End of the Semester Summary
2014 Fall

Jialu Liu

December 3, 2014
1. Phrase Mining, collaborated with Jingbo, Xiang, Chi
   - Ranks meaningful phrases in a large corpus
   - Effective, Efficient, Data-driven
   - Submitted to SIGMOD
What I am doing

Constructing Concept Hierarchy,

- Uses Bayesian network to build a DAG among topics and concepts with Structure EM
- Concepts are extracted by phrase mining together with NLP chunking.
- Efficient: approximate MCMC-based inference in Expectation step of EM framework
- Embedded in a Community Question Answering application
• Paper reviews
• Maintain group servers
• Arrange spare facilities
• WSDM paper accepted
Happy Holiday Season!