Improving Keyword Search over Ecological Data Sets

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Abstract: Enhance the keyword search experience over Ecological literature by providing guidance information as a relational graph (a probabilistic ontology) bootstrapped from Ecological literature.

Entity Extraction from Ecological Sources: Extract named entities from Ecological publications, text books, and ontologies.

• Building Relational Graph: Build probabilistic relational graph using co-occurrence within entities in Ecological literature.

• Exploratory Keyword Search: Guide the keyword search by providing related keywords from the relational graph that help expand or narrow down the focus of the search.



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