

# Joint Mining and Analysis of Text and Non-Text Data

- Non-text data help text mining
  - Non-text data provide context for mining text data
  - **Contextual Text Mining:** Mining text in the context defined by non-text data (see [Mei 2009] for a large body of work)
- Text data help non-text data mining
  - Text data help interpret patterns discovered from non-text data
  - **Pattern Annotation:** Using text data to interpret patterns found in non-text data (see [Mei et al. 2006] for detail)