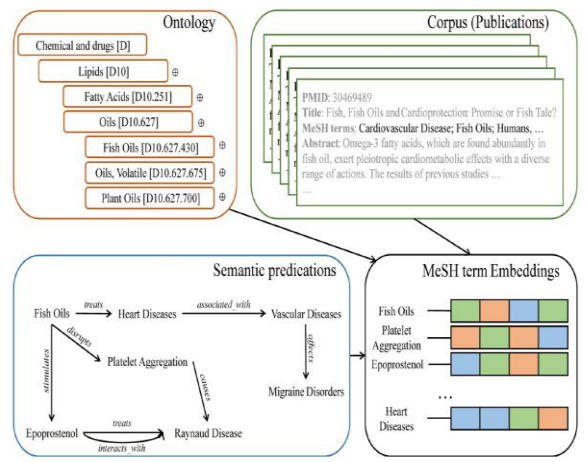


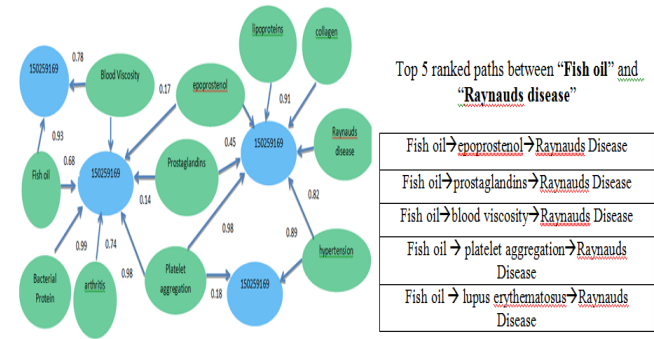
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Text and Web Data Mining, Information Retrieval, Biomedical and Healthcare Informatics



Ontology and Semantics Driven Representation Learning



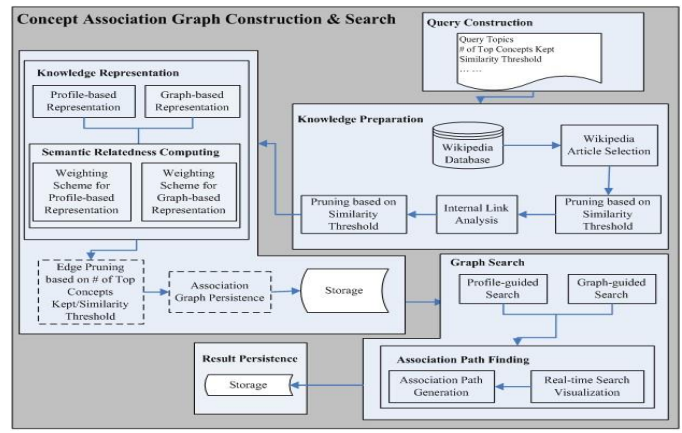
Biomedical Text Mining



Text and Web Mining

- Active projects in association discovery from large document collections and the Web
- Social network analysis and community detection
- Wikipedia-supported data mining and applications

Wikipedia-supported Knowledge Representation and Mining Framework



Biomedical and Healthcare Informatics

- Active projects in mining biomedical literature for knowledge discovery
- Improving knowledge discovery through integrating domain knowledge and human intelligence
- Representation learning through incorporating corpus, ontology, and semantics

Association Discovery and pattern analysis

