

## 1 Introduction [15 points]

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- Kaggle team name: (Anonymous Team)
- Ranking on the private leaderboard:
- AUC score on the private leaderboard:
- Colab link:
- Piazza link:
- Division of labor:

## 2 Overview [15 points]

### Models and techniques attempted

Fill in

### Work timeline

Fill in

### **3 Approach [20 points]**

**Data exploration, processing and manipulation**

Fill in

**Details of models and techniques**

Fill in

## 4 Model Selection [20 points]

### Scoring

Fill in

### Validation and test

Fill in

## 5 Conclusion [20 points]

### Insights

Fill in

### Challenges

Fill in

## 6 Extra Credit [5 points]

## 7 LLM Usage

This section has an example of LLM usage reporting below. Please follow this format to report LLM usage. Indicate each usage clearly.

- Name of LLM(s) Used: ChatGPT
- Components of Project involving LLM: Data processing, Workflow management, Debugging.

### Data preprocessing

### Debugging

We used the LLM to assist with debugging our code by providing explanations of error messages and suggesting potential fixes.

The screenshot shows a dark-themed interface for GitHub and Colab integration. At the top, there's a header bar with the text "GitHub and Colab Integration > course". Below this is a large text area containing a stack trace:

```
latexmk ENOENT
[15:29:51.642]Error: spawn latexmk ENOENT
  at ChildProcess._handle.onexit (node:internal/
child_process:285:19)
  at onErrorNT (node:internal/child_process:483:16)
  at process.processTicksAndRejections (node:internal/process/
task_queues:90:21)
[15:29:51.642][Build] Does the executable exist? $PATH: /Users/
thinkpad/.local/bin:/opt/homebrew/bin:/opt/homebrew/bin:/opt/
homebrew/sbin:/usr/local/bin:/System/Cryptexes/App/usr/bin:/usr/bin:/
bin:/usr/sbin:/sbin:/var/run/com.apple.security.cryptextd/codex.system/
bootstrap/usr/local/bin:/var/run/com.apple.security.cryptextd/
codex.system/bootstrap/usr/bin:/var/run/com.apple.security.cryptextd/
codex.system/bootstrap/usr/appleinternal/bin:/opt/pmk/env/global/bin,
$Path: undefined, $SHELL: /bin/zsh
[15:29:51.642][Build]
```

Below the log, a summary message reads: "Your log shows a simple root cause:". It lists two items:

- spawn latexmk ENOENT ⇒ LaTeX Workshop tried to run latexmk, but your system doesn't have latexmk available in PATH (or you don't have a TeX distribution installed).
- Earlier: kpsewhich returned with non-zero for article.cls ⇒ it also can't find basic TeX files.  
So this isn't a LaTeX Workshop bug; it's "no TeX toolchain found".

Figure 1: Integration of LLM's output for debugging

### Workflow management

As shown in Figure 2, we integrated the LLM's output for workflow management by using it to generate a structured plan for our project. The LLM provided a step-by-step outline of the tasks we needed to complete, which helped us stay organized and on track throughout the project. We used the LLM's suggestions to prioritize our work and allocate time effectively, ensuring that we addressed all necessary components of the project in a timely manner.

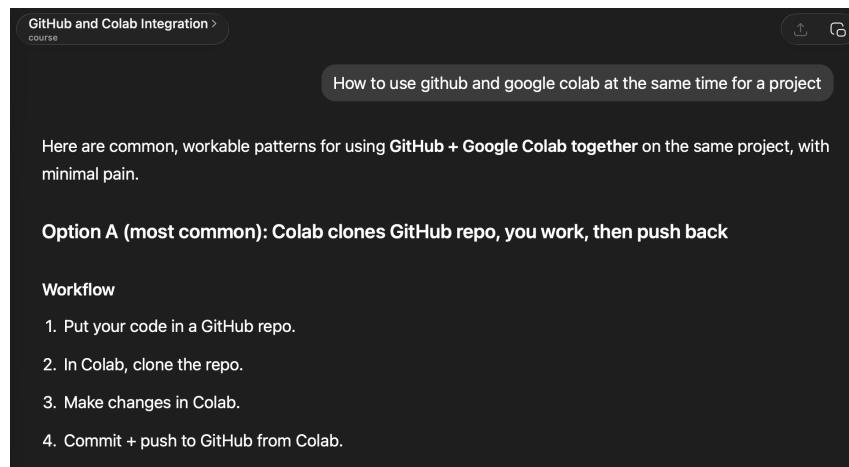


Figure 2: Integration of LLM's output for workflow management