CS410 Project Progress Report
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Task completed (checked) and Pending (not checked)
- ☑ ~~Analyzed a number of data sets for content and applicability~~
- ☑ ~~Chose the Yelp Open Data set with over 8M reviews~~
- ☑ ~~Adapted and preprocessed data set for Sentiment and Topic Analysis~~
- ☐ Topic Discovery Model
    - ○ Implemented Model Training for LDA
    - ○ Implemented hyperparameter testing code
    - ○ Topic optimization
    - ○ Train and Test with final data set
    - ○ Finalize model and reporting
- ☐ Sentiment Analysis Model
    - ○ Implemented Model Training Infrastructure
    - ○ Preliminary model performance analysis
    - ○ Train and test with final data set
    - ○ Finalize model and reporting
- ☐ Data analysis
    - ○ Consolidate prediction data from original data set, sentiment and topic analysis
    - ○ Develop model to extract analysis
    - ○ Final reports
- ☐ Final deliverable
    - ○ Write up
    - ○ Source code to Git
    - ○ Demo

Notes:

The original project proposal initially was focused on chatbot text data and the analysis of chatbot text data. After significant review on prebuilt chatbot text data, it was decided that the yelp open data set was best suited for sentiment analysis and topic analysis which was the key tasks in the project proposal. Therefore the project is now changed from an in-depth analysis for report generation of chatbot data to review data of businesses.

Challenges going forward
- ● No know challenges except time