

Instructions: NLP Assignment

Address any one of two problem statements or both!

Assignment 1

You will be using this zip file for the task.

https://1drv.ms/u/s!Ak0yzJJ_TuMlgfACs04EK_HZtM7-Ow?e=Isotl9

The zip file contains three transcript PDF and three financial PDFs for the same period. You need to use any LLM to generate a prompt that can correlate the increase / decrease of revenue from operations. The LLM should identify the negative / positive sentiment in the transcript and it should validate that sentiment with the corresponding data from financial for that quarter. The output of the LLM should be a json structure mentioning which speaker's statement led the LLM to conclude on the sentiment.

You should submit the following details:

1. The platform used for generating / testing the prompt.
2. The prompt.

Assignment 2

You will be working with Web Scrapers / Langchain agents to fetch data from different sources for a particular company.

You will use Reliance Industries Ltd. (RIL) to find the latest news for RIL in the last 24 hours. This should include any posts on twitter, any news website, or any mention of RIL on any public internet. The data should be structured as follows:

1. The final output should be a list of dictionaries.
2. Each dictionary item should include the following keys:
 - a. source: the source url where the data was scraped.
 - b. text: the scraped text.