Summary – 2014 Fall

• Outlier Detection
  – Query-based Subnetwork Outlier Detection
    • ICDM short paper
  – Query-based Outlier Detection in Heterogeneous Networks
    • Joint work with Jonathan
    • Submitted to EDBT
    • Formalizing query for outlier detection

– Multi-view Outlier Detection
  • Ongoing project
  • Automatically determine potentially meaningful but diverse meta-path to judge outliers
Summary – 2014 Fall

• Crowdsourcing
  – Active Learning with In-Batch Annotation Bias in Crowdsourcing
    • Summer project with LinkedIn
    • WSDM paper + 2 patents filed
    • When data item organized in small batches, worker judgments can be biased
    • Employ active learning to assemble batches to prevent performance from dropping
  – Batch Annotation Debiasing
    • Course project in CS598AP
    • Instead of using active learning, try to de-bias when aggregating data