Fall 2018 Summary

Wanzheng Zhu
FUSE: Multi-Faceted Set Expansion by Coherently Clustering Skip-grams

• Submitting to NAACL
  1. Working on multi-faceted set expansion.
     a) Given the seed ‘apple’, it does set expansion on both IT Companies and Fruits.
     b) It can be applied to multi-seed too.
  2. An optimization framework to find coherent facet of multiple seeds
  3. An iterative step to reduce skip-gram noise.

• Wanzheng Zhu, Hongyu Gong, Jiaming Shen, Chao Zhang, Jingbo Shang and Jiawei Han, FUSE: Multi-Faceted Set Expansion by Coherently Clustering Skip-grams. Submission (NAACL)
Potential Next Projects

• Multi-facet set expansion has some future work to do.
  o Learn meta-pattern skip-grams

• Set Expansion on other settings too, such as tuple set expansion.

• Subword embedding