

## **NLP Application Area Investigations**

**Due Date: December 4**

Choose an Application Area  
(I will ask you for first and second choices.)

### NLP Application Areas

- Machine Translation
- Information Retrieval/Search Engines
- Information Extraction/Text Mining
- Human Computer Interfaces / Dialogues
- Summarization
- Language Generation
- Question/Answering Systems
- Metadata Extraction
- Or you may suggest another area of interest to you

### Student Investigation Groups

1. Explore/research the topic area: choose reference materials and examples and divide up the work among the group
2. Ideas for the kinds of things to do – your choice will depend on the area:
  - Read papers, search the web, etc. and describe examples of the application area
    - Describe how NLP contributes to this application area, if possible
    - Describe issues or difficulties
    - Give examples of companies or organizations, show web sites, etc.
  - Read research papers and describe advances in the field, such as improvements to algorithms or techniques or successes in the application area
3. Prepare 5-10 slides on the area (also depends on size and number of groups)
  - Or choose an equivalent mode of presentation materials, with permission
  - last slide should be a list of references that you read or viewed
  - Submit the slides or materials

Note that this is only required for graduate students.