Arbiter Setup Instructions

After following these instructions, Arbiter should be ready to use.

# Python and PIP

Python 3.7 x64 was used to develop Arbiter.

Ensuring that Python 3 and PIP are installed, use the following commands in Terminal or CMD to install the required packages and data:

pip install -U scikit-learn

pip install -U gensim

pip install -U google-api-python-client

pip install python-twitter

pip install -U spacy

python -m spacy download en\_core\_web\_sm

pip install -U nltk

python

import nltk

nltk.download()

# Extract the attached datasets.

Assign the global variable DATASETS\_PATH in Arbiter.py to the path of the root folder containing the extracted datasets.

# Obtain the required API keys

## Google Search API

Create a custom Google Search engine at <https://cse.google.co.uk/about>, using a dummy value for the field “Sites to search” to get past the form.

Configure it to search the entire web, as explained under the heading “To set an existing search engine to search the entire web” at: <https://support.google.com/customsearch/answer/4513886?visit_id=637177890572977240-812858338&rd=1>

Obtain an API key at:

<https://developers.google.com/custom-search/v1/overview?authuser=2>

## Twitter API

Apply for a Developer Account in order to use the Twitter API. This can be done at: <https://developer.twitter.com/en/apply-for-access>

# Assign the required API key values in Keys.py

After applying to use the API keys, assign them in the Keys.py Python file.