

CSCE 771: Computer Processing of Natural Language

Lecture 28: Project Presentations

PROF. BIPLAV SRIVASTAVA, AI INSTITUTE

5TH DECEMBER, 2024

Carolinian Creed: “I will practice personal and academic integrity.”

Organization of Lecture 8

- Opening Segment
 - Announcements
- Main Lecture
- Concluding Segment
 - About Next Lecture – Optional

Recap of Lecture 27

- Graduate student presentations

Main Lecture

<Student Name>

CSCE 771 Fall 2024: Milestone#2

Comparative analysis of 12 states: questions, answers, answers to questions

1. Data

1. State Selected: <>
2. Location of US states data collected by class (11 + 1 - SC):
<https://github.com/biplav-s/course-nl-f24/tree/main/sample-code/data-us-election-faqs>

1. Methods used

2. Experience from project

Analysis of questions (Q)

- *Leaders and laggards
- * Position of your state

Analysis of answers (A)

- *Leaders and laggards
- * Position of your state

Analysis of an answer (a_i) for a question (q_i)

- *Leaders and laggards
- * Position of your state

(Volunteer) Research Paper Update

- Presentation by 4 students / analysis of all 50 states

Discussion: Course Project

Theme: Analyze quality of official information available for elections in 2024 [in a state]

- Take information available from
 - Official site: State Election Commissions
 - Respected non-profits: League of Women Voters
- Analyze information
 - State-level: Analyze quality of questions, answers, answers-to-questions
 - Comparatively: above along all states (being done by students)
- Benchmark and report
 - Compare analysis with LLM
 - Prepare report

- Process and analyze using NLP
 - Extract entities
 - Assess quality – metrics
 - Content – *Englishness*
 - Content – *Domain* -- election
 - ... other NLP tasks
 - Analyze and communicate overall

Major dates for project check

- Sep 10: written – project outline
- Oct 8: in class
- Oct 31: in class // LLM
- Dec 5: in class // Comparative

Lectures 28: Concluding Comments

- Election as a domain for NLP is rich
- Good set of initiatives/ presentations

About Last Lecture – Lecture 29/ Final

Last Lecture (Exam Class)

- All evaluations in progress
- Last session optional – quick survey to check