Downloads

1. Glove Dataset

GloVe is an unsupervised learning algorithm for obtaining vector representations for words. Training is performed on aggregated global word-word co-occurrence statistics from a corpus, and the resulting representations showcase interesting linear substructures of the word vector space.

Pre-trained word vectors.

Download Link: http://nlp.stanford.edu/data/glove.6B.zip

This data is made available under the Public Domain Dedication and License . (For convenience extract this zip file under data directory)

2. Solr 7.1.0

Solr is the popular, blazing fast open source enterprise search platform from the Apache Lucene project. Its major features include powerful full-text search, hit highlighting, faceted search, dynamic clustering, database integration, rich document (e.g., Word, PDF) handling, and geospatial search. Solr is highly scalable, providing distributed search and index replication, and it powers the search and navigation features of many of the world's largest internet sites.

Download Link: http://archive.apache.org/dist/lucene/solr/7.1.0/

3. Pysolr

Pysolr is a lightweight Python wrapper for Apache Solr. It provides an interface that queries the server and returns results based on the query.

Install: \$ pip install pysolr

4. Pyspotlight

Pyspotlight is a thin python wrapper around DBpedia Spotlight.

Install: \$ pip install pyspotlight

5. Gephi

Gephi is an open-source network analysis and visualization software package written in Java on the NetBeans platform.

Download Link: https://gephi.org/users/download/

6. Core NLP Package

Stanford CoreNLP provides a set of human language technology tools. It can give the base forms of words, their parts of speech, whether they are names of companies, people, etc., normalize dates, times, and numeric quantities, mark up the structure of sentences in terms of phrases and syntactic dependencies, indicate which noun phrases refer to the same entities, indicate sentiment, extract particular or open-class relations between entity mentions, get the quotes people said, etc.

Download Link:

http://nlp.stanford.edu/software/stanford-corenlp-full-2018-02-27.zip

Installation Manual

Solr Indexing

Steps:

- 1. Follow this guide to install solr:
 - https://lucene.apache.org/solr/guide/7_1/installing-solr.html
- 2. Open the folder in which you've installed solr.
- 3. Start solr
 - >bin/solr start

The line below indicates you've successfully installed solr Waiting up to 180 seconds to see Solr running on port 8983 [] Started Solr server on port 8983 (pid=24451). Happy searching!

4. Create a core named glove.

> bin/solr create core -c glove

This will come in form of a success message

WARNING: Using _default configset. Data driven schema functionality is enabled by default, which is

NOT RECOMMENDED for production use.

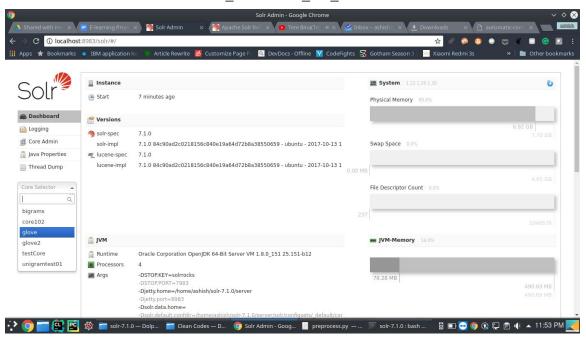
```
To turn it off:

curl http://localhost:8983/solr/glove2/config -d '{"set-user-property":
{"update.autoCreateFields":"false"}}'
```

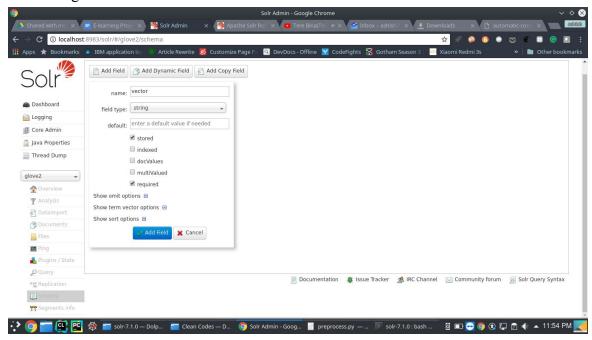
Created new core 'glove'

5. Open solr admin panel.

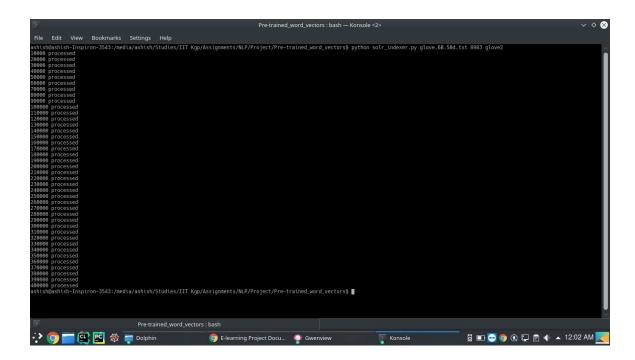
a. Go to this address localhost:PORT NUMBER OF SOLR/solr/



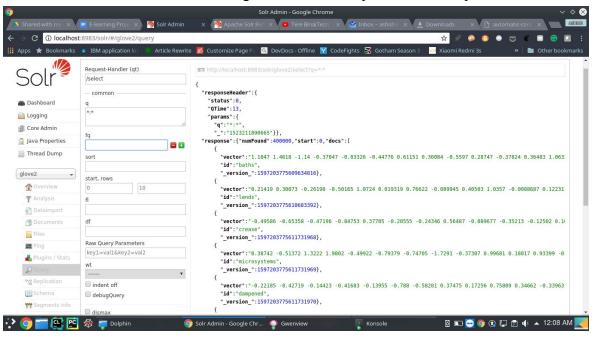
6. Add a string named "vector" field under the schema section.



- 7. Install pysolr
 - > pip install pysolr
- 8. Run solr_indexer.py with following format python solr_indexer.py path_to_glove_dataset PORT_NO CORE_NAME Eg.: python solr_indexer.py ../data/glove.6B.50d.txt 8983 glove2 On success:



To further check the indexed data set go solr admin and press enter on fq



9. Indexing Complete. Happy Searching!