CS410 - Technology Review Proposal

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Title: Geo-locational Information Retrieval from Text Searching

Geo-locational Information is very important for understanding the spatial variation of diversity phenomenon in both the human and natural systems. Geographical information is usually measured through GIS-based ground measurement and remote sensing, but current texts in the internet also include a lot geo-related information. We propose to review current application, methods, and researches that tried to retrieve geographical information from search of text, which may specifically include:

- Toolkits for integrating geospatial data with text retrieval systems.
- Toolkits and methods for extracting or inferring geospatial data from texts and other rich data sources.
- Toolkits and methods for inferring purpose or type of a given construction project if none are available. (If time allows)
- Challenges in retrieving spatial information from texts.