

Sentiment Analysis API Documentation

Meta Description

Easily analyze text for sentiment using the Sentiment Analysis API. Determine whether input text is positive, negative, or neutral, with confidence scores for seamless AI-powered integrations.

Overview

The Sentiment Analysis API provides natural language processing (NLP) capabilities to detect sentiment in text. Developers can analyze customer reviews, social media posts, or chat messages to gain insight into user emotions.

Key Features:

- Classify sentiment: *positive, negative, or neutral*
- Confidence scores for accuracy validation
- Simple REST API integration
- Supports multiple text inputs

Authentication

All requests require an API key, which is provided at registration.

Pass your API key in the Authorization header:

```
text
Authorization: Bearer YOUR_API_KEY
```

Base URL

```
text
https://api.sentimently.com/v1/
```

Endpoints

1. Analyze Sentiment

Endpoint: POST /analyze

Request Body (JSON):

```
json
{
  "text": "I love using this product!"
}
```

Example Response:

```
json
{
  "sentiment": "positive",
  "confidence": 0.94
}
```

2. Batch Analysis

Endpoint: POST /analyze/batch

Request Body (JSON):

```
json
{
  "texts": [
    "The service was excellent!",
    "I'm disappointed with the delay."
  ]
}
```

Example Response:

```
json
{
  "results": [
    { "text": "The service was excellent!", "sentiment": "positive",
      "confidence": 0.91 },
    { "text": "I'm disappointed with the delay.", "sentiment": "negative",
      "confidence": 0.87 }
  ]
}
```

Status Codes

Code	Message	Meaning
200	OK	Success
400	Bad Request	Missing or malformed parameters
401	Unauthorized	Invalid or missing API key
429	Too Many Requests	Rate limit exceeded
500	Internal Server Error	Server error

Error Response Format

```
json
{
  "error": {
    "code": 401,
    "message": "Unauthorized: Invalid API key."
  }
}
```

Rate Limits

- Maximum: **500 requests per minute**
- Exceeding this limit returns HTTP 429

Quickstart Example (cURL)

```
bash
curl -X POST "https://api.sentimently.com/v1/analyze" \
  -H "Authorization: Bearer YOUR_API_KEY" \
  -H "Content-Type: application/json" \
  -d '{"text": "I love using this product!"}'
```

Support & Contact

- API support: support@sentimently.com
- Documentation feedback: docs@sentimently.com