





DataSourceType
DATA_BASE
WEB_SOURCE

DataType
DOCUMENT_HEADER
DOCUMENT_TEXT

DataSource
data_source_name: str
data_source_type: DataSourceType
get_data(dataUid, dataType: DataType)
get_all_data(datType)

WebCrawler
available_sources: list of str
get_all_data(dataType, dataSourceType)
get_data(dataUid, dataType, dataSourceType)
-имя участника

Link
from: uid, str
to: uid, str
context: words around the link, str
count: count of documents, int
constructor(from, context)
Add(context)

DocumentHeader
uid: str
source_url: web url, str
full_title: titles of the documents, str or list of str
document_type: str
count: count of the documents, int
date: Date
text_location: str or list of str
constructor(uid, documentType, sourceUrl, fullTitle, textLocation=None)
Add(sourceUrl, fullTitle, textLocation=None)

LinkGraph
nodes: list of header
edges: list of tuple: (uid, uid, weight)
get_subgraph(headerFilters, linkFilters):
link_graph
next

Can be:
filename- name of local file with text of the document;
None - text not received yet;
database: just a word 'database' which indicates that text of the document can be received from database by uid
if a few database text location specified, after the word 'database' should be '|' and exactly uid, which allow to receive text of the document from database.

Итератор по графу.

GraphHeaderFilter
allowedCountTo
allowedCountFrom

HeaderFilter
allowedTypes: set of types strings
allowedDates: set of Date
constructor (types:list or set of types str, dates:list or set of Date)
constructor (types:list or set of types str, firstDate: Date, lastDate:Date)
check_header(h: header): bool
get_filtered_headers(headers: dict of uid : header): dict of uid: header

GraphEdgeFilter
allowedTypesFrom: set of types str
allowedTypesTo: set of types str
weightDiapozon: tupe (min weight, max weight)
check_edge(edge): bool
get_allowed_edges(edges)): list of tuple(header,header,int)
constructor(typesFrom, typesTo, weight)

LinkFinding
get_rough_links_for_multiple_documents(headers, webCrawler)
get_rough_links(header, webCrawle)

LinkAnalyzing
get_clean_links(links, headers):{linkStr: links}
get_links_graph(links): Link_graph

ApiModule
process_period(firstDate, lastDate, headersFilters=None, edgeFilters=None, nodeFilters=None)
start_process_with(uid, depth, headersFilters=None, edgeFilters=None, nodeFilters=None))