

Filename or folder name	Description
DATASET/news_	News collection downloaded from rss feed
DATASET/sentence_label	Converted sentence labelled dataset for training
CODE/classifier_cluster	Classifier and clustering method for sentence extraction
CODE/documentPreprocessing	Text pre-processing phase linked to CLI
CODE/documentPreprocessing_v2	Document preprocessing in the backend linked to web interface
CODE/global_var	Global variables header file
CODE/initial	Command line interface
CODE/lexChain	Lexical chain library for sentence extraction and linked to CLI
CODE/lexChain_v2	Lexical chain library and linked to web interface
CODE/lstm_keras	Neural network approach for sentence extraction
Model_final.h5	Saved neural network model i.e. learned weights and training parameters
Model_final.json	Saved neural network model in json format
Model_plot_final	Graphical representation of neural network model
News_download	News data collection using rss feed
Sentence_compression	Sentence simplification module
Sentence_label	To convert news data into sentence labelled data set for training
webinterface	User web interface

#### INSTALLATION INSTRUCTIONS:

#for installing tensorflow

\$conda create -n tensorflow pip python=3.6.1

\$conda install keras

#for deactivating the tensorflow

\$source deactivate tensorflow

#before running keras code we need to activate tensorflow as a backend

\$source activate tensorflow

#install all other packages or libraries

\$pip install <library or package name> or \$conda install <library or package name>