



Project 3

1. Graph Similarity Search over A Graph Database

Given a query graph q and a set of small graphs D, finding top-k similar graphs from D to q or similar graphs above a threshold.

Graph edit distance can be used as the similarity metric.

2. Graph Similarity Search over A Single Large Graph

Given a query graph q and a large graph G, finding top-k similar subgraphs of G to q or similar subgraphs above a threshold.

Graph edit distance can be used as the similarity metric.

3. SimRank enhanced by semantics

Given an attributed graph G(V,E), where the labels of vertices and edges are non-negligible, such as DBpedia, bibliography network.

In the online query, input two pairs of nodes (v_1, v_2) and (v_3,v_4), determine which pair is more similar.

评价指标

- Presentation (13 minutes)
  - 10 minutes
  - 3 minutes Q/A

  - 讲清楚思路、框架
  - 所采用的技术
  - 创新点

提示

- 最新的相关工作
- 设计自己的改进方法
- PPT提交时间：2021.12.29晚23:59
- 展示时间：2021.12.30