Integrating Local and Global Information for OpenIE

ReMine: A relation tuple mining framework based on phrasal segmentation

Previous systems only leverage local linguistic clue

- POS taggings, dependency parsing, ...

Data redundancy leads more convincing facts

- Incorporate global semantic measure into phrasal segmentation
- Combine strength of statistical features & representation learning

Submitted to WWW18
On-going research: Open Event Extraction

With Chao&Frank, targeting SIGIR/KDD

Current status: plain sentence representation does not work, trying representation from reading comprehension
On-going research project

Semantic rich edge representation in HIN

With Yu, targeting KDD

Aim at real problem in Linkedin Economic Graph

Learn typed edge representation for HINs

A clean and easy to use framework to support downstream applications
Misc.

Study CS510 information retrieval and CS544 optimization

Research Assistant in Project: IAI-SEE

Help paper review

Summer Internship @Google:

  Propose a new image feature for team Image Search

  Study large scale distributed graph embedding systems