NOSIBLE Topic Trend - Data Dictionary V2.1.0

As of: 2026-07-20

This document describes every input and output field of the NOSIBLE Topic Trend endpoint so that a technical reader can understand the API at a glance. Topic Trend (`POST https://www.nosible.ai/search/v2/topic-trend`) turns a keyword query into a mention time-series representing its prevalence across the web over time - perfect for tracking the rise and fall of narratives, products, or events.

Interactive API documentation: this endpoint is documented live in the NOSIBLE Swagger UI at `https://www.nosible.ai/search/v2/docs/` (OpenAPI spec: `https://www.nosible.ai/search/v2/openapi.json`). The version of this data dictionary tracks the API version published there: this document describes NOSIBLE V2.1.0.

Contents

Request Headers

Every request to this endpoint is an HTTP POST with a JSON body. Authentication is handled by a single header, documented below. You should also send `Content-Type: application/json`, and `Accept-Encoding: gzip` is recommended to cut transfer sizes.

Header	Details
`api-key`	**Definition:** Your NOSIBLE Search API key. To get an API key please visit app.nosible.com, where you can manage organizations, users, subscriptions, and API keys. **Type:** string **Length:** 42–50 characters **Required:** Yes - requests without a valid key fail with HTTP 422. **Example:** `"nos_sk_XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX"`

Input Fields

Topic Trend takes just two fields in the JSON body of the POST request: the query to track and an optional SQL filter.

Input Field	Details
`query`	**Definition:** The keyword or phrase we would like to see a mention time-series for. **Type:** string **Length:** 5–100 characters **Default:** `"Christmas Shopping"` **Example:** `"Queen Alexandra's Birdwing"`
`sql_filter`	**Definition:** An optional SQL filter to apply to the trend query. The same columns are available as in the search endpoints (`netloc`, `published`, `modified`, `visited`, `language`, `stot`, `snum`, `words`, `chars`). **Type:** string **Default:** `"SELECT loc, published FROM engine"` **Example:** `"SELECT loc, published FROM engine WHERE language='en-en'"`

Output Fields

A successful query returns HTTP 200 with three blocks: a summary message, an echo of how the query was interpreted, and the time-series itself.

Output Field	Details
`message`	**Definition:** A human-readable summary of how much of the index was evaluated and how long the query took. **Type:** string **Example:** `"Evaluated 48,120,334 out of 3,201,554,096 records in 2.113 seconds."`

`query`	**Definition:** An echo of how NOSIBLE interpreted your query: the parsed query, the filters applied, and the retrieval hyperparameters chosen.
	Type: object
	Fields:
	`query` (str) - the query as interpreted
	`brand_safety / language / continent / region / country` (str/null) - the applied filters
	`sector / industry_group / industry / sub_industry` (str/null) - the applied GICS filters
	`iab_tier_1 / iab_tier_2 / iab_tier_3 / iab_tier_4` (str/null) - the applied IAB filters
	`n_probes` (int) - the number of shards probed
	`shard_selector / shard_reranker` (str) - internal routing strategies
	`search_lang` (str) - the language the query was searched in
	`search_words` (list) - the exact normalized words matched in the index
	Example:
	`{`
	`  "query": "Queen Alexandra's Birdwing",`
	`  "language": null,`
	`  "n_probes": 30,`
	`  "search_lang": "en",`
	`  "search_words": ["queen", "alexandra", "s", "birdwing"],`
	`  ...`
	`}`

`response`	**Definition:** The mention time-series: a mapping from month-end date (YYYY-MM-DD) to a normalized prevalence score. Scores are normalized document-match scores averaged per month, from 2000-01-01 to today.

Output Field	Details

	Type: object
	Example:
	{
	"2025-04-30": 0.0,
	"2025-05-31": 0.002,
	"2025-06-30": 0.014,
	"2025-07-31": 0.009,
	...
	}

Example Request and Response

The example below runs a trend query end to end. The response is shown truncated. All field values are illustrative.

Example Request:

```
import requests

response = requests.post(
    url="https://www.nosible.ai/search/v2/topic-trend",
    json={
        "query": "Queen Alexandra's Birdwing",
        "sql_filter": "SELECT loc, published FROM engine"
    },
    headers={
        "Accept-Encoding": "gzip",
        "Content-Type": "application/json",
        "api-key": "YOUR_NOSIBLE_API_KEY"
    },
    timeout=60
)

print(response.json())
```

Example Response:

```
{
    "message": "Evaluated 48,120,334 out of 3,201,554,096 records
                in 2.113 seconds.",
    "query": {
        "query": "Queen Alexandra's Birdwing",
        "brand_safety": null,
        "language": null,
        "continent": null,
        "region": null,
```

```
        "country": null,
        "sector": null,
        "industry_group": null,
        "industry": null,
        "sub_industry": null,
        "iab_tier_1": null,
        "iab_tier_2": null,
        "iab_tier_3": null,
        "iab_tier_4": null,
        "n_probes": 30,
        "shard_selector": "...",
        "shard_reranker": "...",
        "search_lang": "en",
        "search_words": ["queen", "alexandra", "s", "birdwing"]
    },
    "response": {
        "2025-04-30": 0.0,
        "2025-05-31": 0.002,
        "2025-06-30": 0.014,
        "2025-07-31": 0.009,
        ...
    }
}
```