Lit review overview

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CS224u: Natural Language Understanding
Rationale

The goal of this assignment (and the next one) is to enter into a productive dialogue with your teammates and with your mentor.

- Pose questions
- Identify obstacles and propose workarounds
- Find datasets and models
- Think carefully about your resources
Requirements

https://web.stanford.edu/class/cs224u/projects.html#litreview
Gradescope submission format

Lit review

Student Name
Search students by name or email...

Q1 Team member email addresses
0 Points

First member email:

cgpotts@stanford.edu

Second member email:
Enter your answer here

Third member email:
Enter your answer here

☑ Correct

Save Answer Last saved on May 08 at 8:06 AM

Q2 Planned topic
0 Points

In one sentence, briefly describe your planned topical area of your project. This need not be final

Causal abstraction techniques for explaining how models do in-context learning

Q3 Preferred Mentor
0 Points

☑ Kawin Ethayarajh (data, metrics, evaluation)
☐ Sidd Karamcheti (robot learning, grounding, scaling)
☐ Mina Lee (Human-AI Interaction, HCI, LLMs)
☐ Lisa Li (Diffusion models, prefix tuning, in-context learning)
☐ Siyan Li (Human-centered NLP, semantics, digital humanities)
☐ Tolúope Ogúnrèmi (Multilingual and low-resource NLP)
☐ Tianyi Zhang (LLMs, emergence, in-context learning)
☐ Any of the above

☑ Correct

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Q4 Lit review document
10 Points

Please upload your literature review PDF here:
Currently Uploaded Files

CS224u_lit_review.pdf ▼ Download ▲ Remove

☑ Please select file(s) Select file(s)

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Gradescope rubric

4: Lit review document

1 of 1 graded

Total Points
8.0 / 10.0 pts

1 +2.0
Problem/task

Q +2.0
The general problems/tasks are clearly articulated.

W +1.0
It is difficult to tell what problems or tasks this lit review is focussed on.

E +0.0
No problems or tasks are clearly articulated.

2 +3.0
Summaries and compare and contrast

+3.0 The summaries are fairly cursory but the comparisons are useful.
Lit search tips

1. Search with keywords in the [ACL Anthology](https://www.aclweb.org/anthology/), [Google Scholar](https://scholar.google.com/), or [Semantic Scholar](https:// semantico scholar.org/).

2. Download relevant and/or highly-cited results and check out their abstracts and related work sections, seeking out key questions and techniques, and other highly-cited papers. *Do not try to read entire papers at this point.*

3. Download papers that you see prominently in the related work sections.

4. Return to step 1 with some new keywords.

5. Break out of the 1–4 loop when you have a sense for what you are doing and what others have done in the area.

6. Select some core papers from your downloaded set to read deeply and cover in the lit review.
Plagiarism policy

• Make sure you know the course policy.
• There is no rule against using an AI assistant to help you with the lit review, but all output from the model needs to be quoted, per the policy.
• Assignments consisting of lots of quoted text will not receive good grades.
• Assignments with substantial overlap in prose will be scrutinized for plagiarism.
The next assignment: The protocol

This is a short, structured report designed to help you establish your core experimental framework. The required sections are as follows:

1. Hypotheses
2. Data
3. Metrics
4. Models
5. General reasoning
6. Summary of progress so far
7. References section

**Goal:** clarity of project goals, identification of obstacles and project risks.
Other tips and resources

https://github.com/cgpotts/cs224u/blob/main/projects.md