





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: id, str
to: id, str
context: words around the link, str
count: count of documents, int
constructor(from, context)
add(context)

DocumentHeader
id: str
source_url: web url, str
full_title: titles of the documents, str or list of str
document_type: str (суд/айди_в_суде)
count: count of the documents, int
date: Date
text_location: str or list of str
constructor(id, documentType, sourceUri, fullTitle, textLocation=None)
add(sourceUri, fullTitle, textLocation=None)

LinkGraph
nodes: list of header
edges: list of tuple: (citing_id, cited_id, 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 id  
if a few database text location specified, after the word 'database' should be '!' and exactly id, which allow to receive text of the document from database.

Итератор по графу.

GraphHeaderFilter
allowedCountTo
allowedCountFrom

HeaderFilter
selected_types: set of types strings
selected_dates: 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 id : header): dict of id: header

GraphEdgeFilter
selected_types_from: set of types str
selected_types_to: set of types str
weight_diapason: tuple (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(id, depth, headersFilters=None, edgeFilters=None, nodeFilters=None))