less likely an ***unbiased jury pool***.

Things to
Consider
When
Reading
the Data

Per Google Trends:

Interest by subregion ×

See in which location your term was most popular during the specified time frame. Values are calculated on a scale from 0 to 100, where 100 is the location with the most popularity as a fraction of total searches in that location, a value of 50 indicates a location which is half as popular. A value of 0 indicates a location where there was not enough data for this term.

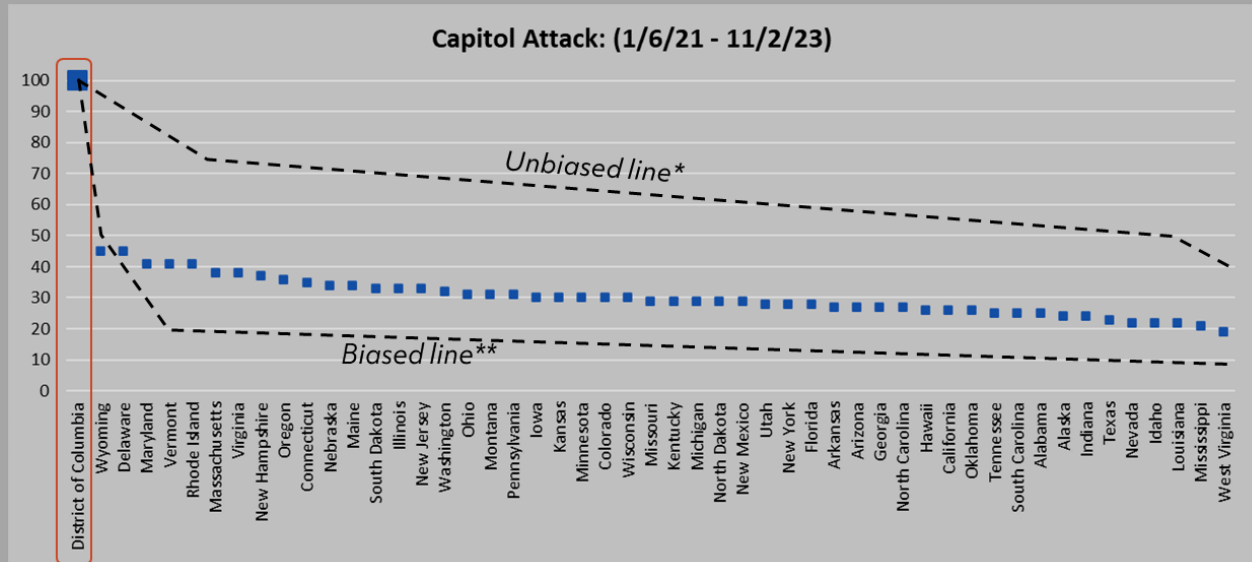
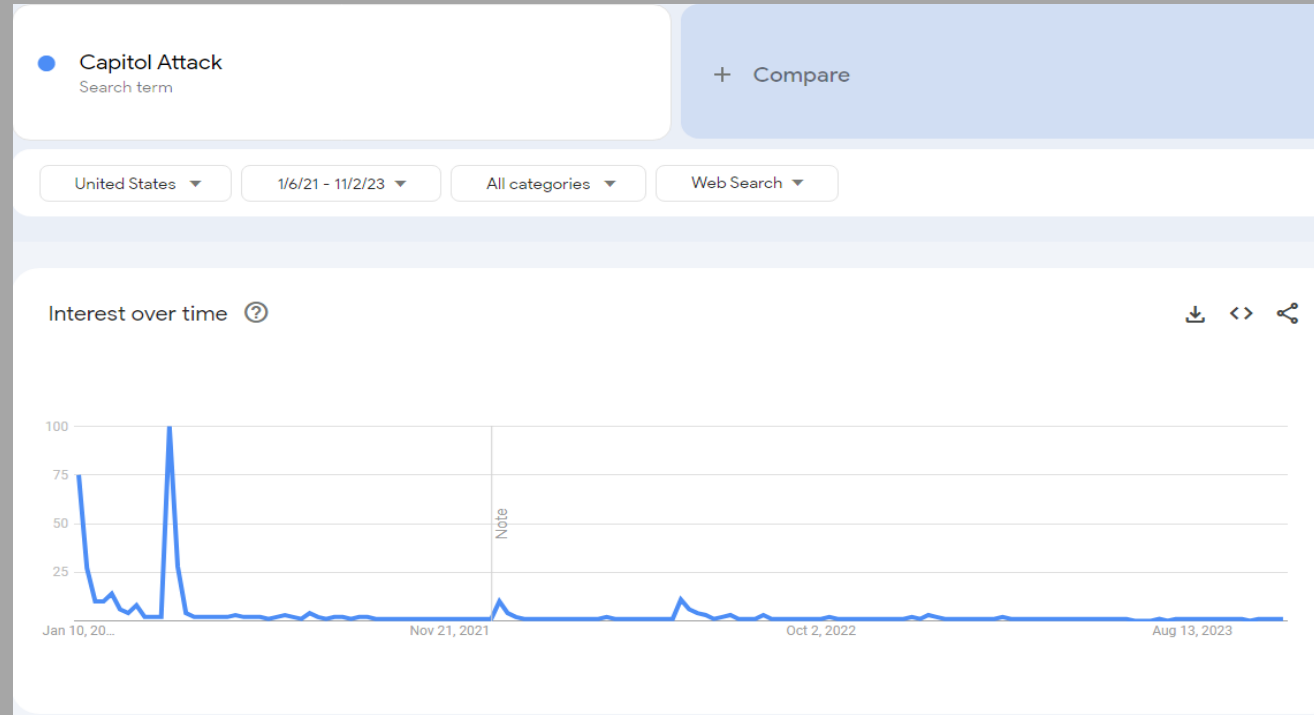
Note: A higher value means a higher proportion of all queries, not a higher absolute query count. So a tiny country where 80% of the queries are for "bananas" will get twice the score of a giant country where only 40% of the queries are for "bananas".

[LEARN MORE](#)

Google's Data is Automatically Adjusted for Population. If Google Data shows that a search was more popular in DC than anywhere else in the country, it also means that it was a more popular search *proportionally*, in relation to the rest of the country.

Capitol Attack

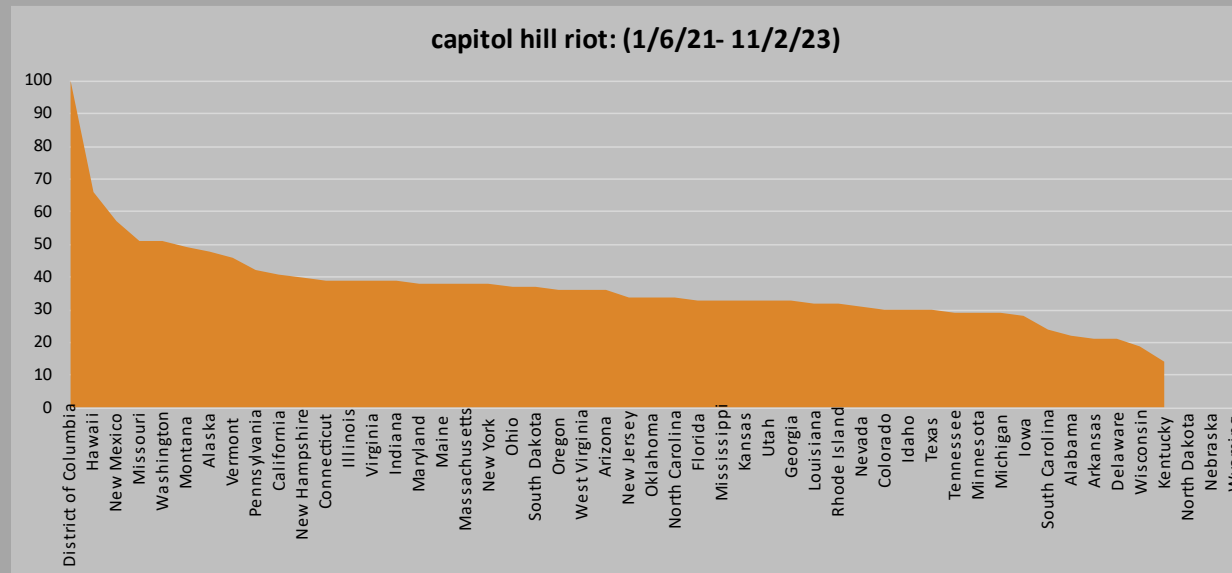
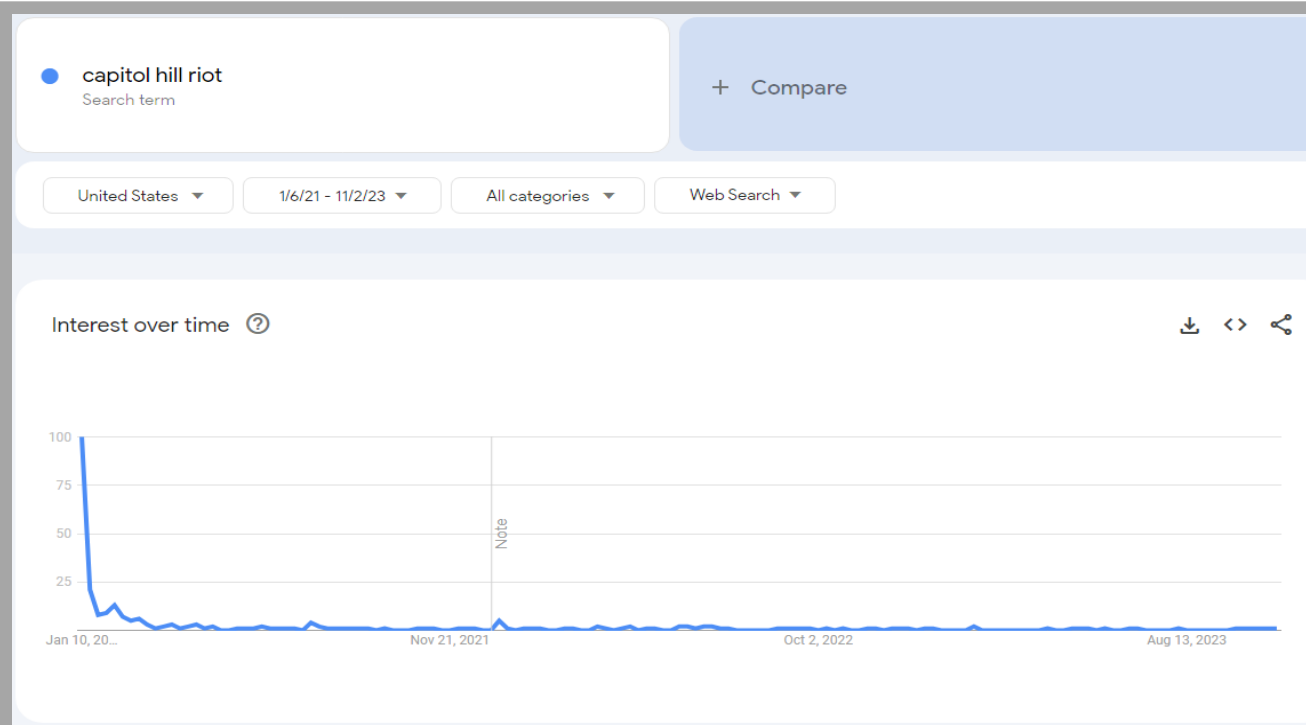
Complete Timeline Jan 6, 2021-Nov 2, 2023



<https://trends.google.com/trends/explore?date=2021-01-01%202023-11-02&geo=US&q=Capitol%20Attack&hl=en>

Capitol Hill Riot

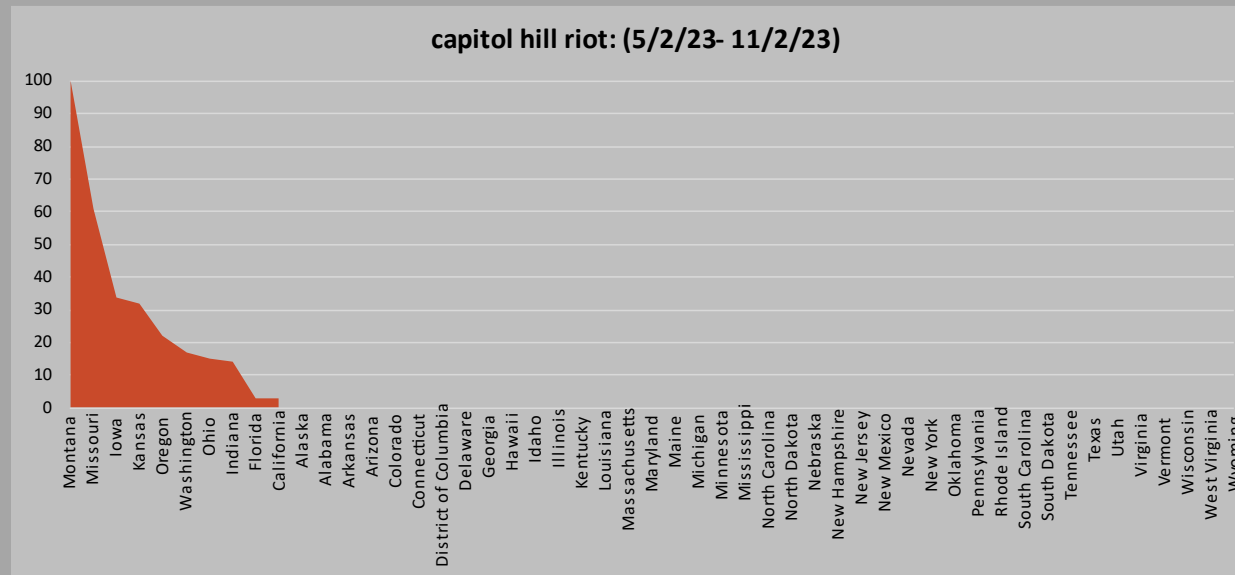
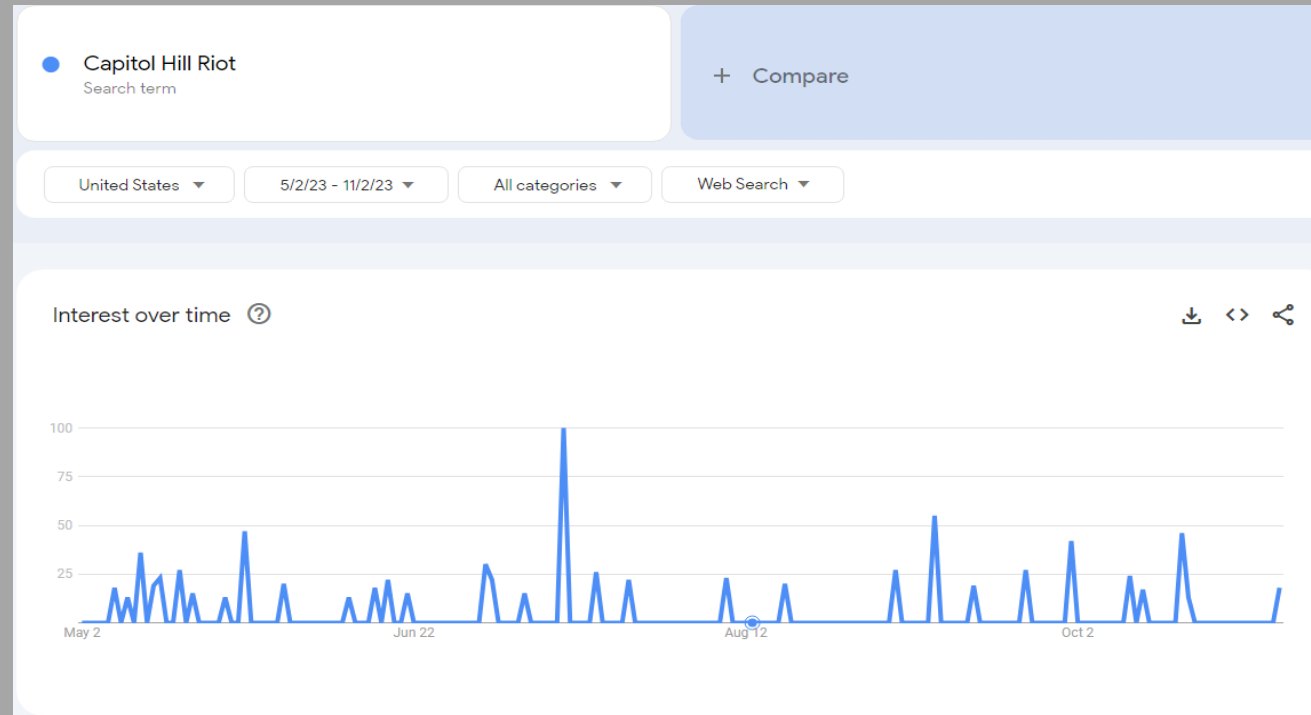
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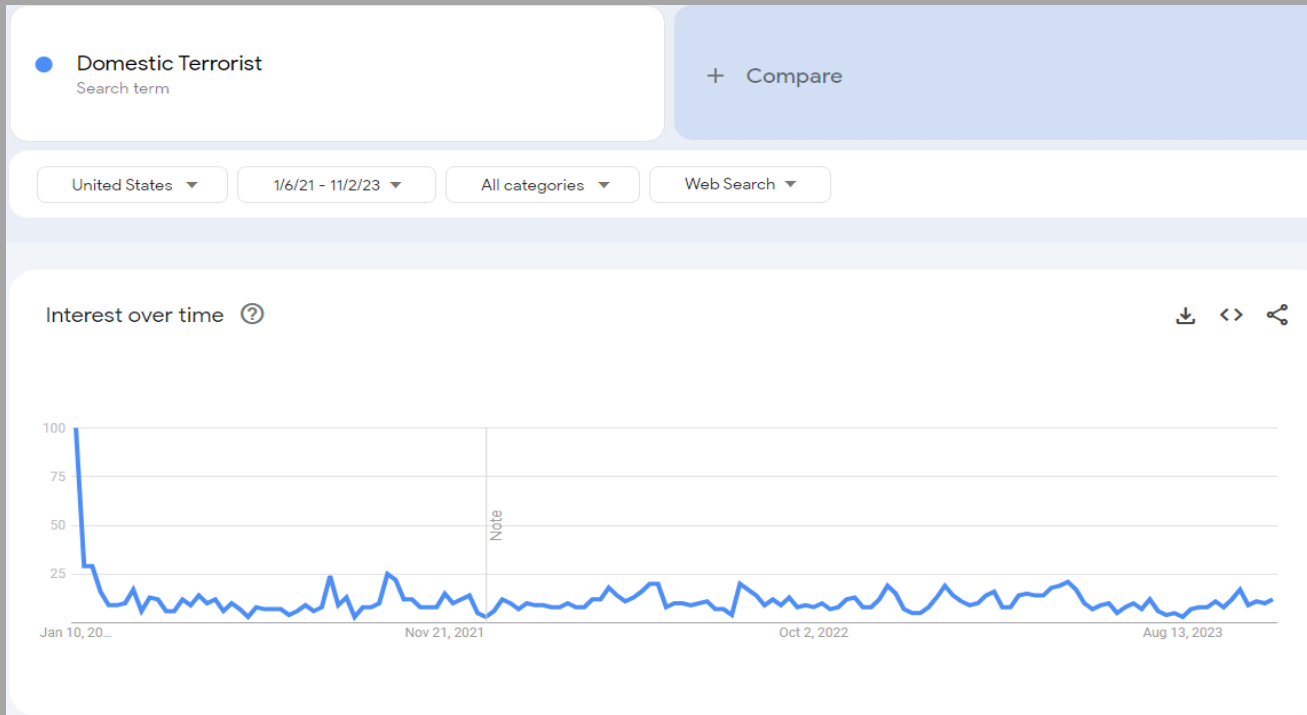
Capitol Hill Riot

Recent Timeline May 2, 2023-Nov 2, 2023

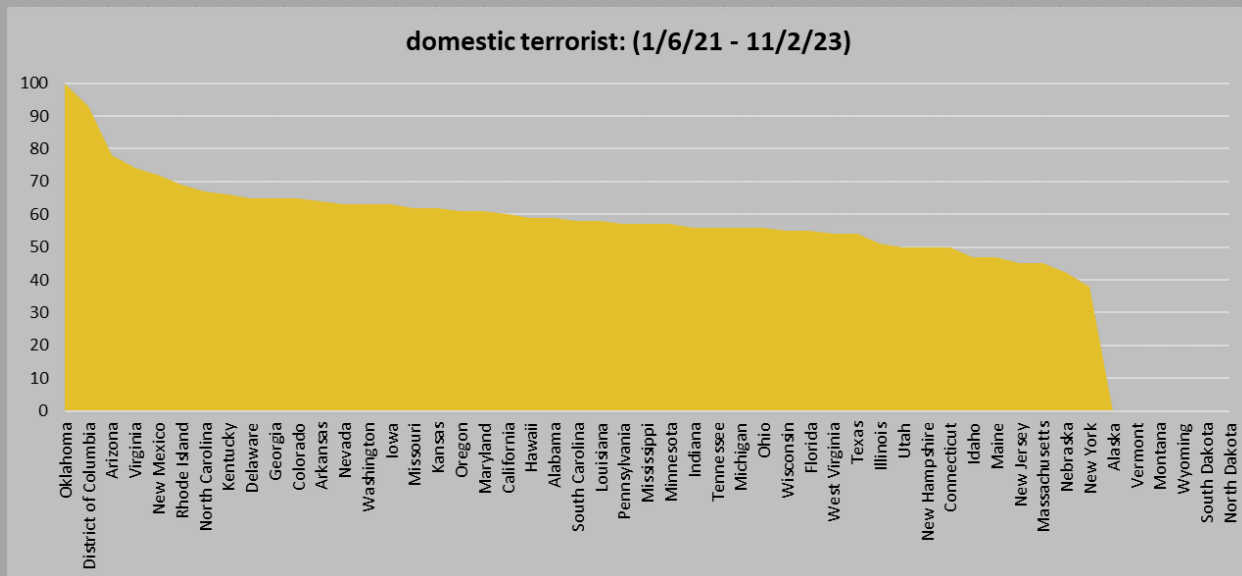


Complete Timeline

Jan 6, 2021-Nov 2, 2023

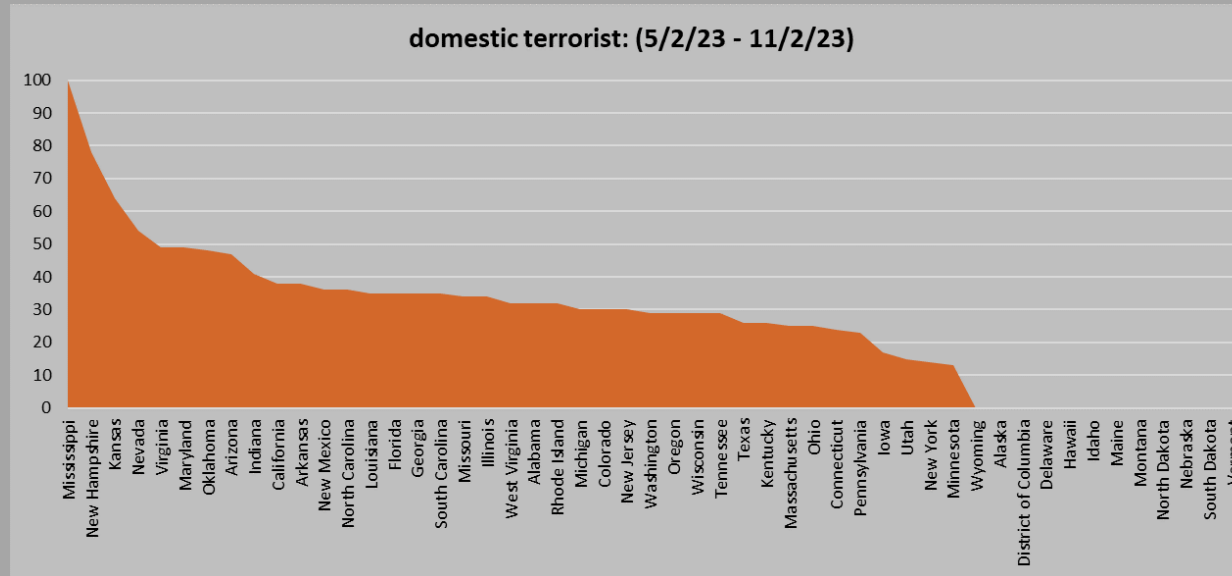
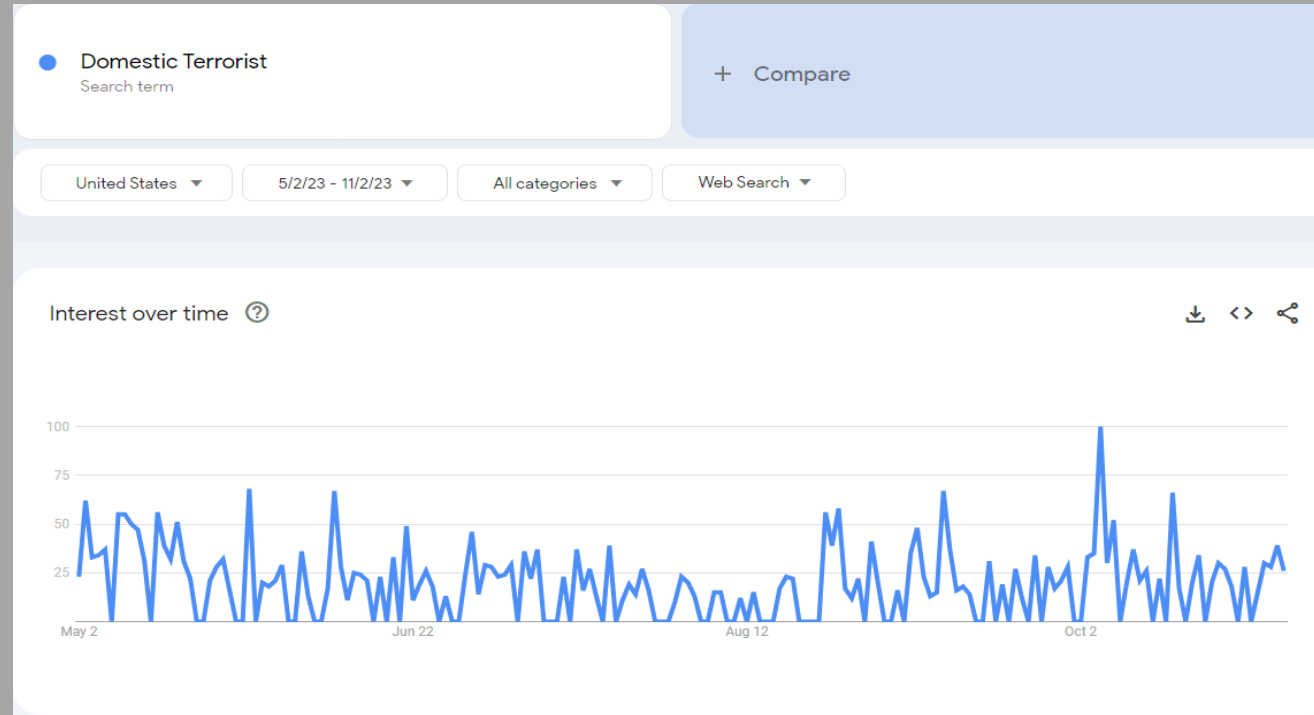


Domestic Terrorist



Recent Timeline

May 2, 2023-Nov 2, 2023

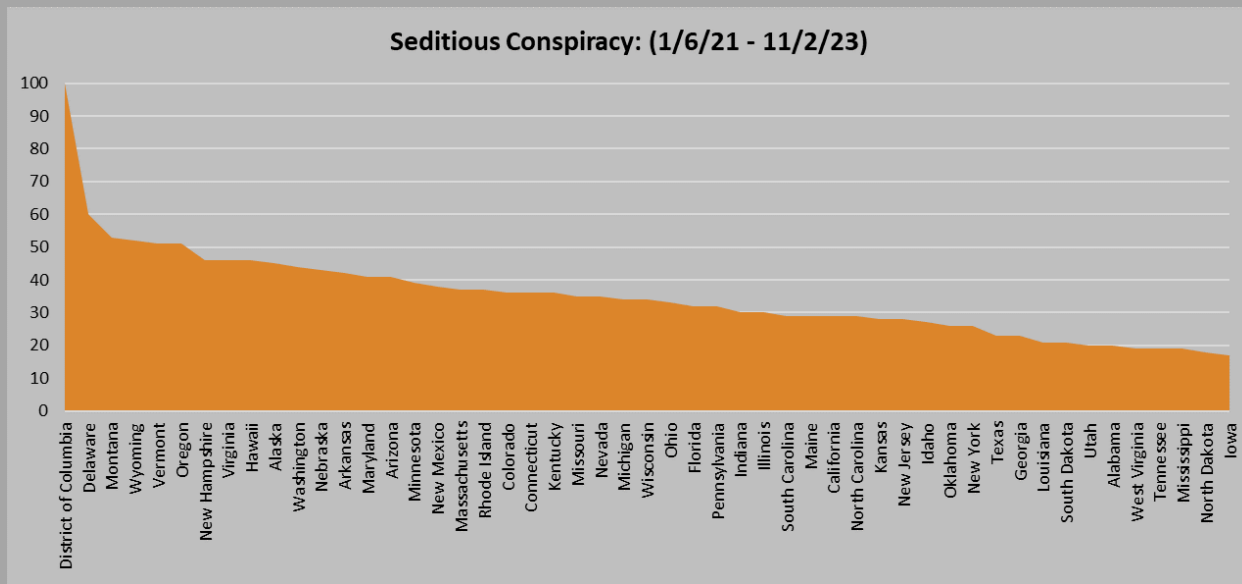
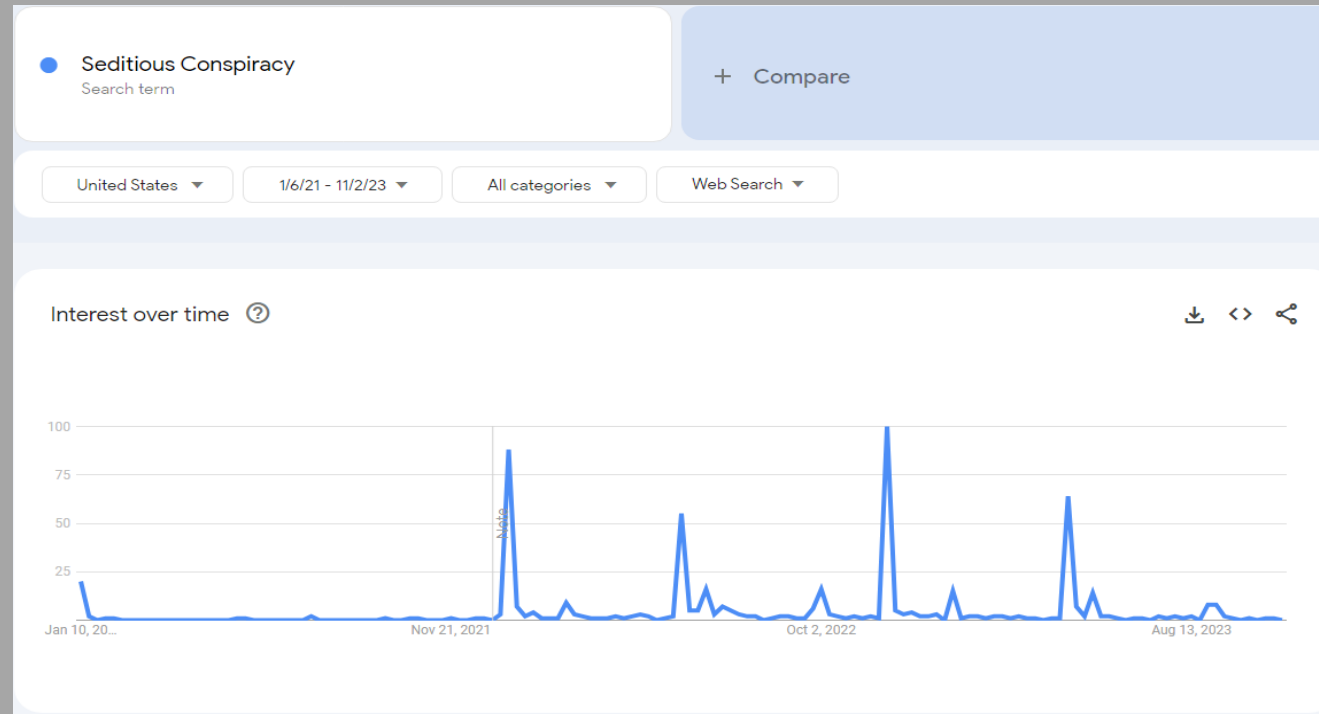


Domestic Terrorist

Complete Timeline

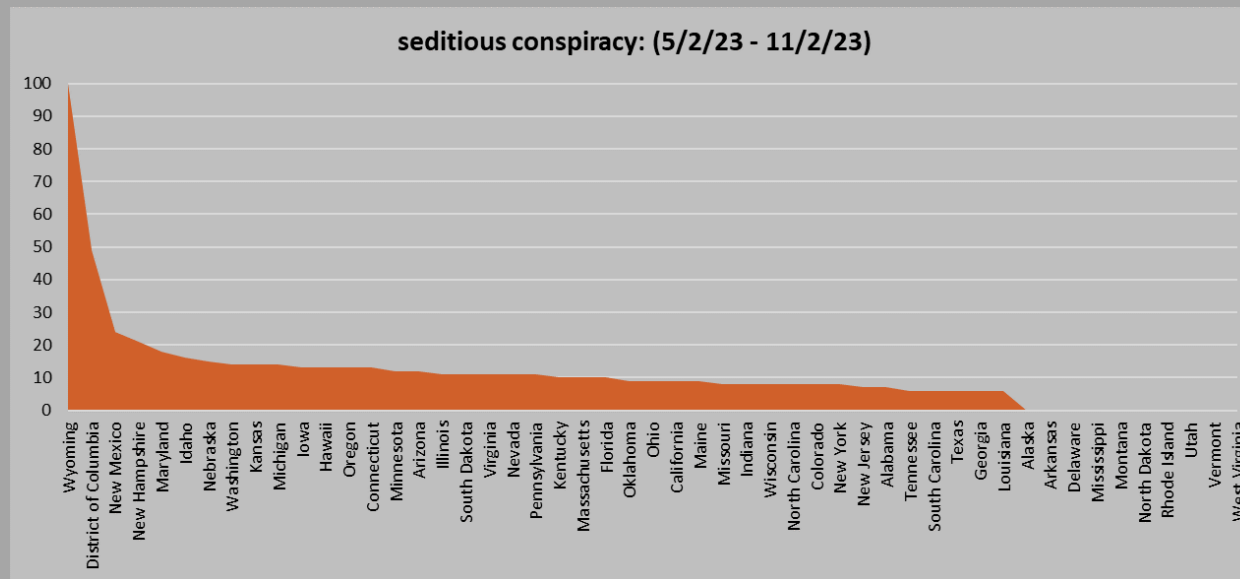
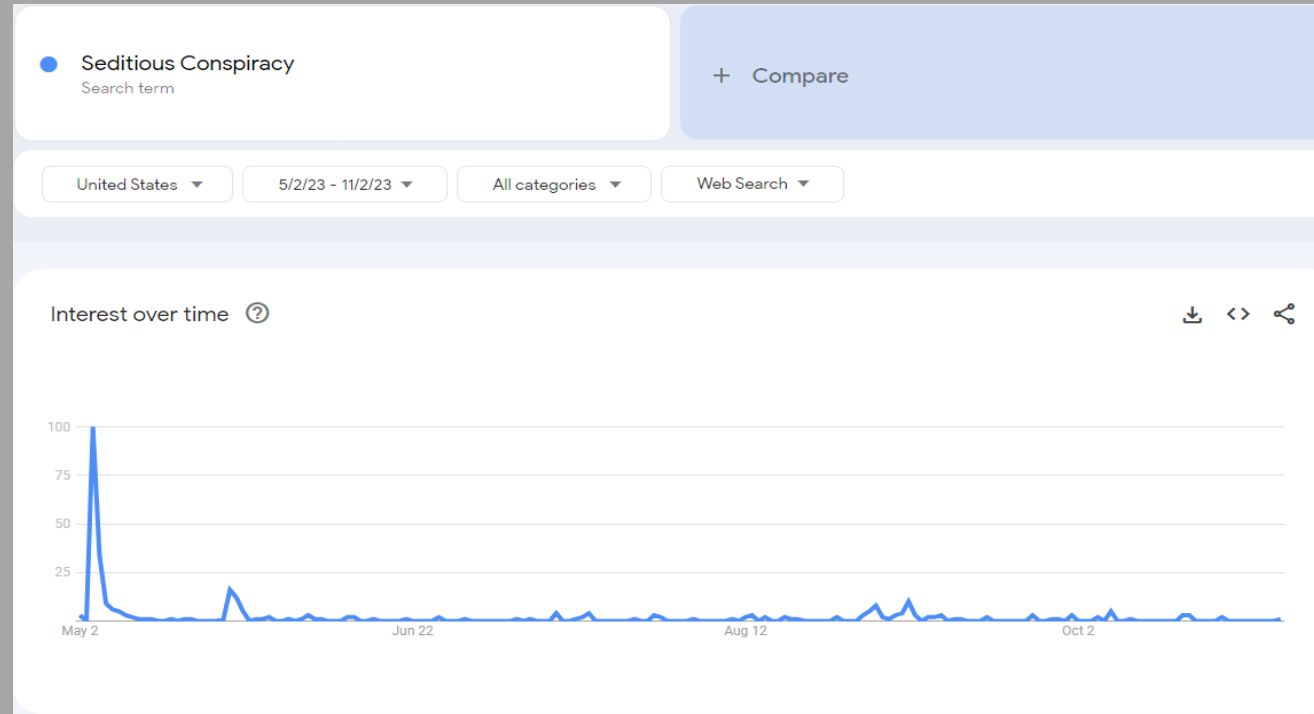
Jan 6, 2021-Nov 2, 2023

Seditious Conspiracy



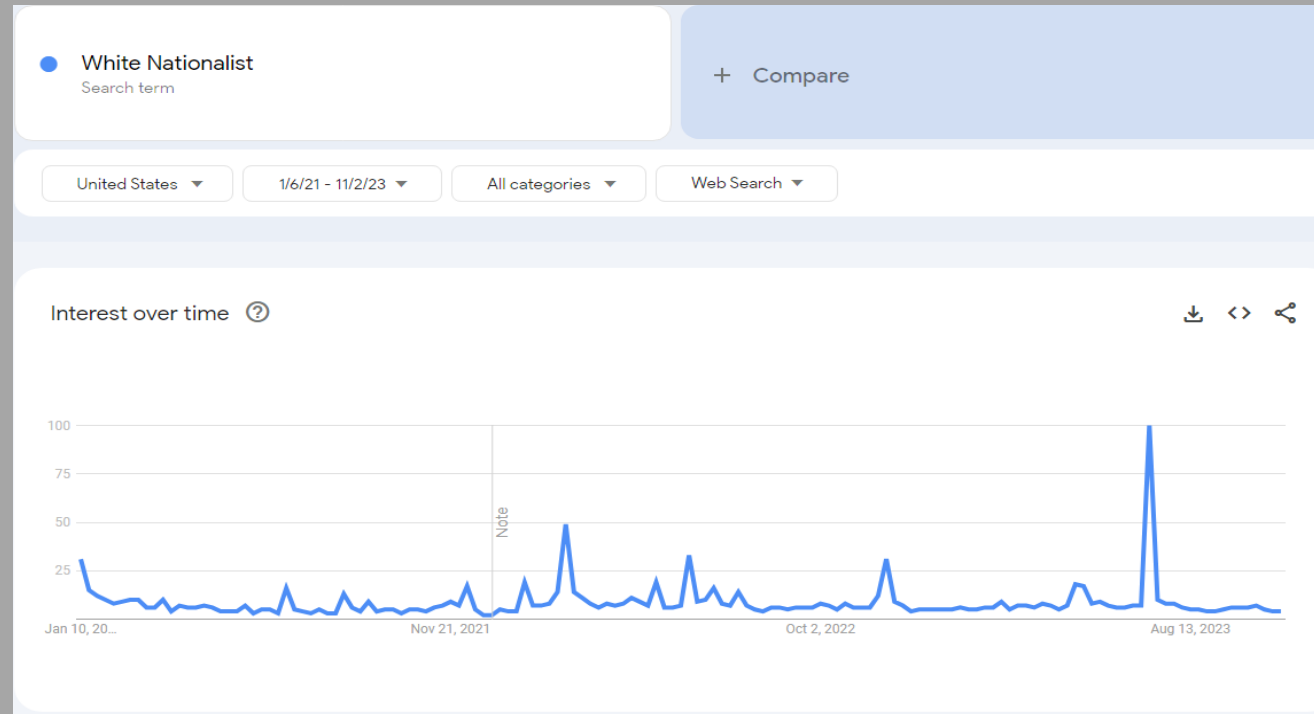
Seditious Conspiracy

Recent Timeline May 2, 2023-Nov 2, 2023

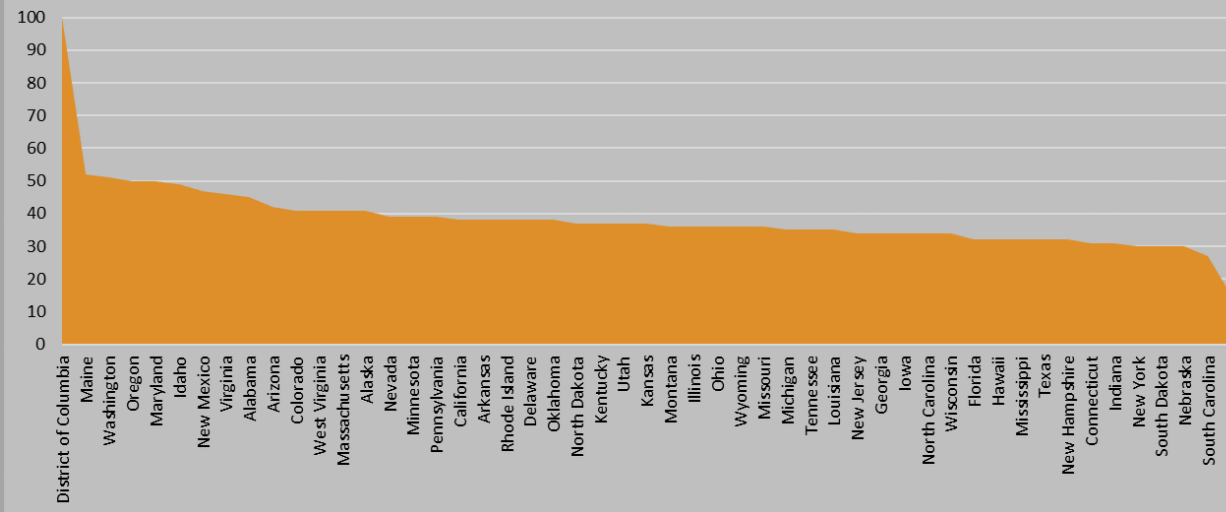


Complete Timeline

Jan 6, 2021-Nov 2, 2023



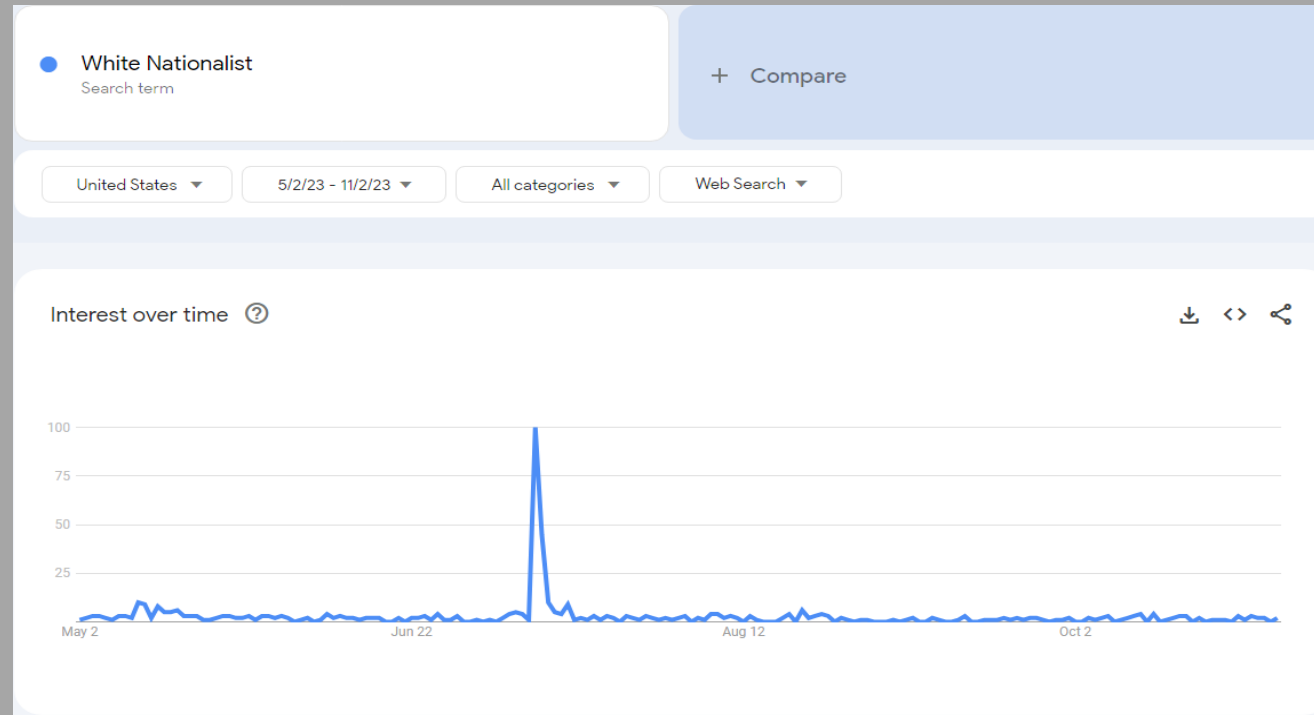
White Nationalist: (1/6/21 - 11/2/23)



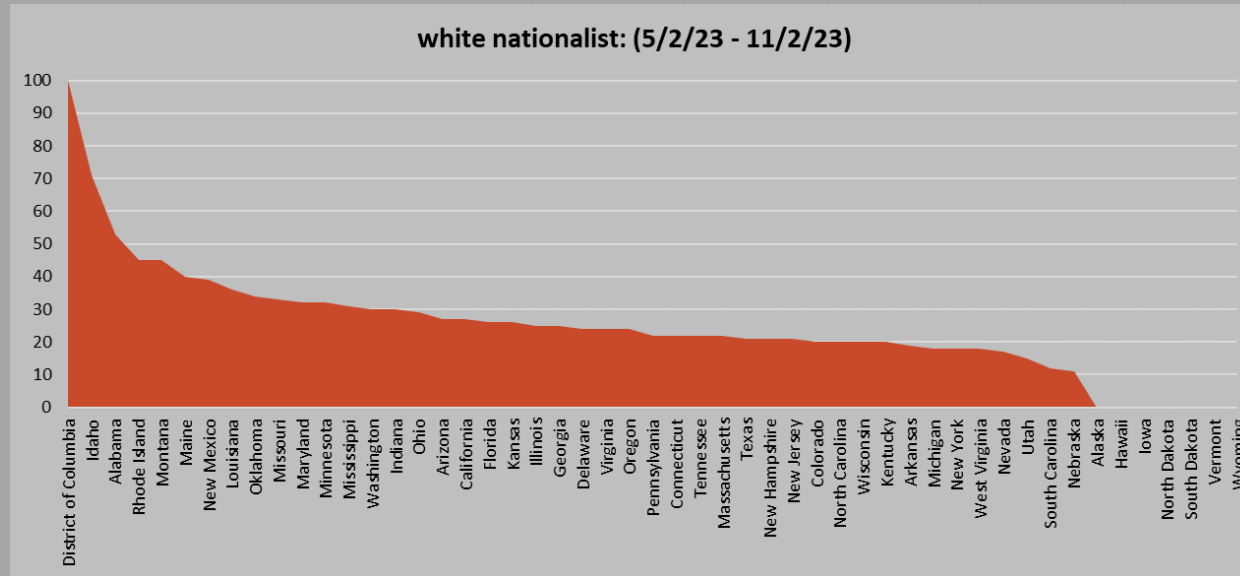
White
Nationalist

Recent Timeline

May 2, 2023-Nov 2, 2023

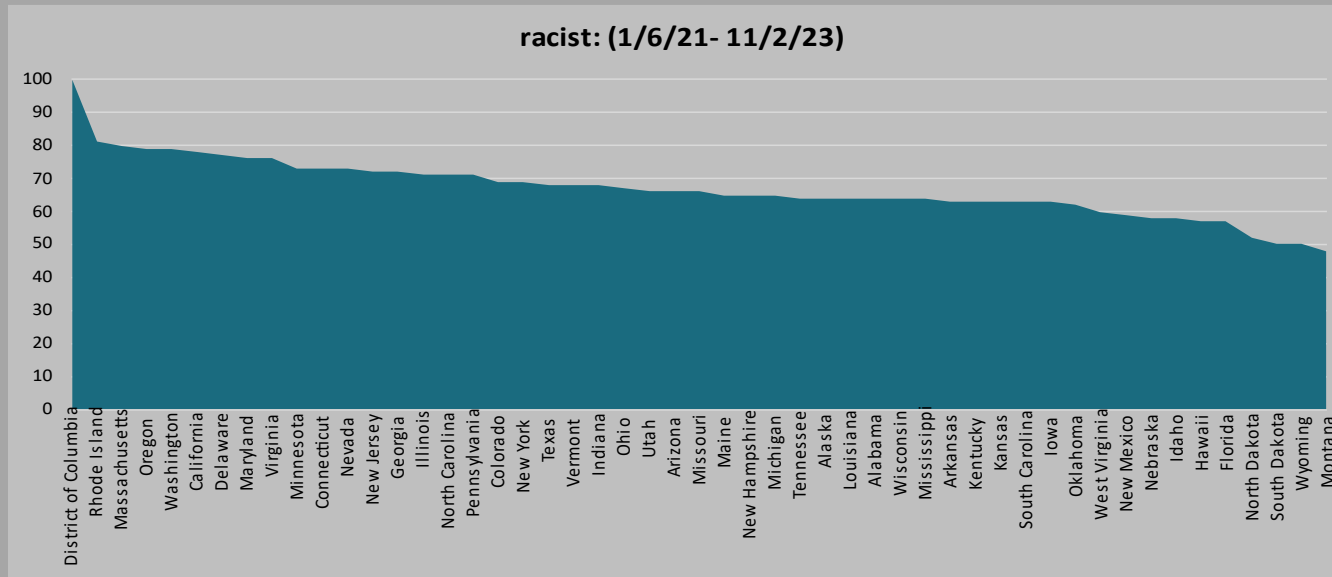
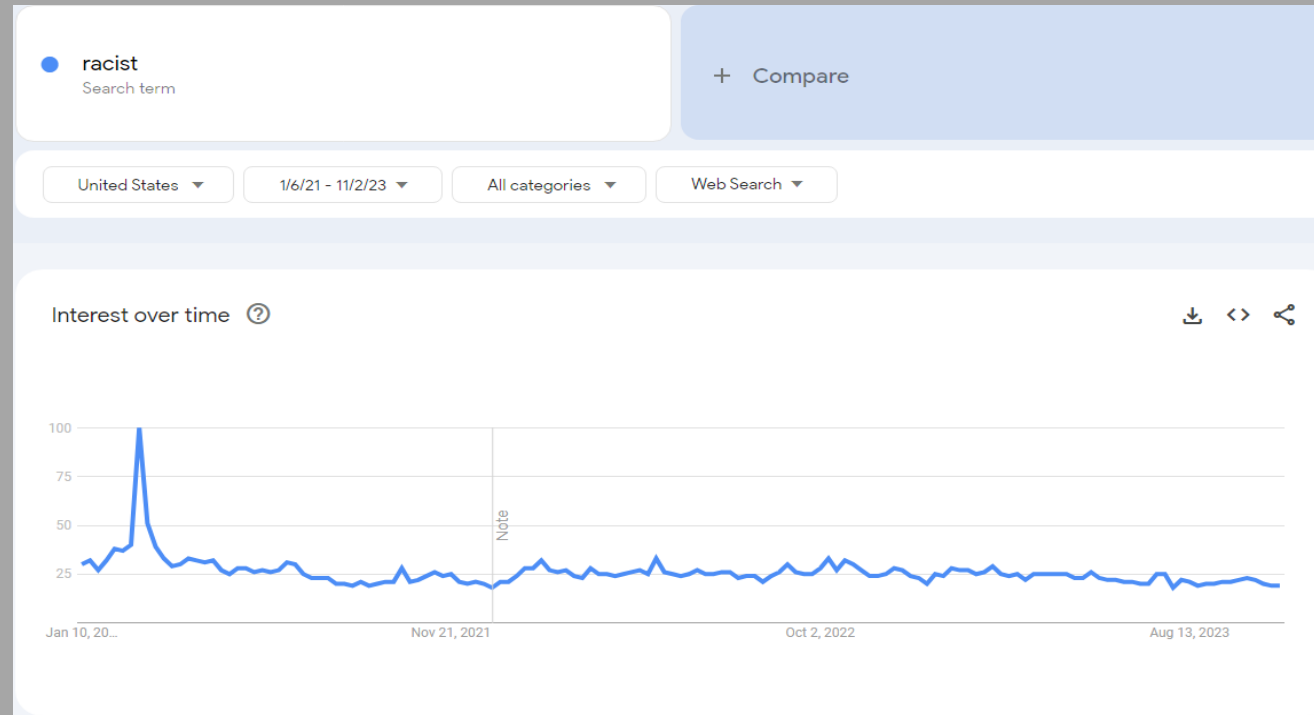


White
National-
ist



Racist

Complete Timeline Jan 6, 2021-Nov 2, 2023

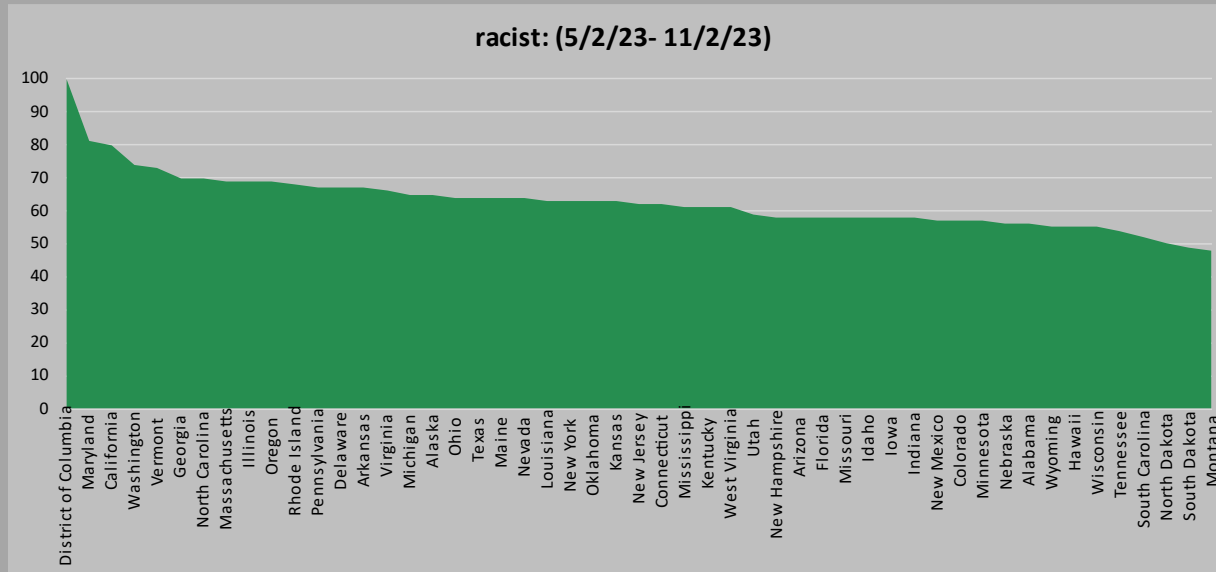
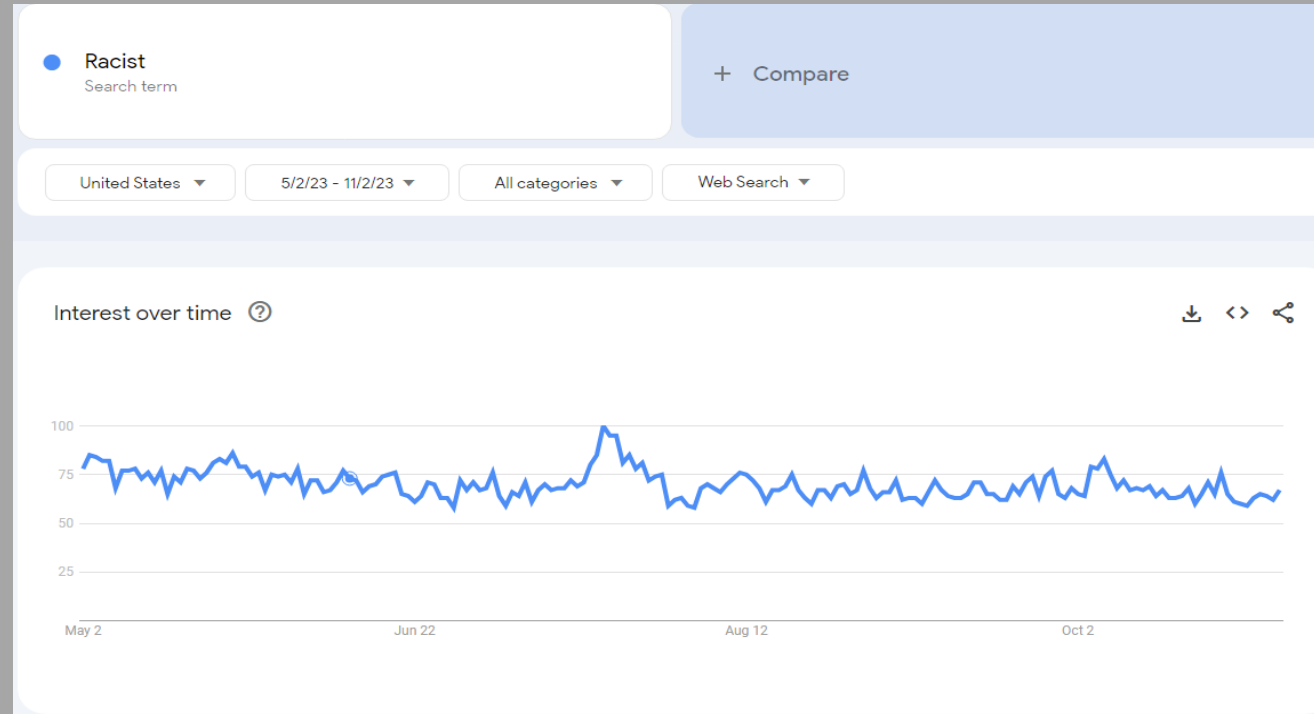


<https://trends.google.com/trends/explore?date=2021-01-06%202023-11-02&geo=US&q=racist>



Racist

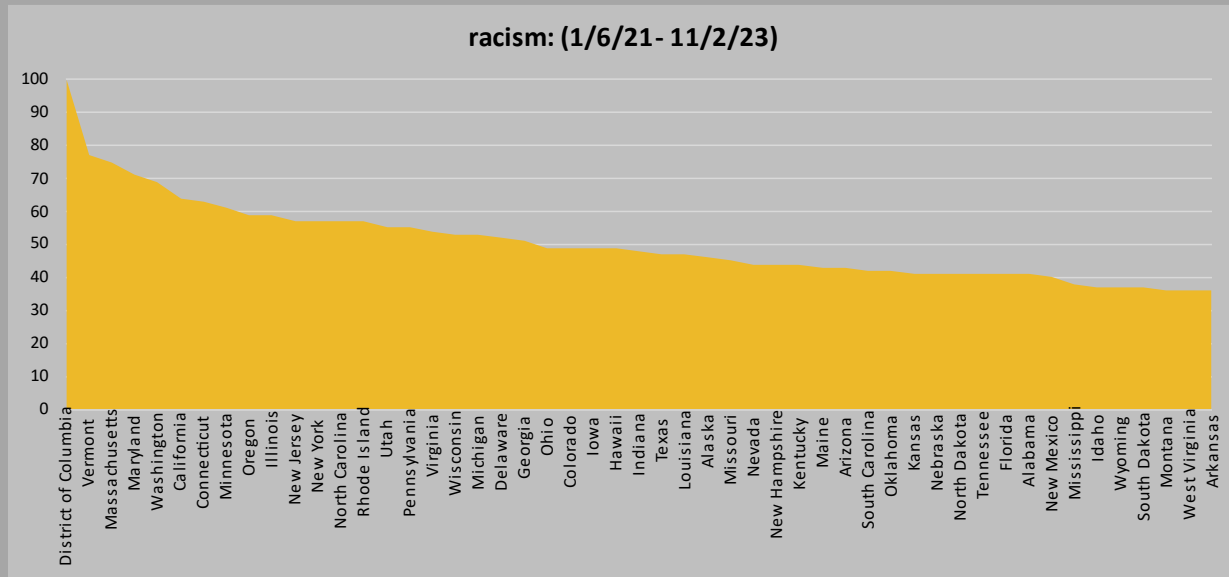
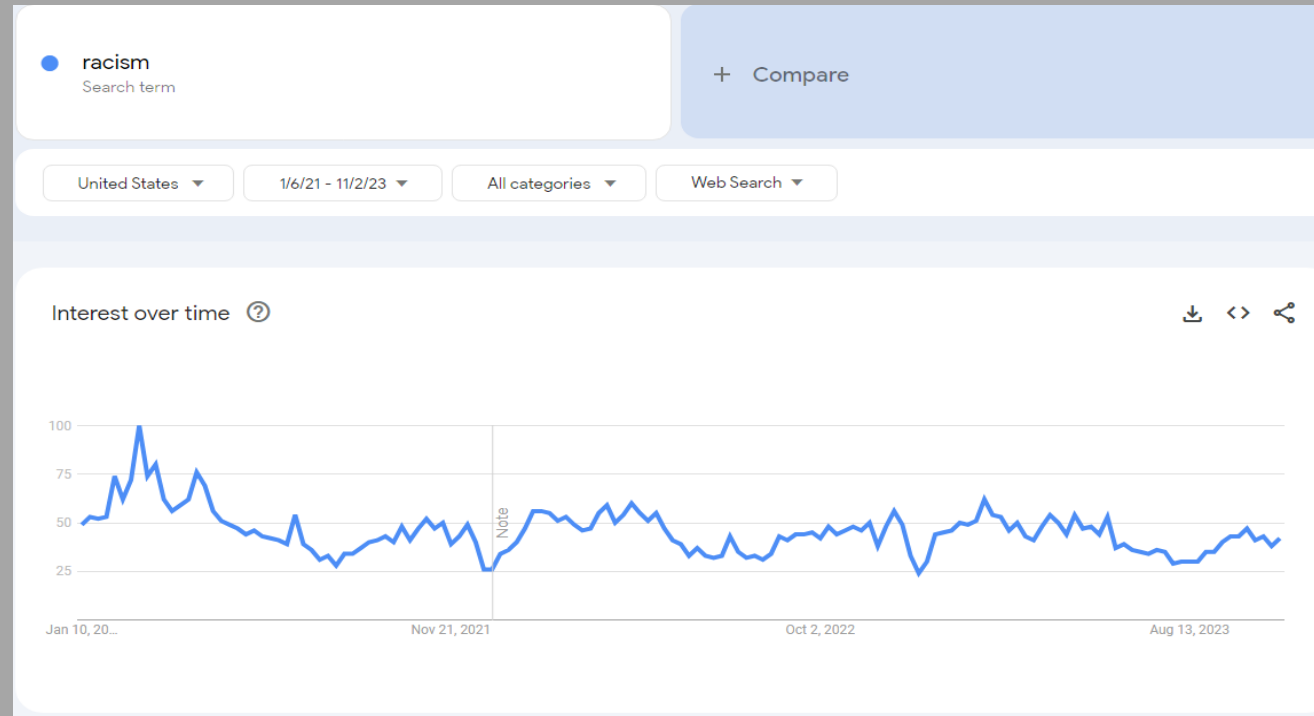
Recent Timeline May 2, 2023-Nov 2, 2023



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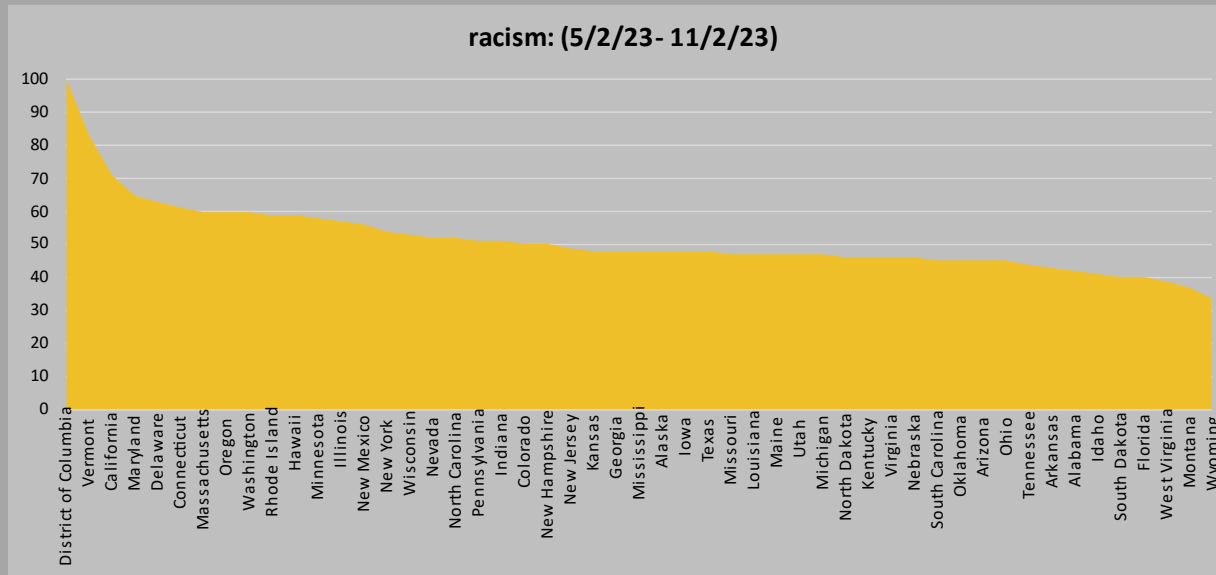
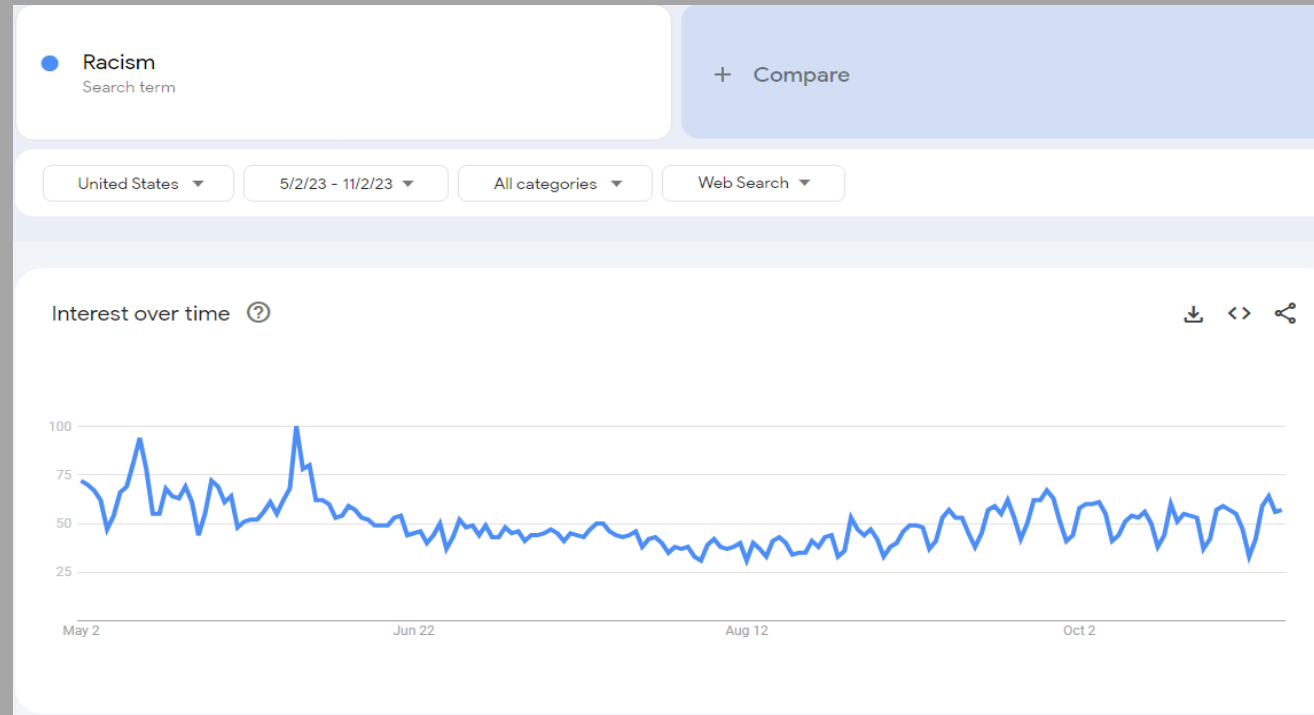
Racism

Complete Timeline Jan 6, 2021-Nov 2, 2023



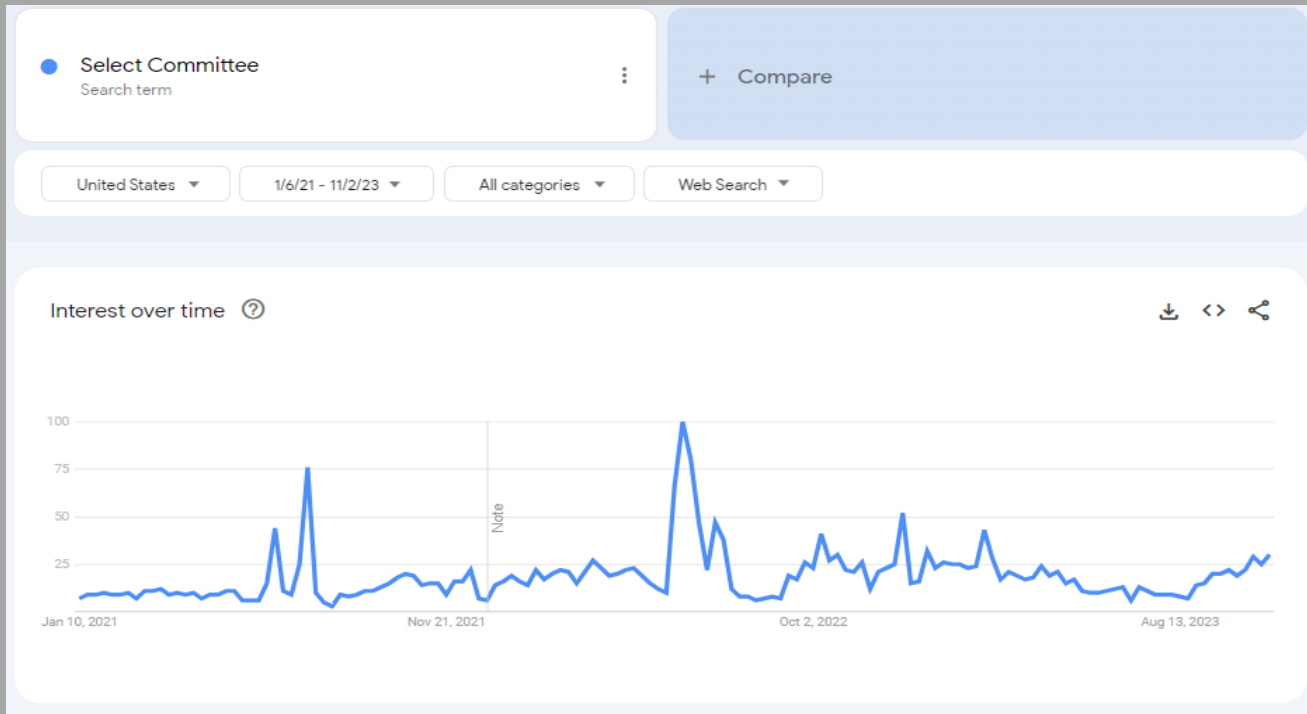
Racism

Recent Timeline May 2, 2023-Nov 2, 2023

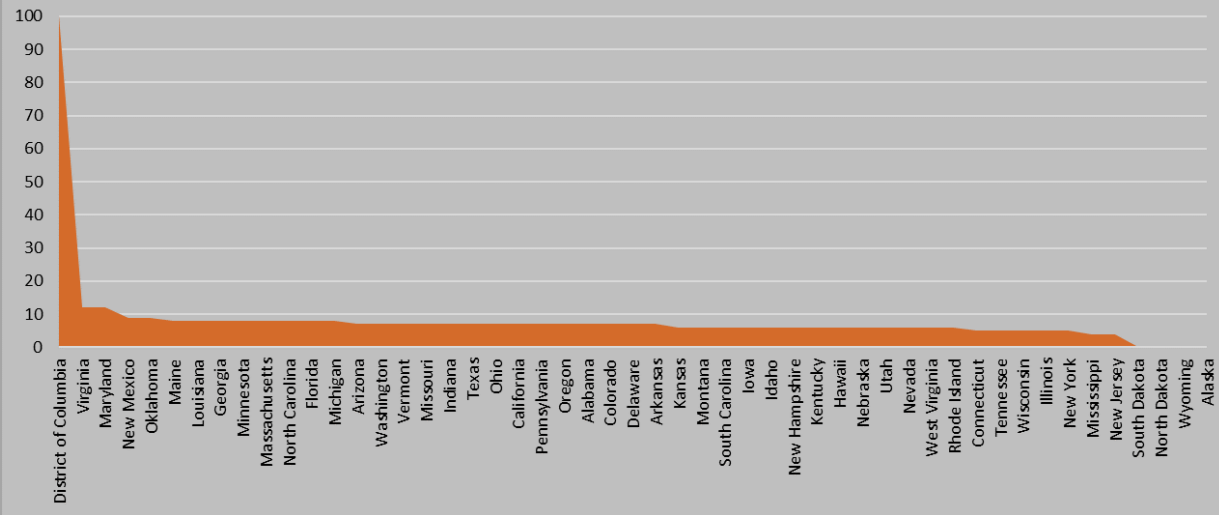


Complete Timeline

Jan 6, 2021-Nov 2, 2023



select committee: (1/6/21 - 11/2/23)

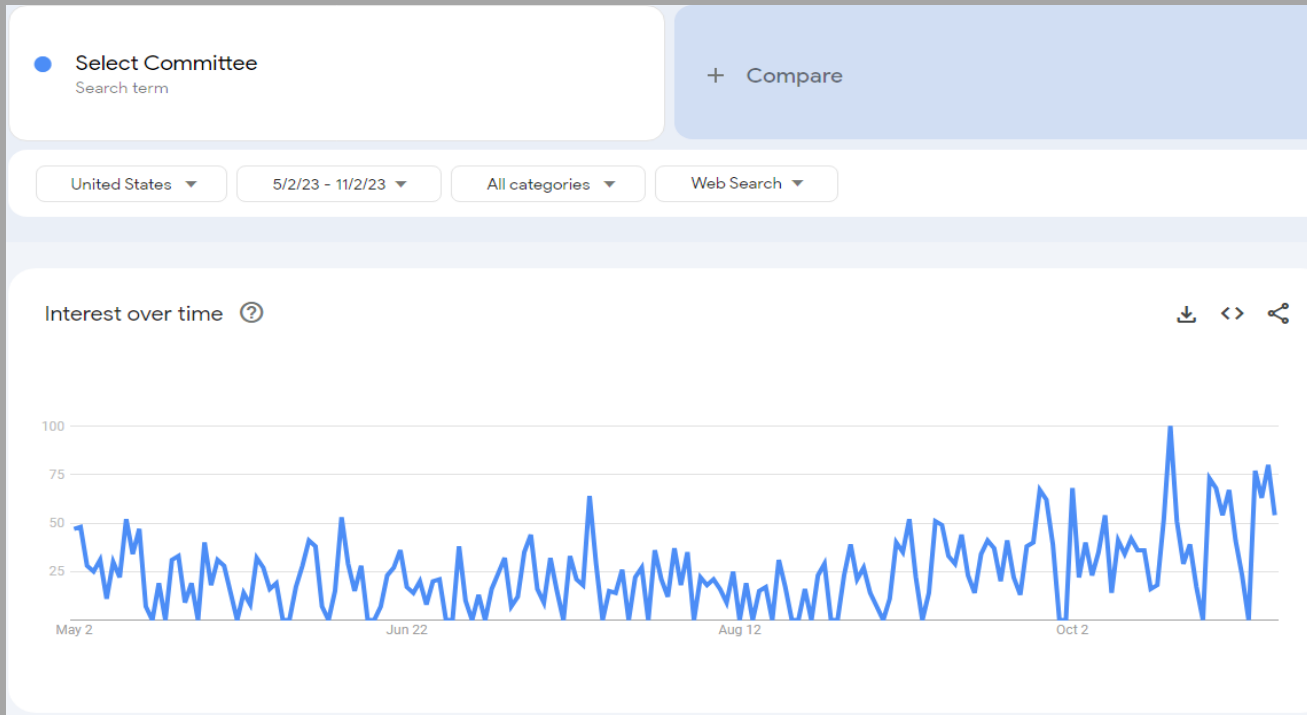


Select Committee

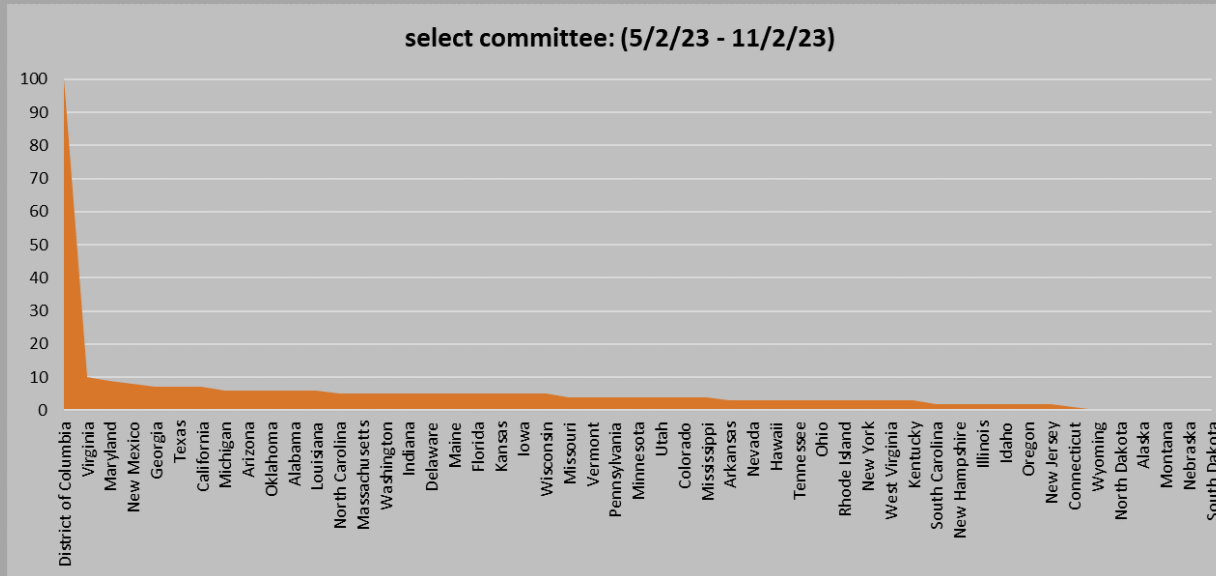


Recent Timeline

May 2, 2023-Nov 2, 2023



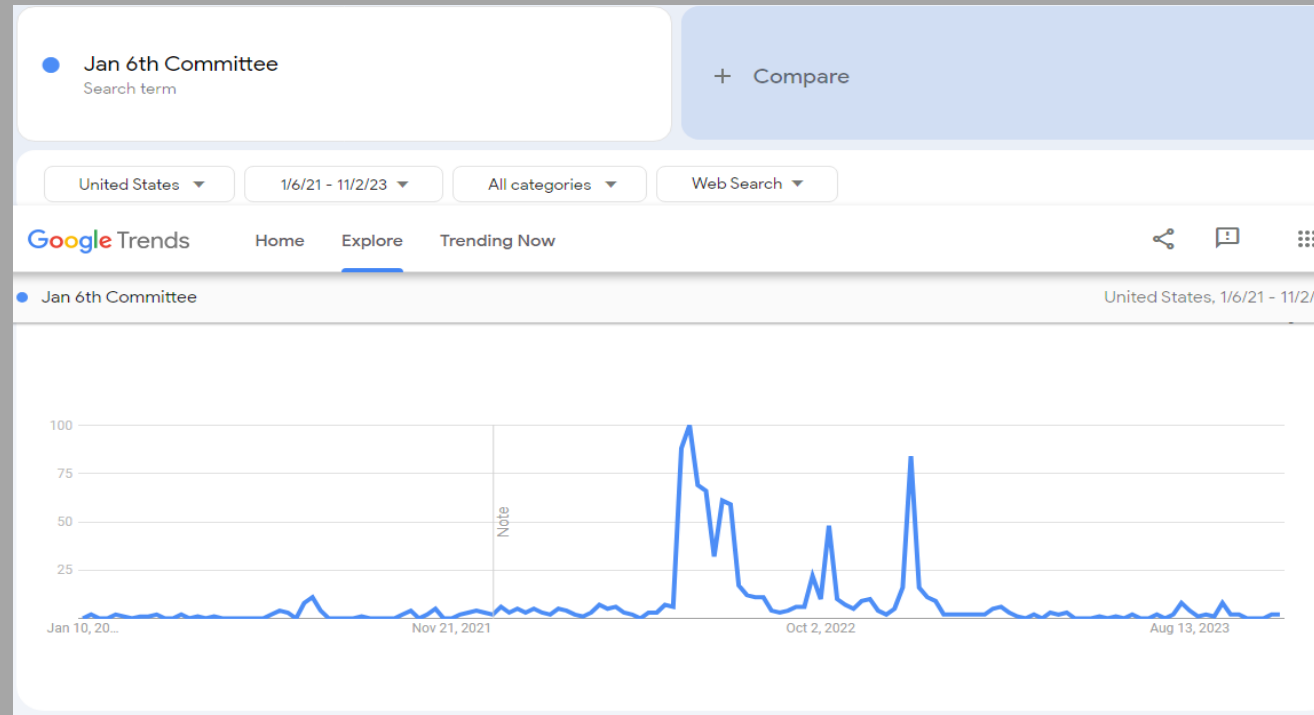
Select Committee



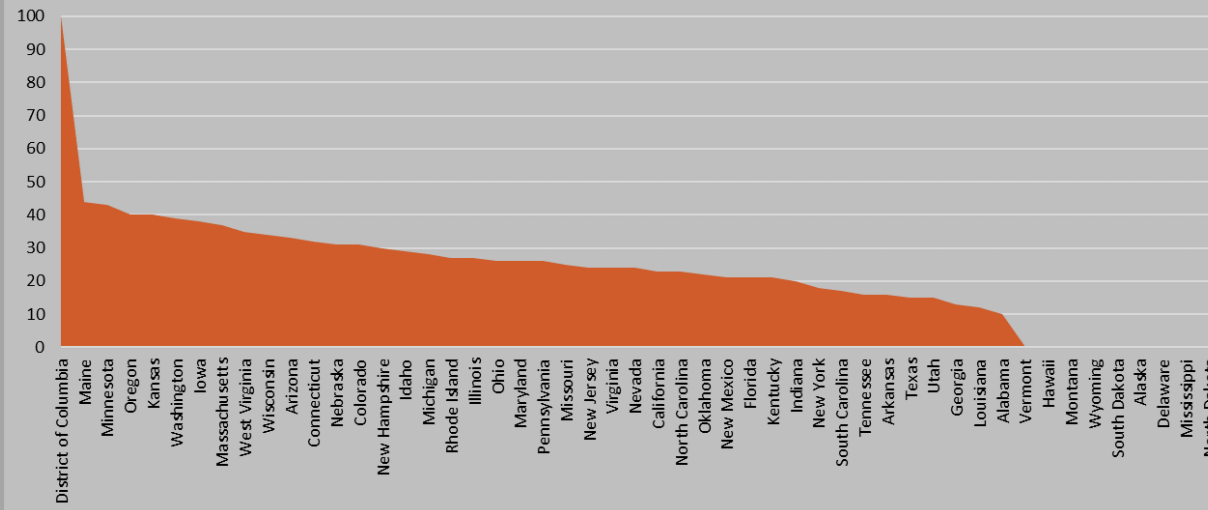
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Complete Timeline

Jan 6, 2021-Nov 2, 2023



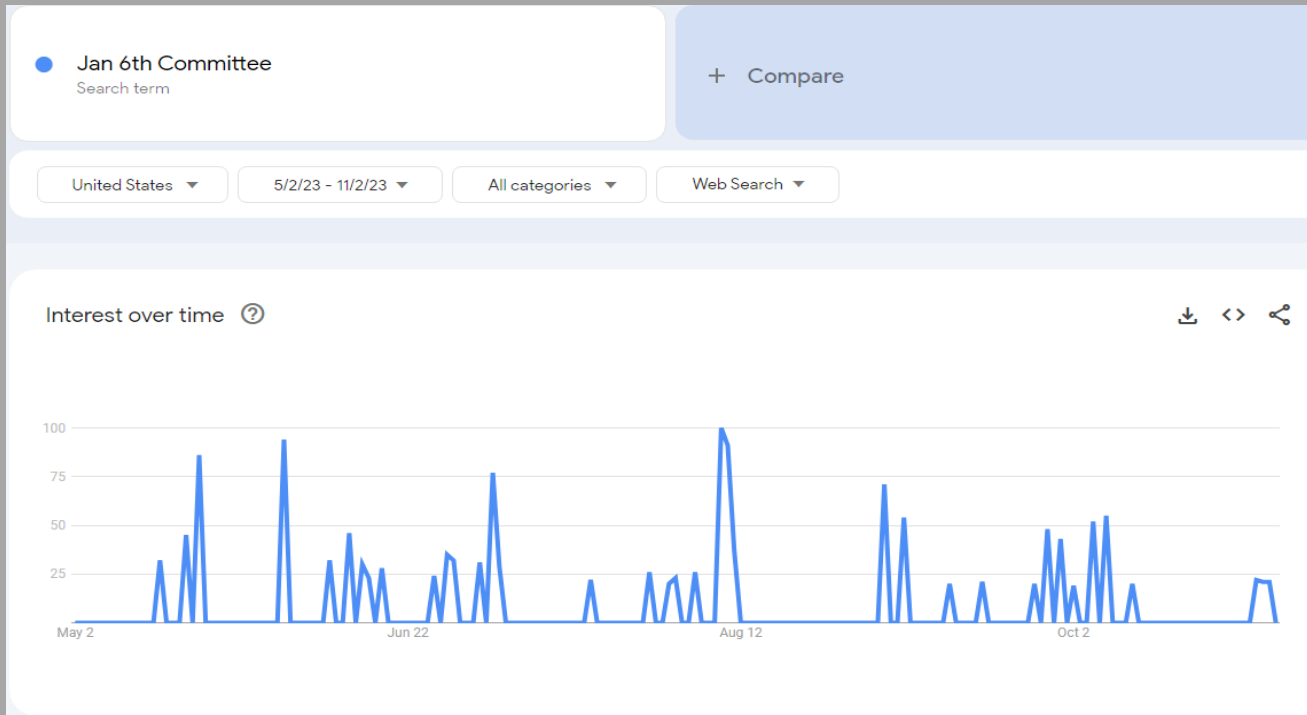
Jan 6th committee: (1/6/21 - 11/2/23)



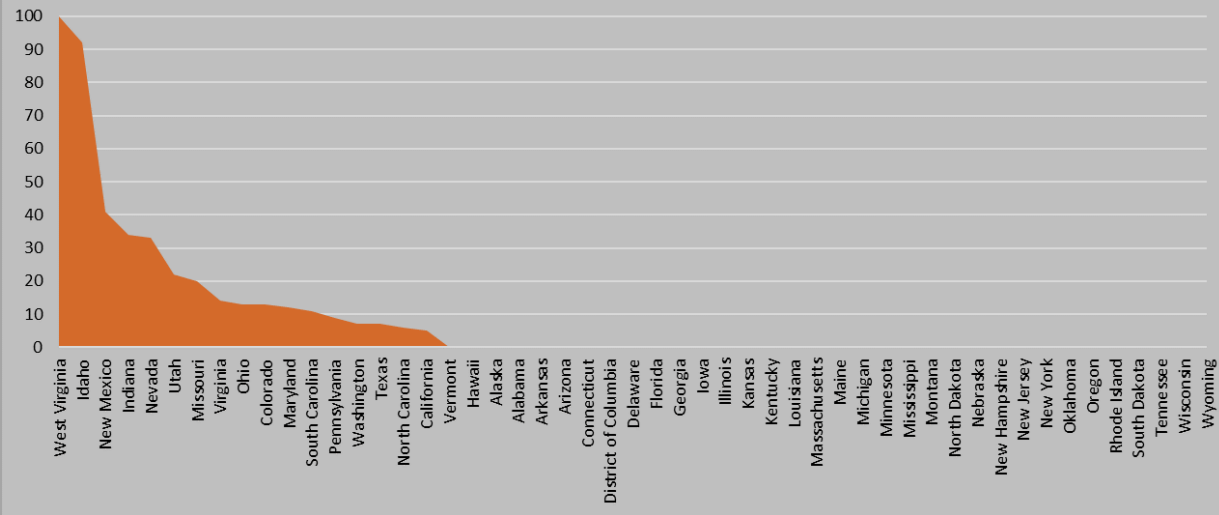
Jan 6th
Committee

Recent Timeline

May 2, 2023-Nov 2, 2023



Jan 6th committee: (1/6/21 - 11/2/23)

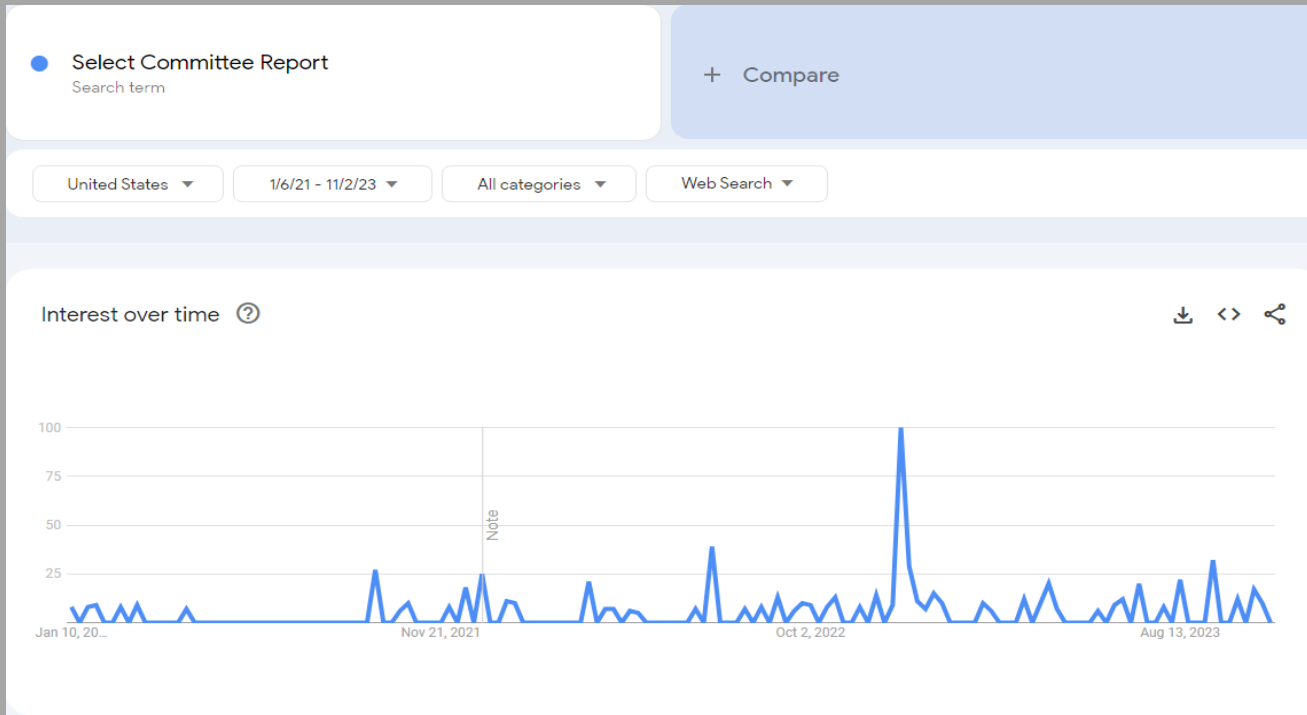


Jan 6th
Committee

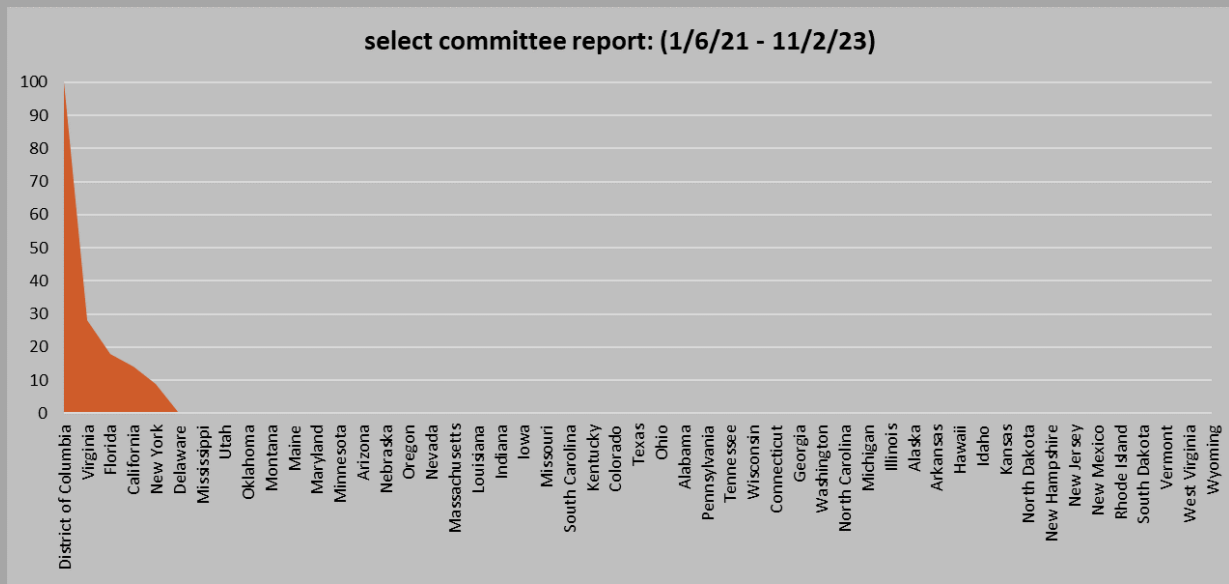


Complete Timeline

Jan 6, 2021-Nov 2, 2023

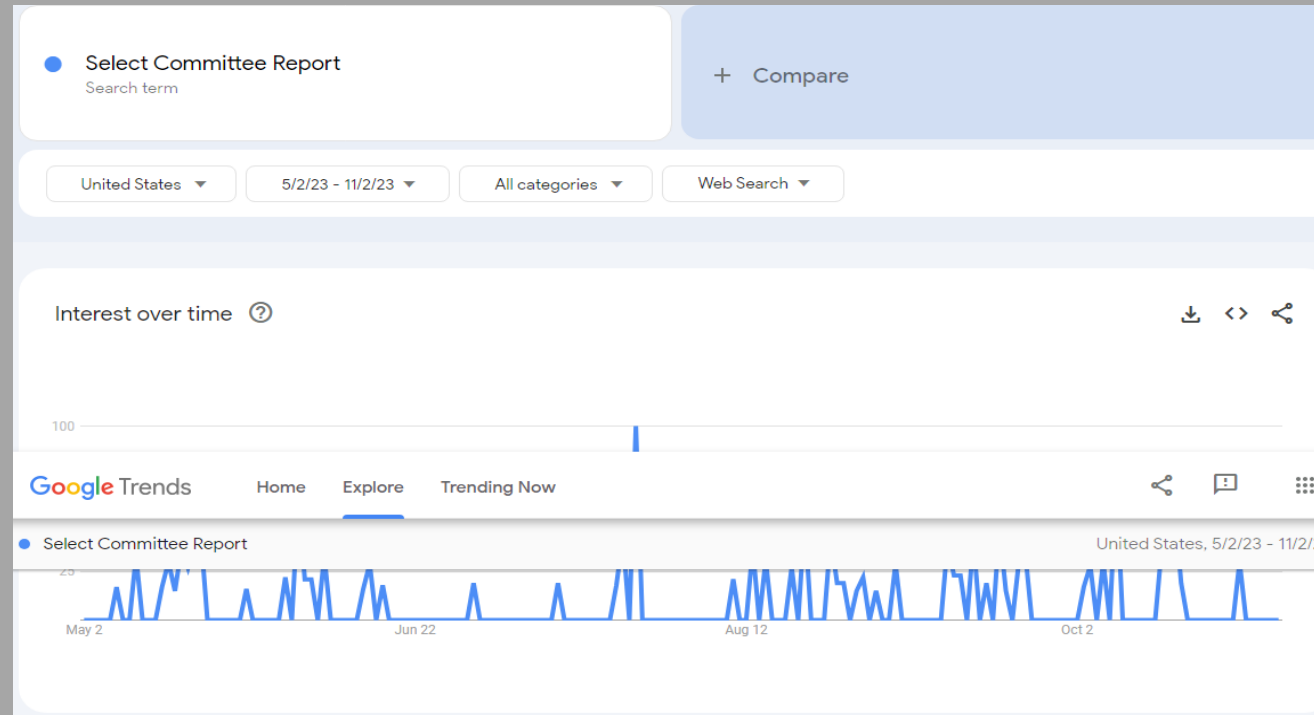


Select
Committee
Report

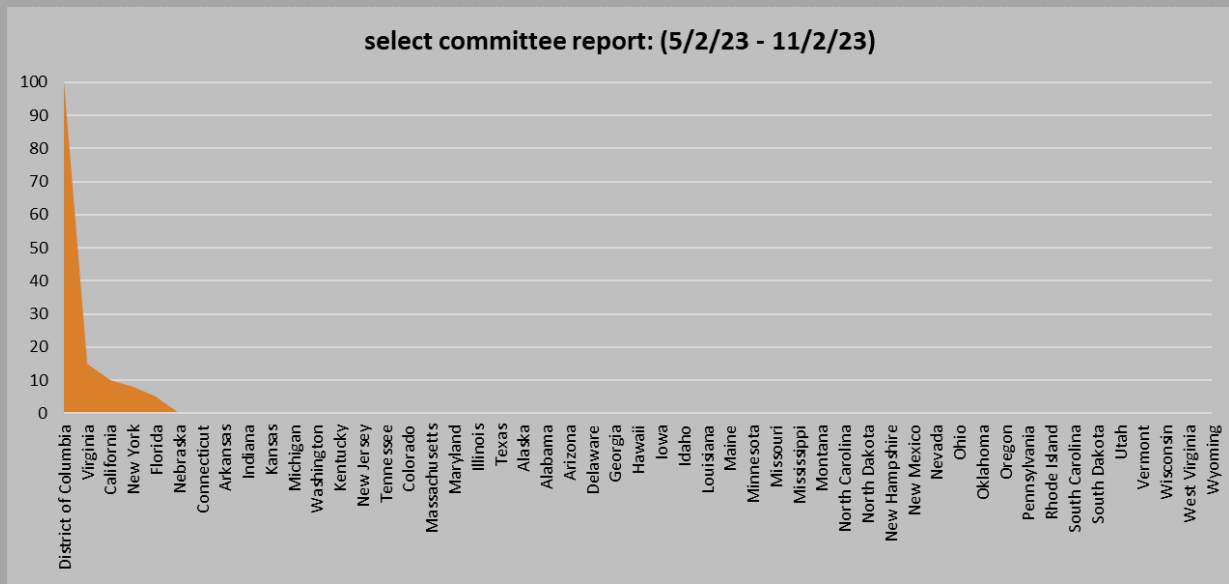


Recent Timeline

May 2, 2023-Nov 2, 2023



Select Committee Report



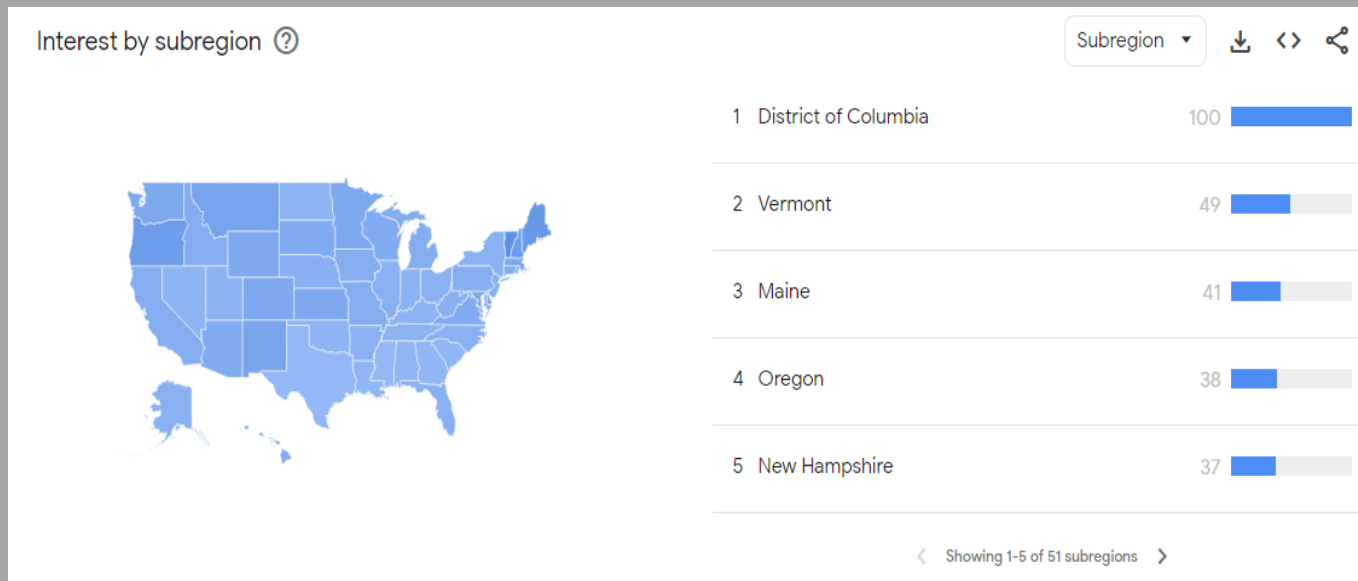
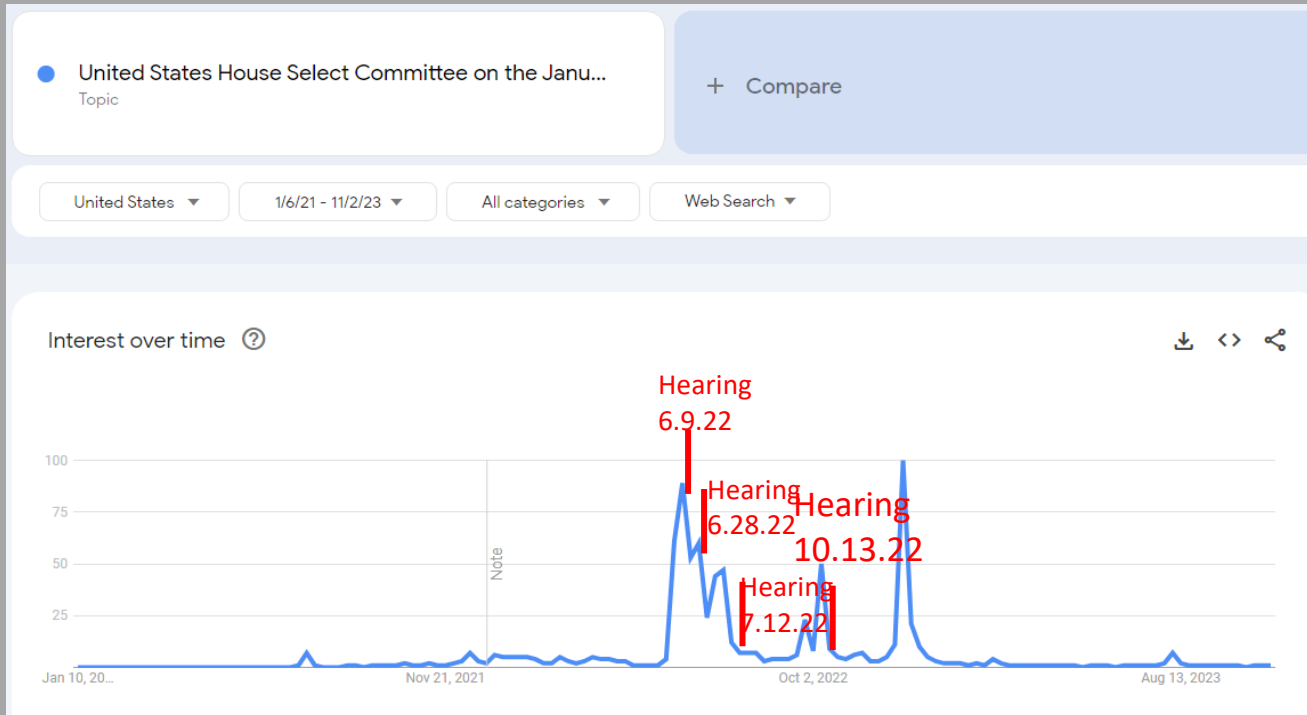
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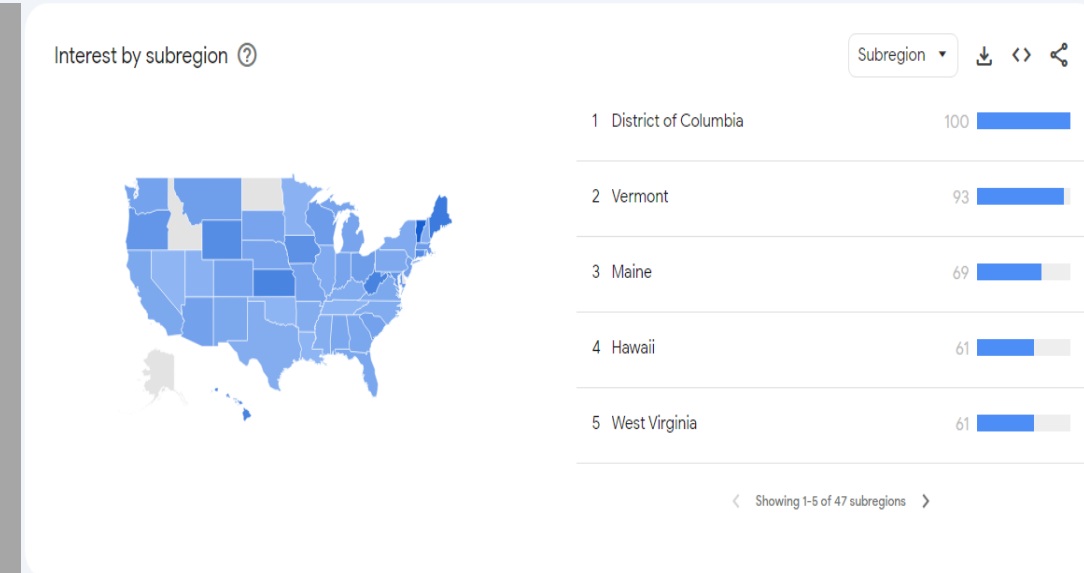
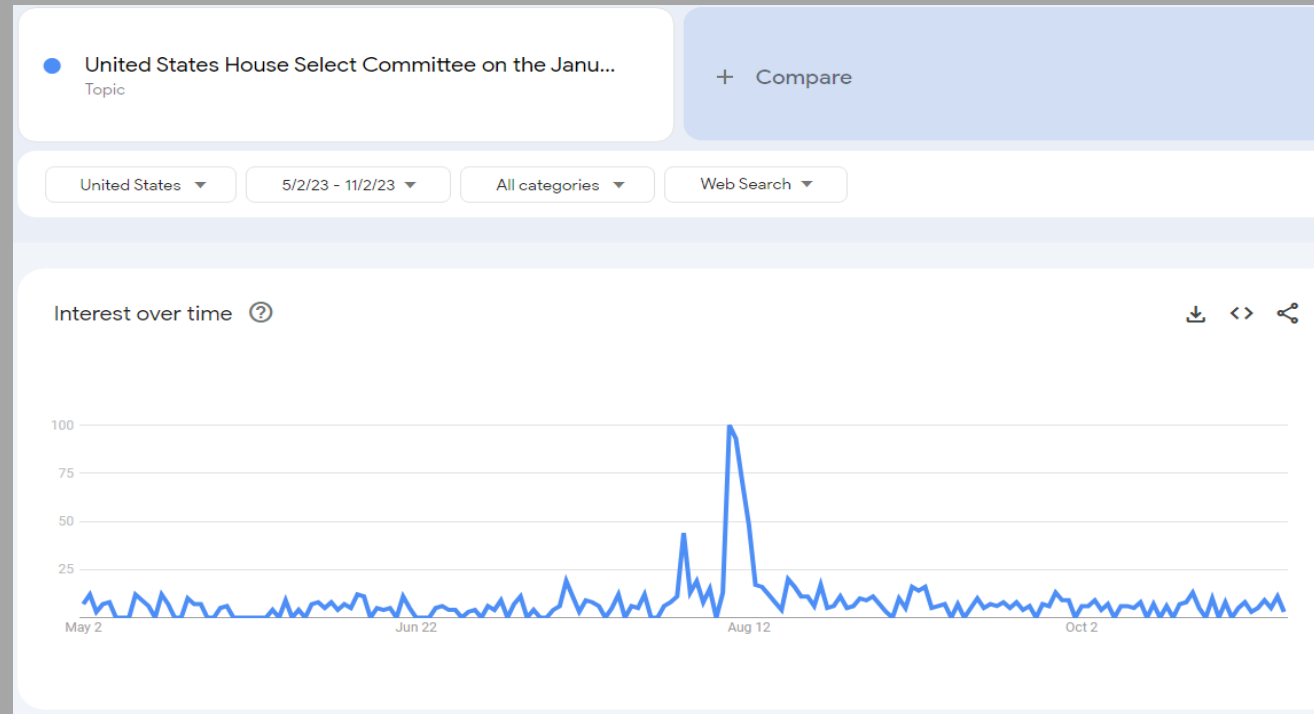
United States House Select Committee on the January 6 Attack



Recent Timeline

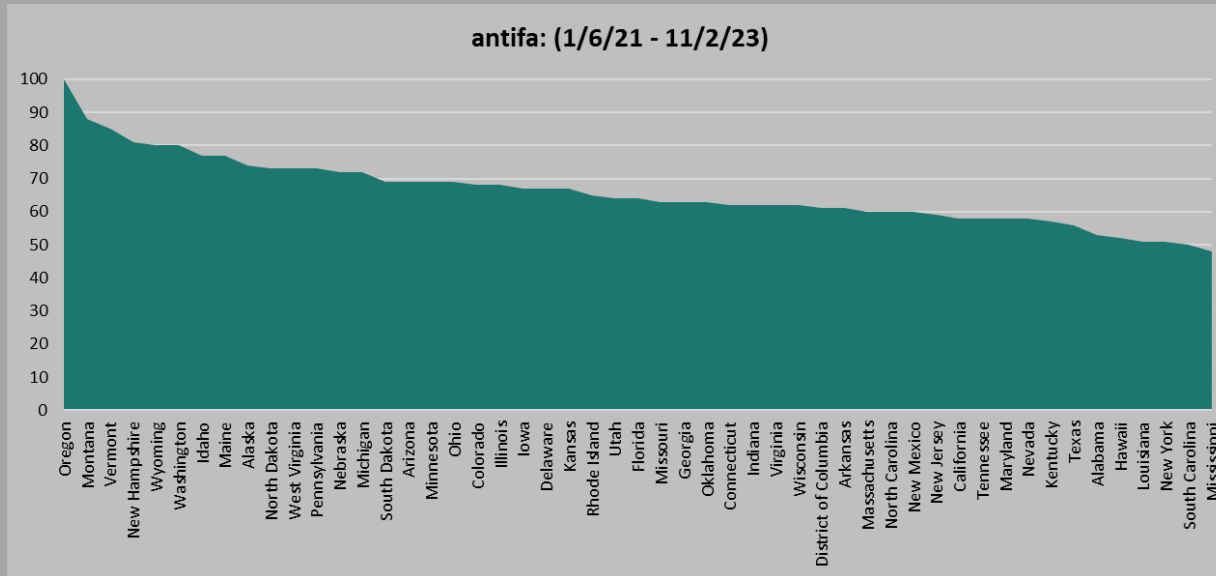
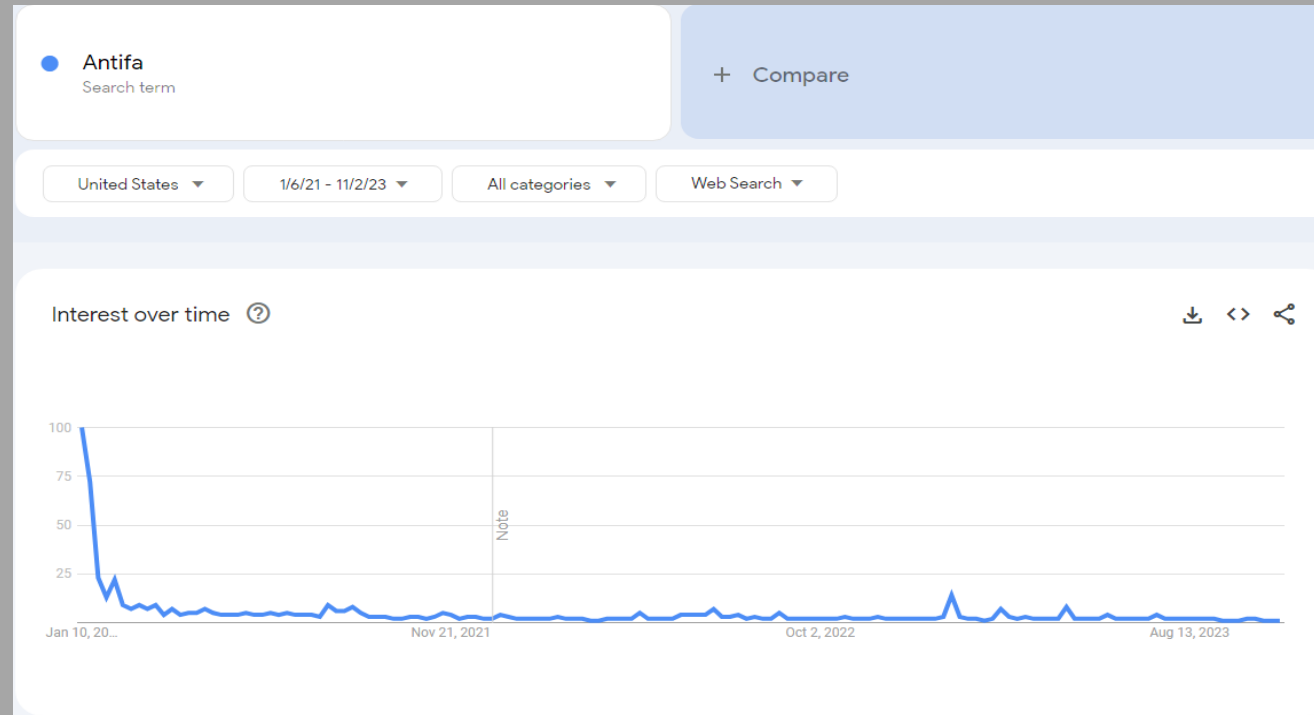
May 2, 2023-Nov 2, 2023

United States House Select Committee on the January 6 Attack



Antifa

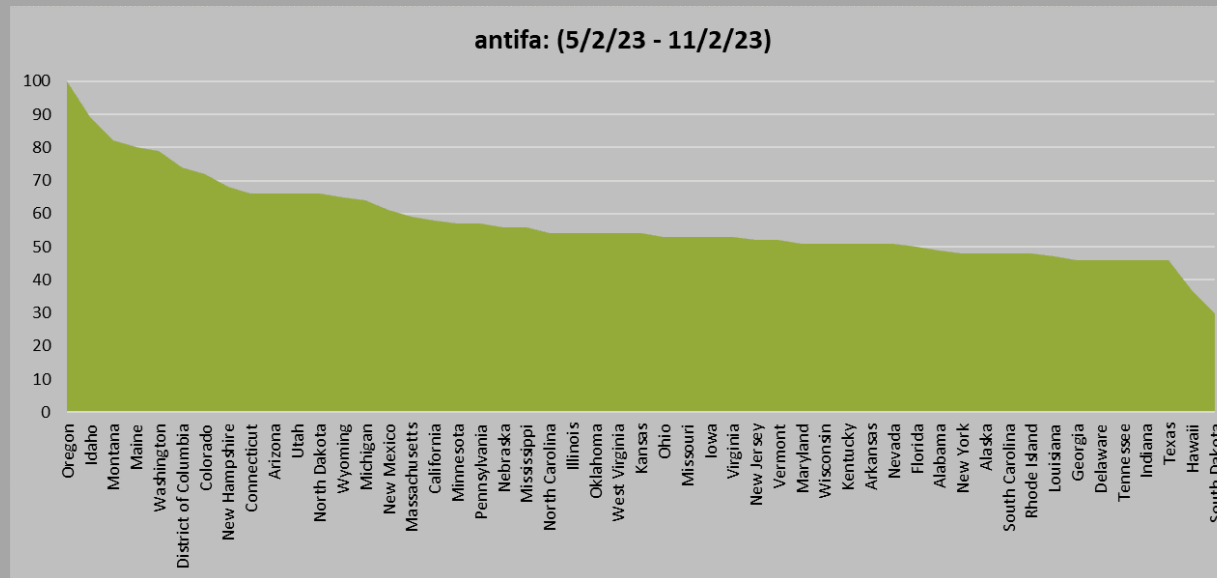
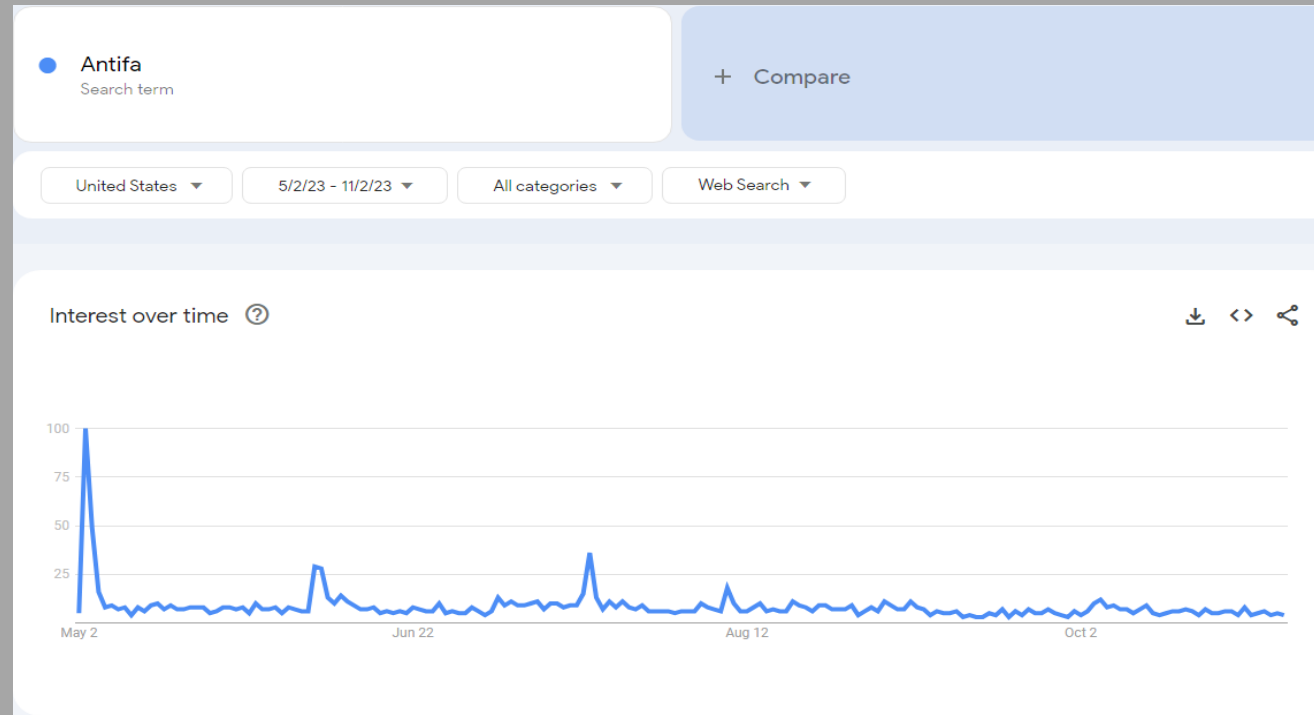
Complete Timeline Jan 6, 2021-Nov 2, 2023



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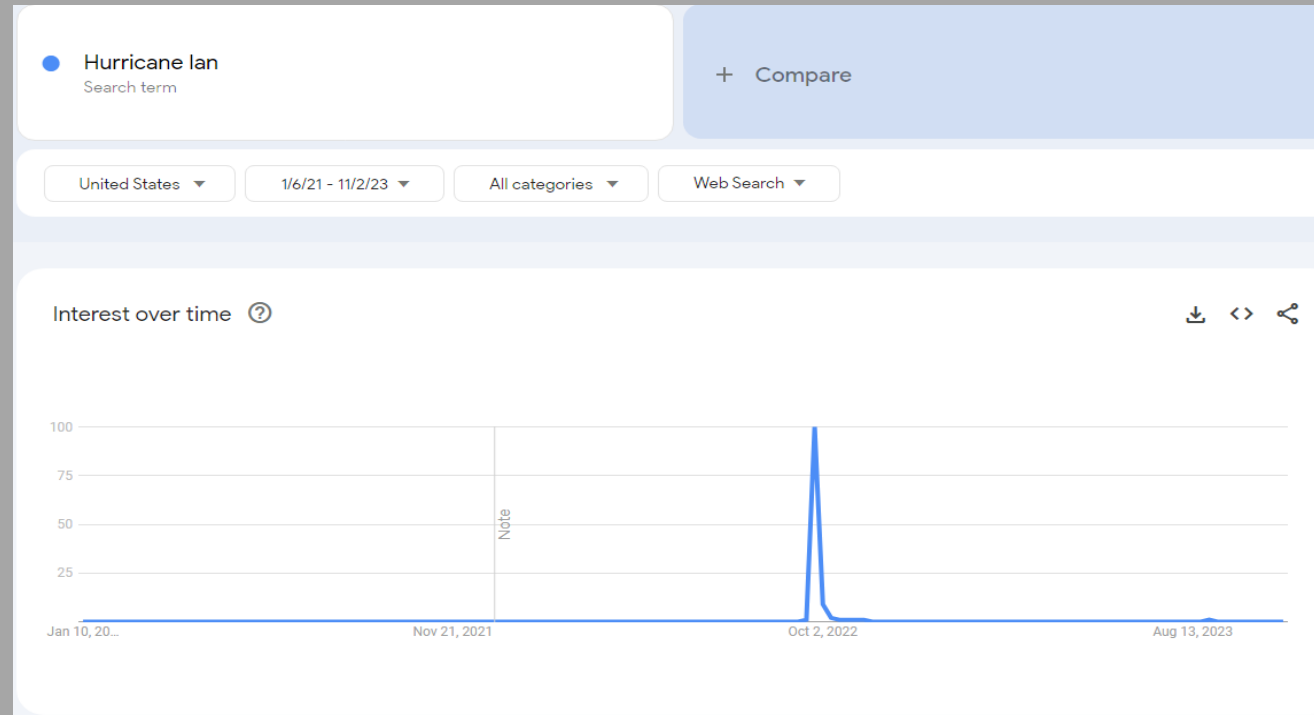
Antifa

Recent Timeline May 2, 2023-Nov 2, 2023

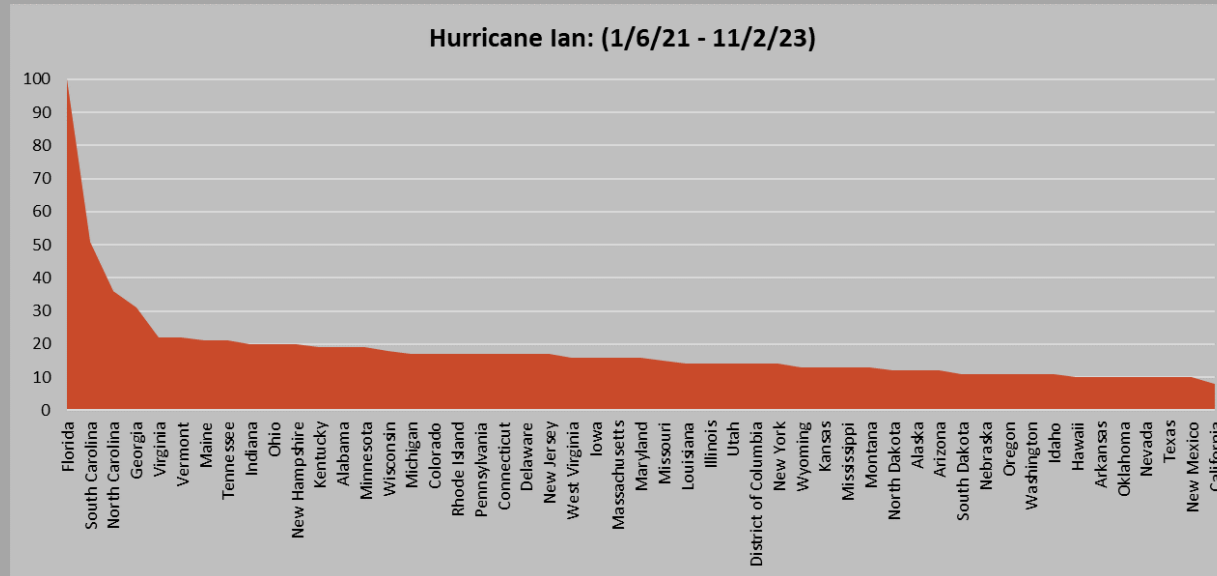


Complete Timeline

Jan 6, 2021-Nov 2, 2023



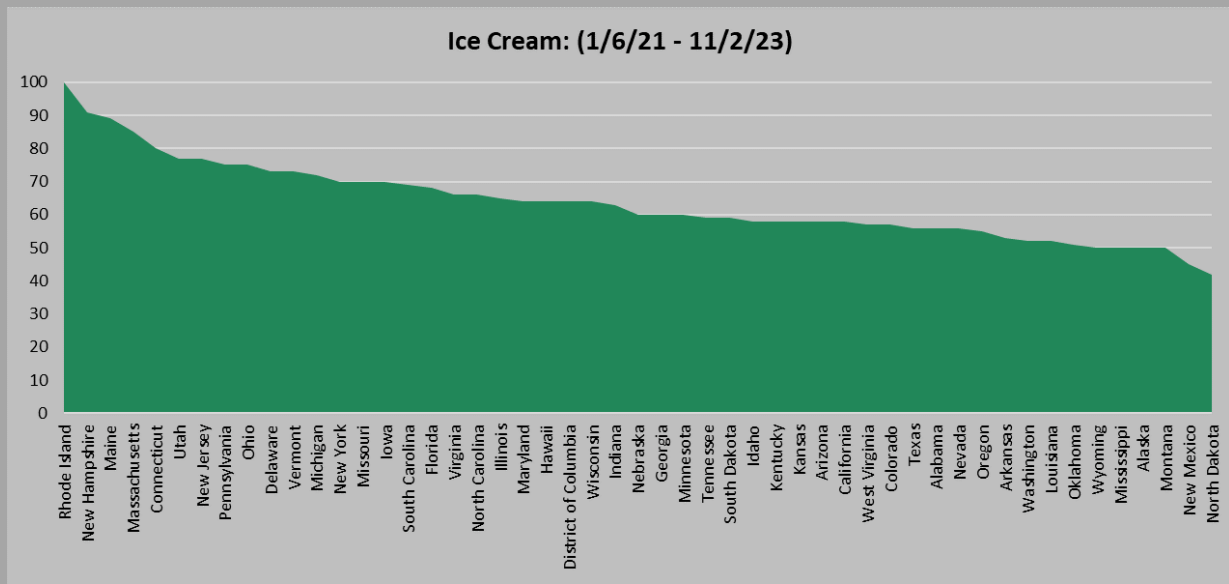
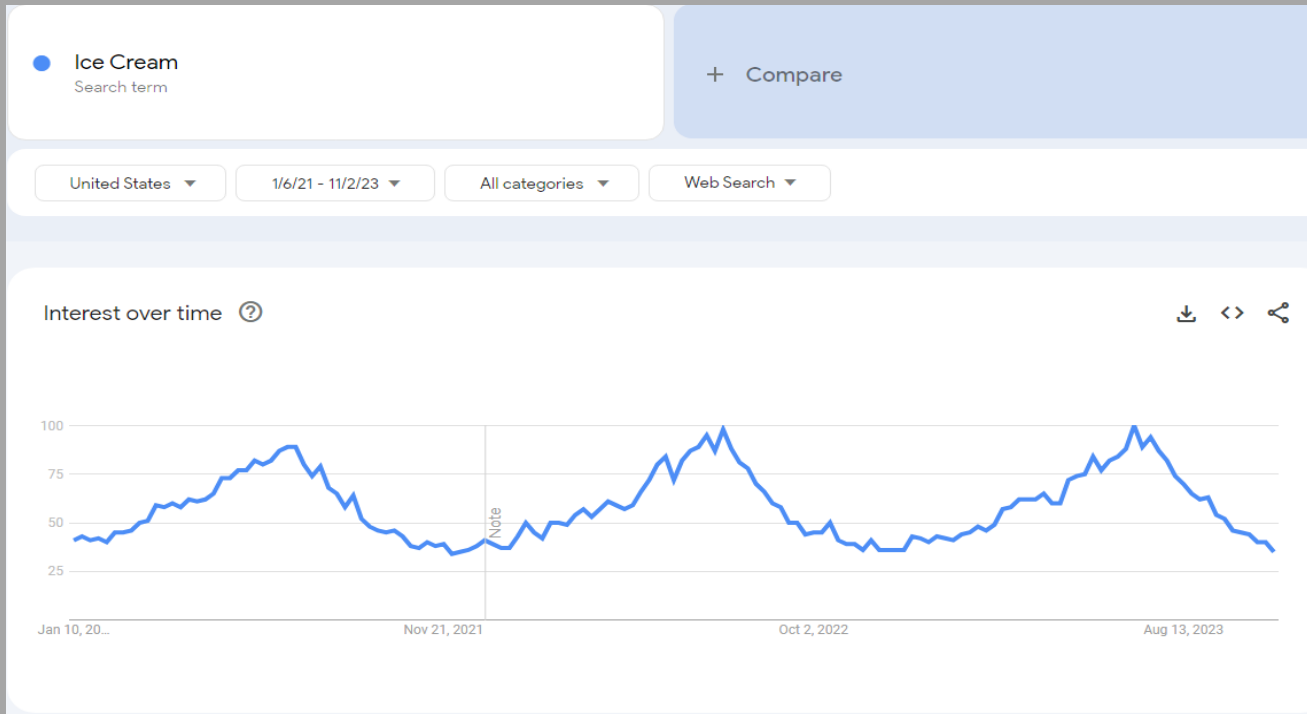
Hurricane Ian



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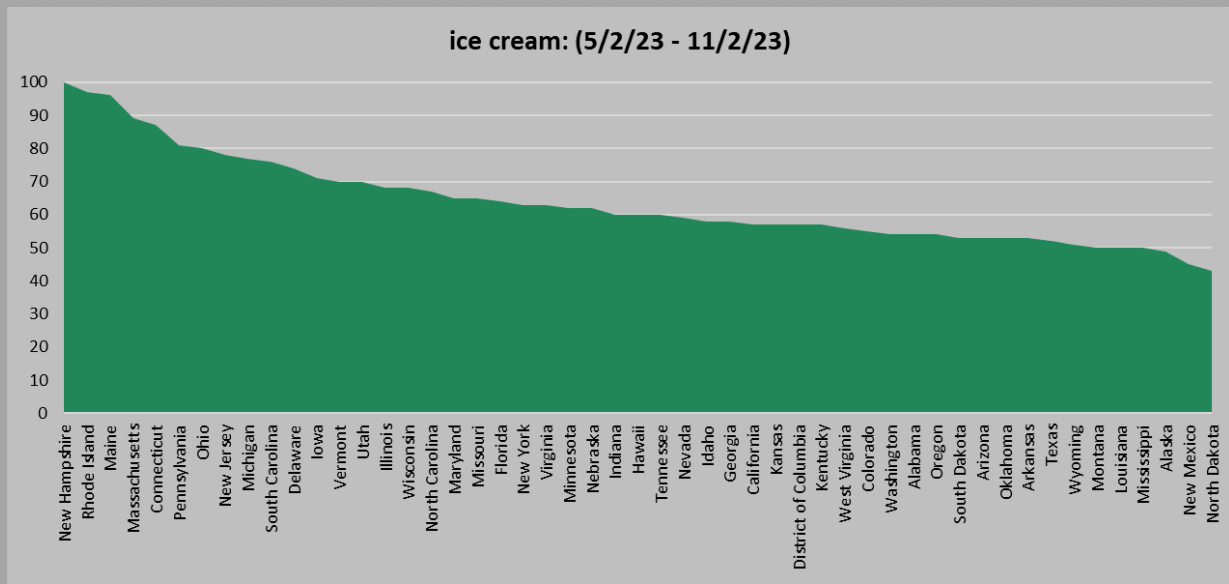
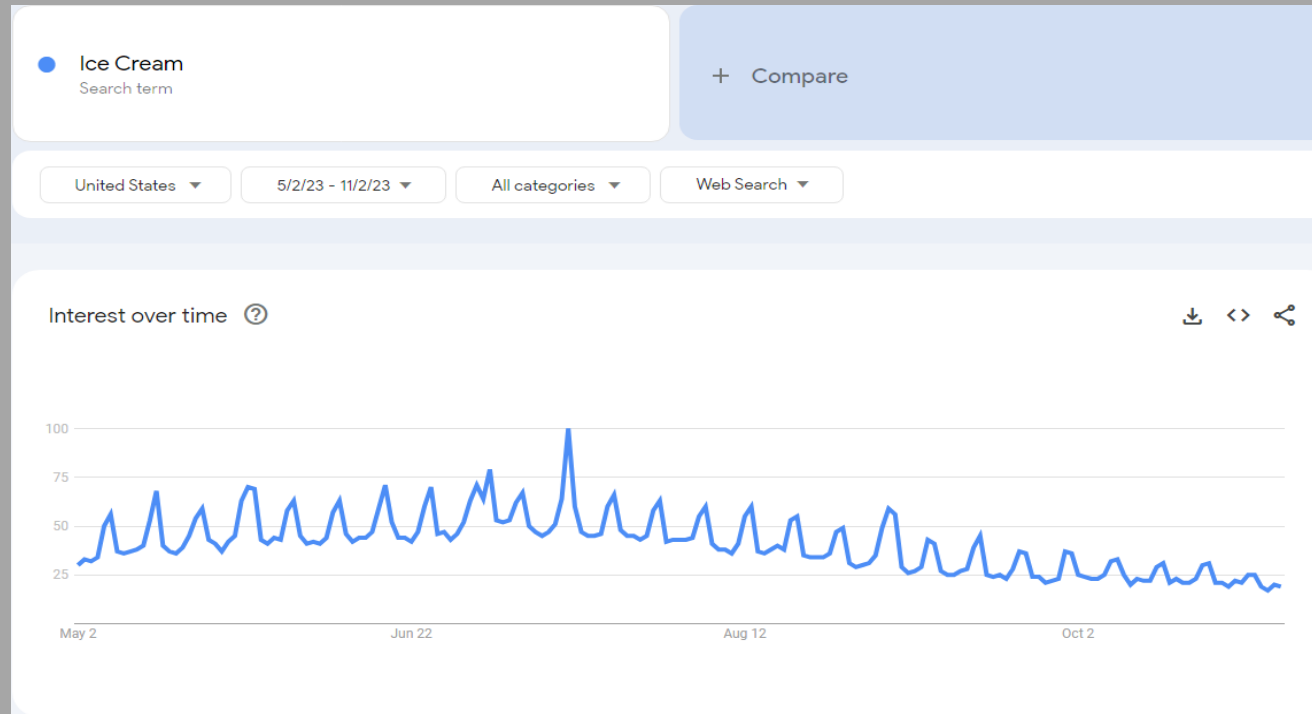
Ice Cream

Complete Timeline Jan 6, 2021-Nov 2, 2023



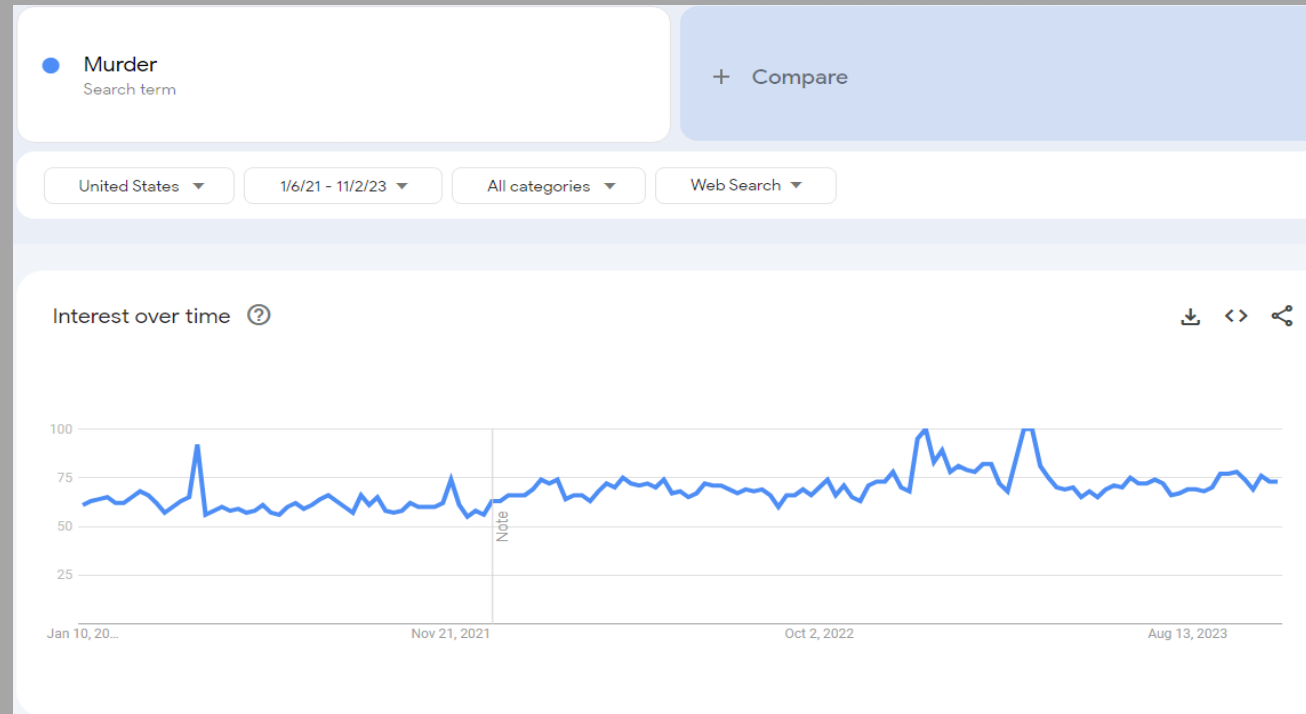
Ice Cream

Recent Timeline May 2, 2023-Nov 2, 2023

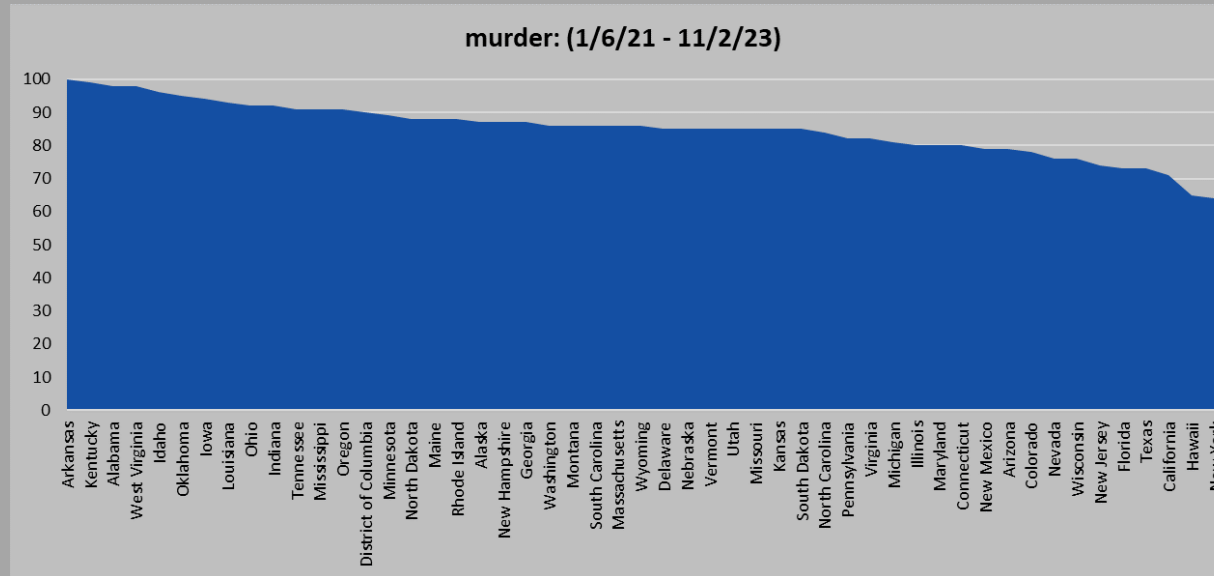


Complete Timeline

Jan 6, 2021-Nov 2, 2023

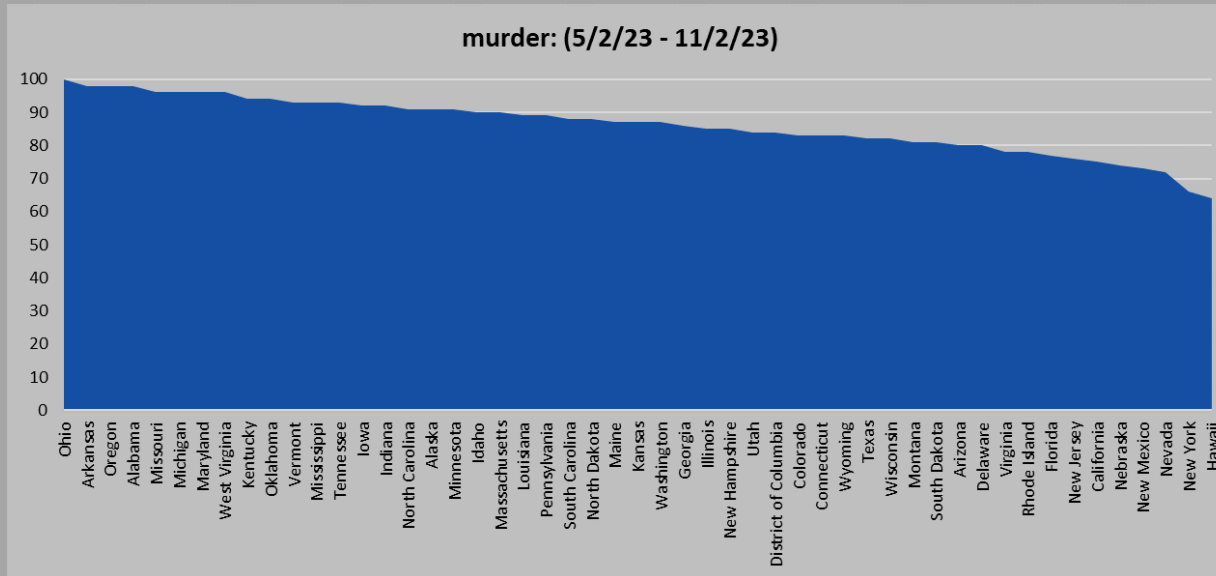
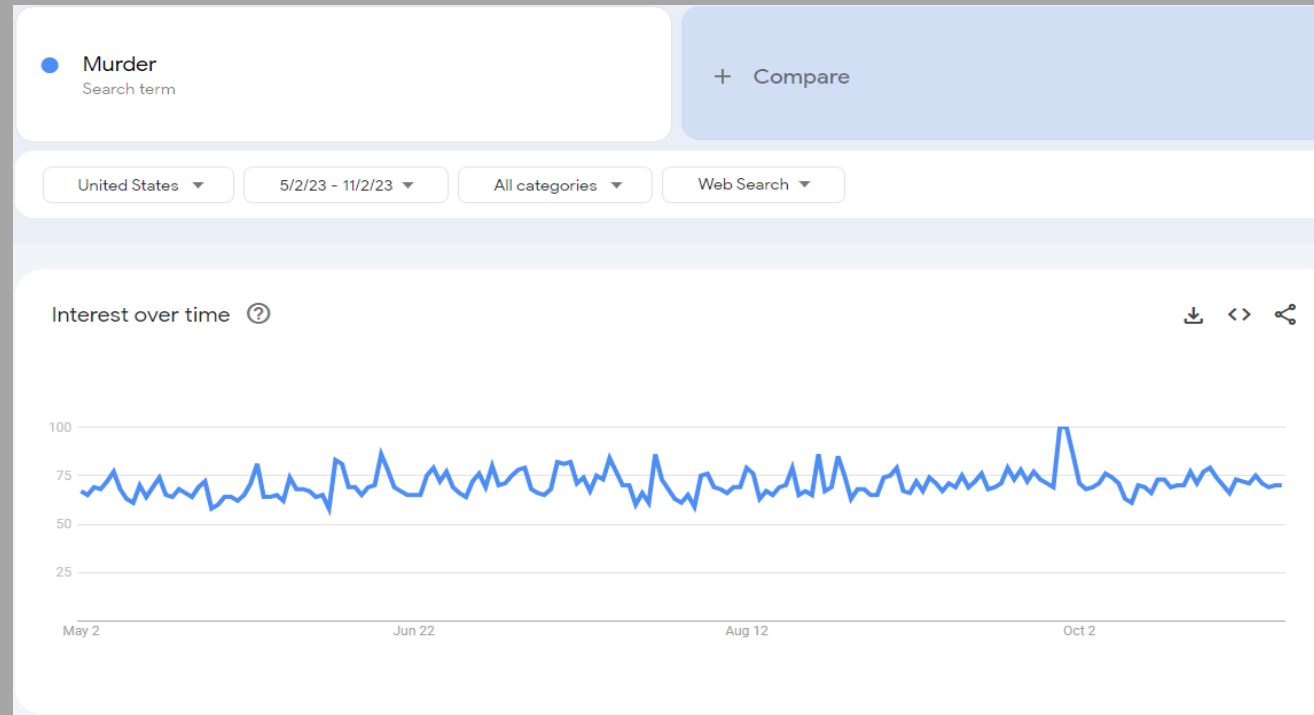


Murder



Murder

Recent Timeline May 2, 2023-Nov 2, 2023



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