

Tutorial: ArgumenText: Searching for Arguments in Heterogeneous Sources

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08/07/2019

1 Short Introduction

To Index and retrieve documents and differentiate the arguments between pros and cons.

2 Prerequisites

Following basic prerequisites needs to be considered:

- Ensure that Python and Jupyter are installed on your local machine.
- Ensure Elastic Search server is already set up on your local machine.
- Ensure Java is installed and already set up on your local machine
- Set Java_home environment variable

2.1 Libraries

Following libraries are needed to be installed:

1. pip install textblob or python -m pip install textblob (Python 3.5.3)
2. pip install whoosh or python -m pip install whoosh (Python 3.5.3).
3. pip install elasticsearch or python -m pip install elasticsearch (Python 3.5.3)

2.2 Project Source

Clone or download the repository from the following URL:

https://github.com/naturecreator/computational_argumentation

2.3 Setup Elasticsearch Server [1]

Steps to set up the server:

1. Download Elasticsearch based on your operating system from this link:
<https://www.elastic.co/downloads/elasticsearch>
2. Install it and test it on `http://localhost:9200` in your browser.
3. If received Json response, then congrats!

3 Resources

1. For Elasticsearch docs: <https://www.elastic.co/guide/en/elasticsearch/reference/6.4/index.html>
2. For textblob docs: <https://textblob.readthedocs.io/en/dev/>
3. For Whoosh docs: <https://whoosh.readthedocs.io/en/latest/intro.html>

4 Next Steps

Lets get started and deep dive into programming

References

[1] *For detailed read pre-requisite pdf provided on the main page*

[2] <https://www.aclweb.org/anthology/N18-5005>