Fall 2018 Summary

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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.
- Set Expansion on other settings too, such as tuple set expansion.
- Subword embedding