

WikiAnalyze

Welcome to WikiAnalyze

WikiAnalyze is a project to search, find, and organize wikipedia's information into structured, formatted data.

WikiAnalyze


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Wikipedia Article Analysis: Flipboard

Wikipedia Summary: Flipboard

Flipboard is a news aggregator and social network aggregation company based in **Palo Alto GPE** , **California GPE** , with offices in **New York GPE** , **Vancouver GPE** and **Beijing GPE** . Its software, also known as Flipboard, was **first ORDINAL** released in **July 2010 DATE** . It aggregates content from social media, news feeds, photo sharing sites and other websites, presents it in magazine format, and allows users to "flip" through the articles, images and videos being shared. Readers can also save stories into Flipboard magazines. As of **March 2016 DATE** the company claims there have been **28 million CARDINAL** magazines created by users on Flipboard. The service can be accessed via web browser, or by a Flipboard application for **Microsoft ORG** **Windows PRODUCT** and **macOS PRODUCT** , and via mobile apps for iOS, **Android GPE** and **Windows Phone PERSON** (discontinued **August 30, 2017 DATE**). The client software is available at no charge and is localized in **21 CARDINAL** languages. Its current headquarters is located at **735 CARDINAL** **Emerson PERSON** St. **Palo Alto GPE** **CA 94301 ORG** , recently moving from a nearby building.

Flipboard logo



TYPE	DESCRIPTION
title	Flipboard
name	Flipboard Inc.
logo	Flipboard_isotype.png
logo size	130px
developer	[[Mike McCue]] and Evan Doll
released	[[start date and age 2010/7/21]]
latest release version	4.1.26
latest release date	August 15, 2018
latest preview version	4.1.27-play-beta
latest preview date	August 15, 2018
status	Active
operating system	[[iOS]] [[Android (operating system) Android]] [[Windows]], [[Windows Phone]]
genre	[[Social network aggregation Social-network aggregation]]
license	Free, registration required
website	[[URL https://flipboard.com]]

(This screenshot is a demo of WikiAnalyzer's user interface, which lets you explore the data gleaned and organized from wikipedia articles.)

The world is full of unstructured data. In 1998, Merrill Lynch cited a rule of thumb that somewhere around 80-90% of all potentially usable business information may originate in unstructured form. The majority of information on the web is unstructured, and exponentially increasing.

However, structuring that data can be a challenge. Techniques such as data mining, natural language processing (NLP), and text analytics provide different methods to find patterns in, or otherwise interpret, this information

Our mission is to transform Wikipedia's unstructured information into a searchable, machine-learnable, API callable, and easily discernable database of information, to unleash a wealth of understanding and knowledge to the world.

Features

Autonomous Data Scrapes

Use WikiAnalyzer's API to autonomously scrape portions of Wikipedia's unstructured articles for valuable information.

Improved Wikipedia API

Our improved Wikipedia API can glean the data on a Wikipedia infobox. We are currently working on how to call individual infobox values, but you can view the ones we support on the web interface.

Entity Recognition

WikiAnalyze harnesses the industrial strength of the spaCy natural language processing software to discern the entities in the wikipedia articles. We are exploring how the relationships of the entities can reveal an overall picture of the article.

Planned Features

Caching with Django's ORM

We are planning to use Django's Object-Relational Mapper to cache searches and results. This has not been implemented yet, due to the fact Wikipedia has over [10,000 individualized infoboxes \(https://en.wikipedia.org/wiki/Wikipedia:List_of_infoboxes\)](https://en.wikipedia.org/wiki/Wikipedia:List_of_infoboxes).

However, we have already started working on the more general infoboxes, as seen in "/app/models.py".

Made Possible By the Following Technologies



About Django

"Django is a high-level Python Web framework that encourages rapid development and clean, pragmatic design. Built by experienced developers, it takes care of much of the hassle of Web development, so you can focus on writing your app without needing to reinvent the wheel. It's free and open source."

– Django website

About SpaCy

Industrial-Strength Natural Language Processing. "spaCy is an open-source software library for advanced Natural Language Processing, written in the programming languages Python and Cython. The library is published under the MIT license and currently offers statistical neural network models for English, German, Spanish, Portuguese, French, Italian, Dutch and multi-language NER, as well as tokenization for various other languages." –Wikipedia

Other projects

- Wikipedia API
- wptools

Documentation

Installing

- Please make sure you have Python 3.5 or greater installed.

Install the dependencies:

```
python -m pip install requirements.txt -r
```

Running

To start the project:

1. Start the django dev server:

```
python manage.py runserver
```

2. Navigate your browser to localhost:8000.
3. Search for an article on Wikipedia, using the search sidebar
4. A list of results should appear. Click on desired link.

If you searched for 'flipboard', you will get a page with a result called "Flipboard". Clicking on this will bring you to the screenshot above.

Using as a library

We are currently working to release a python package on github, please stay-tuned until further notice.