
HACKSTREET BOYS


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Project Overview & Team Roles

Julian – GitHub & Documentation Lead

Sets up repo, manages README.md, folder structure, and code organization.

Ejay – Poster & Presentation Lead

Designs project poster and final slide deck; supports portal content & layout. Will be working on Flask as well.

Zion – Paper Analyst

Selects target papers, evaluates reproducibility criteria, leads scorecard writing.

Dave – Code Runner

Attempts to reproduce paper results, logs code, dataset, and hardware issues

Yari – Communications & Submission Manager

Coordinates daily check-ins, manages submission proof, team info, and final review.

5 Day Plan

Days	Focus	Key Outputs
Monday	Kickoff & Setup	Repo setup, roles assigned, paper shortlist
Tuesday	Paper Deep Dive & Planning	Paper selected, access tested, plan slides
Wednesday	Scorecard Development & Testing	JSON/CSV file, initial portal layout, graph
Thursday	Portal Build & Poster Finalization	Site live, poster PDF, submission proof
Friday	Final Presentation & Deliverables Wrap-up	Slides PDF, final push to GitHub, rehearsal

HackStreet Boys: Project Progress

Priorities:

Our current priority is creating the datasets from the papers and a proper rubric.
We have decided to use a python script to read the scores in so that we can use the data to plot that information.
While also starting to build our website/github to host our information and the actual score cards that we are building.

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Project Plan

Update!

The project plan before is still in progress but we have started to move somethings to be done in tandem with other goals, like the beginning to code our flask and properly setting up the information held in papers/websites. While also including more flexibility due to time zones and some skill levels.

Technology/Problems

We have been using AI like manus, chatgpt and gemini prompting it to give us ideas for rubric and helping debug our code. While also applying our skills in virtual environments like colab to test out our python code.

We created a python script that scrapes a specified number papers, feeds them into Gemini AI, which then provides feedback on some scoring metrics and stores them in a csv file.

```python
# 2. Iterate through each paper and get LLM evaluation
for i, paper in enumerate(papers_for_evaluation):
    paper_title = paper.get("Title", "Untitled Paper").replace('\n', ' ')
    print(f"\n--- Evaluating Paper {i+1}: '{paper_title}' ---")

    prompt = generate_llm_prompt_for_paper(paper, RUBRIC)

    try:
        response = llm_model.generate_content(prompt)
        evaluation_result_text = response.text.strip()

        print(evaluation_result_text)
        all_raw_evaluations_text += f"\n--- Evaluation for Paper {i+1}: '{paper_title}' ---\n"
        all_raw_evaluations_text += evaluation_result_text
        all_raw_evaluations_text += "\n" + "="*80 + "\n"

        # Parse the LLM's text response directly into a dictionary
        parsed_scores = parse_llm_response_to_dict(evaluation_result_text, paper_title)
        structured_evaluations_list.append(parsed_scores)

    except Exception as e:
        print(f"Error evaluating paper '{paper_title}' with Gemini: {e}")
        error_message = f"LLM evaluation failed for this paper: {e}"
        all_raw_evaluations_text += f"\n--- Evaluation for Paper {i+1}: '{paper_title}' (FAILED) ---\
        all_raw_evaluations_text += error_message
        all_raw_evaluations_text += "\n" + "="*80 + "\n"
        structured_evaluations_list.append({"Paper Title": paper_title, "Evaluation Status": "Failed"
```

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We were able to create a python script to evaluate papers and put them into a dataframe to be graphed. We also have started to get our flask app up and running including our team/background information

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Rubric:

This rubric assesses scientific presentations based on **six key criteria**, each scored from 1 (Poor) to 4 (Excellent):

1. **Accessibility**
   Evaluates whether the resource is open and free or requires payment/login.

2. **Computer Requirements**
   Measures how reasonable and clearly specified the hardware/software needs are.

3. **Reproducibility of Results**
   Assesses how easily others can reproduce the project using provided steps and data.

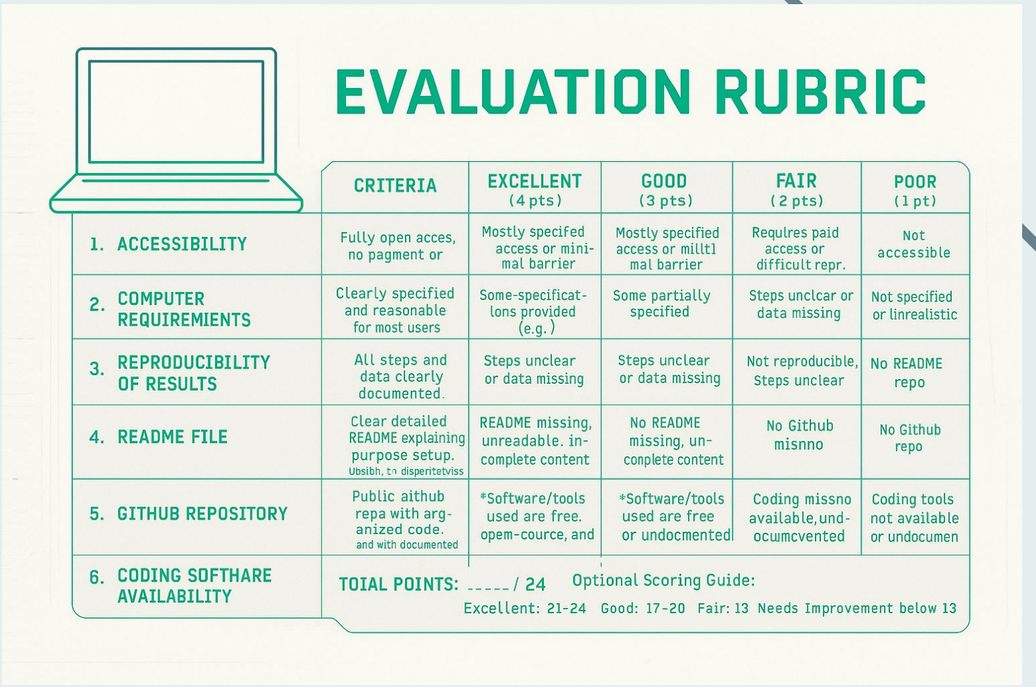
4. **README File**
   Looks at the presence and quality of documentation explaining the project's purpose, setup, and usage.

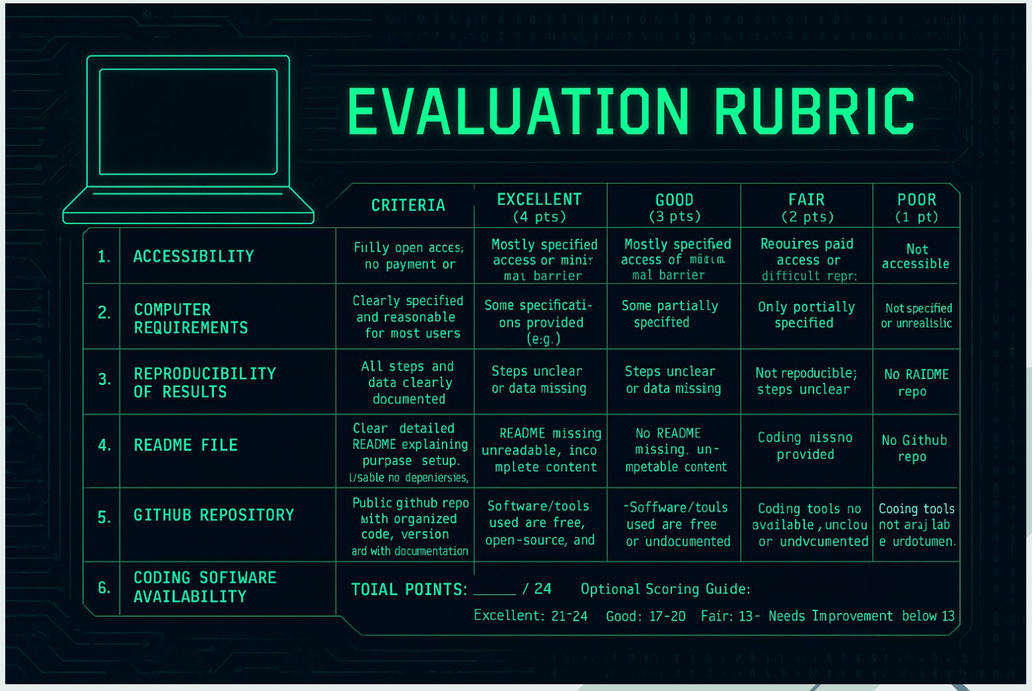
5. **GitHub Repository**
   Checks for an organized, public repo with code and version control.

6. **Coding Software Availability**
   Rates how accessible and well-documented the required coding tools are.

Total Score: /24

- **Excellent**: 21–24
- **Good**: 17–20
- **Fair**: 13–16
- **Needs Improvement**: Below 13





Website Demo

HackStreet Boys - Day 4: Update

We selected a design template that best fit our project goals and began editing our poster to customize it with the necessary information of our website, the data gleaned and visuals that match our website.

We also have been working on and completed the SC24 paper scrapping and have updated our code to read the pdf's from those papers since they were not directly on the SC24 website.

We have had some issues with using gemini's limited AI API and integrating our flask app onto the server