

Assignment: Prompt Optimization using DSPy (GEPA Optimizer)

Task

Implement 2 prompt optimization tasks using the GEPA optimizer in DSPy.

Choose any 2 tasks, such as RAG, classification, question answering, summarization, etc, using open-source datasets.

Evaluation Criteria

1. Dataset preparation
2. Choice of run configuration and evaluation metrics
3. Number of optimization runs and final outputs

Submission

Share a Google Colab notebook with:

- Complete runnable code
- All outputs visible
- Results for both tasks

You may refer to these resources:

<https://www.youtube.com/watch?v=I9ZtkgYZnOw>

<https://www.youtube.com/watch?v=grluzesOwwU>

<https://agentnotes.ai/>

Deadline: 3 days