Topics & Entities

Filter the news and detect unseen patterns by using IPTC Media Topics and named entities.

opoint

Contents

Opoint Topics & Entities

Product description

We have teamed up with a UK-based tech company that combines state-of-the-art natural language processing with a comprehensive knowledgebase of real-life facts to help extract topics and named entities from news articles in real-time.

The topics and entities are delivered as metatags along with the corresponding articles in your Opoint news feed. The data can be added to both Opoint Firehose© and Opoint StoredSearch© feeds.

About the tags

Topics

The International Press Telecommunications Council (IPTC) was established in 1965, and its primary focus is to develop and promote industry standards for the exchange of news data.

We have chosen the IPTC Media Topics as our default taxonomy. It is a constantly updated taxonomy of over 1,000 terms developed specifically for the categorisation of media content, and it is updated at least once a year.

Topic tags include:

— **Label** – the name of the IPTC Media Topic

— **Media Topic ID** – the unique IPTC Media Code

— **Score** – the overall confidence that article revolves around the topic

Entities

We analyse the entire article to identify all persons, locations, and organisations. The process includes advanced disambiguation to avoid delivering duplicate entities.

Entity tags include:

— **Entity type** – person, location, or organization

— **Entity** – name of person, location, or organization

— **Wikidata ID** – a link to additional information about the entity (when possible)

— **FIGIs** – Financial Instrument Global Identifiers to uniquely identify financial instruments

— **LEIs** – Legal Entity Identifiers for identifying legal entities globally

— **Crunchbase ID** – a link to Crunchbase profile information on businesses

— **PermIDs** – Thomson Reuters Permanent Identifiers, providing unique identification across entities, instruments, and organisations

Json example Topics

```
"topics_and_entities": {
    "sentiment": "Positive",
    "sentiment_score": 0.7744,
    "topics": [
        {
            "label": "economy, business and finance>products and services>transport",
            "mediatopic_id": "20000337",
            "score": 0.5363
        },
        {
            "label": "economy, business and finance>products and services>manufacturing and engineering>aerospace",
            "mediatopic_id": "20000295",
            "score": 0.5002
        },
        {
            "label": "economy, business and finance>products and services>manufacturing and engineering",
            "mediatopic_id": "20000294",
            "score": 0.4156
        },
        {
            "label": "science and technology>technology and engineering>aerospace engineering",
            "mediatopic_id": "20000757",
            "score": 0.3993
        },
        {
            "label": "economy, business and finance>products and services>transport>road transport",
            "mediatopic_id": "20000341",
            "score": 0.3797
        },
        {
            "label": "science and technology>technology and engineering>aerospace engineering>rocketry",
            "mediatopic_id": "20000758",
            "score": 0.3481
        },
        {
            "label": "science and technology>technology and engineering",
            "mediatopic_id": "20000756",
            "score": 0.3217
        }
    ],
```

Json example Entities

```
"entities": {
    "organization": [
        {
            "entity": "Spirit AeroSystems",
            "wikidata_id": "Q3493556",
            "crunchbase": "spirit-aerosystems",
            "permid": "5000008115",
            "lei": "ZD2NBKV6GCC3UMGBM518",
            "figi": "BBG001S69KP2"
        },
        {
            "entity": "Reuters",
            "wikidata_id": "Q130879",
            "crunchbase": "reuters",
            "permid": "5000058928",
            "sentiment": "Positive"
        },
        {
            "entity": "Airbus",
            "wikidata_id": "Q2311",
            "crunchbase": "airbus-group",
            "permid": "4295884955",
            "lei": "MINO79WLOO247M1IL051",
            "figi": "BBG001S8TFZ6"
        },
        {
            "entity": "Boeing",
            "wikidata_id": "Q66",
            "crunchbase": "the-boeing-company",
            "permid": "4295903076",
            "lei": "RVHJWBXLJ1RFUBSY1F30",
            "figi": "BBG001S5P0V3"
        }
    ],
    "person": [
        {
            "entity": "Tim Hepher"
        },
        {
            "entity": "Tomasz Janowski"
        }
    ]
    }
},
```

Languages

Topic and entity tagging is currently available in the following languages:

— Arabic

— Chinese

— Danish

— Dutch

— English

— French

— Finnish

— German

— Italian

— Japanese

— Korean

— Norwegian

— Polish

— Portuguese

— Russian

— Spanish

— Swedish

— Greek

— Ukrainian

Questions?

For questions about this product, please contact us at **support@opoint.com**.