

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

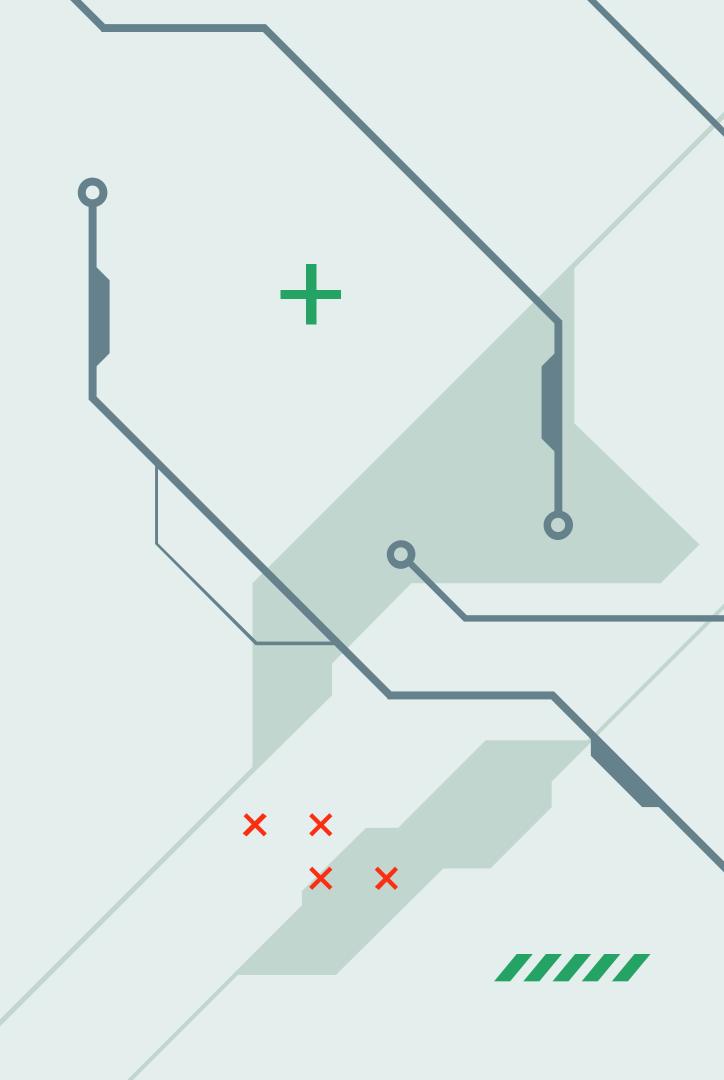
HackStreet Boys: Project Progress

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.







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# 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)
       response = 11m 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.

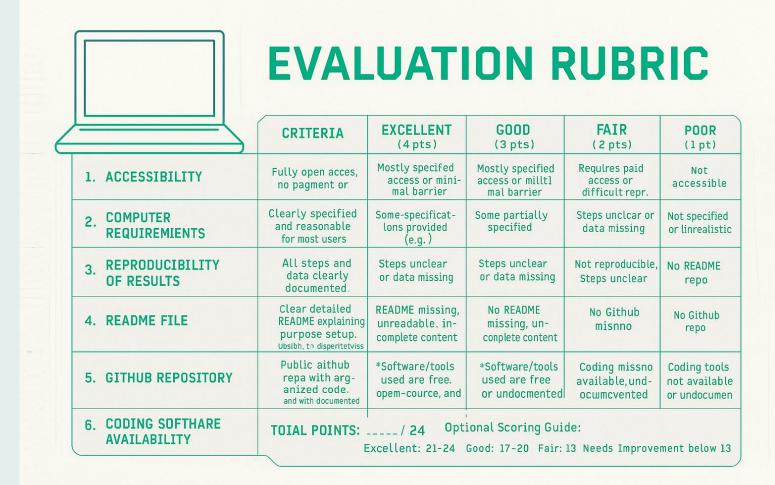
Total Score: /24

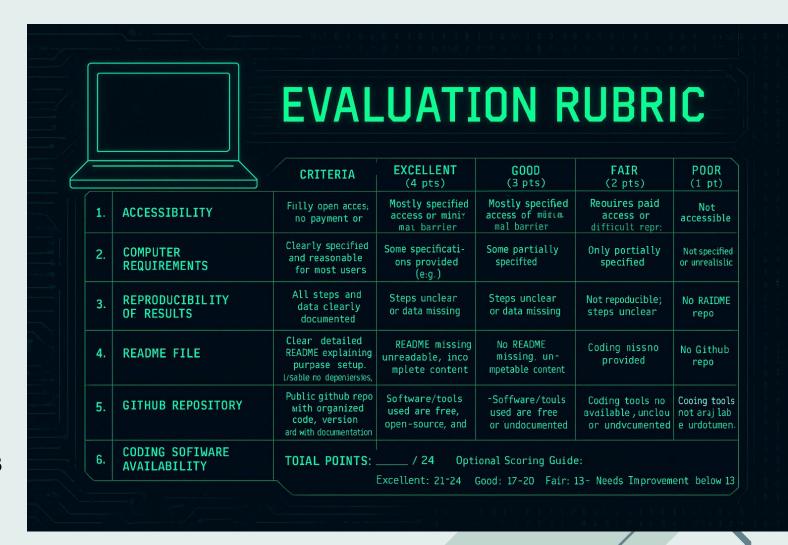
• **Excellent**: 21–24

• **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

HACKSTREETBOYS:

SGX3 CODING INSTITUTE HACKATHON

INTRODUCTION

As participants in the SGX3 Coding Institute, our team, The Hackstreet Boys, engaged in a omprehensive four-week program focused on otebooks and Google Colab. We also gained practical experience in building and deploying v

OBJECTIVE

Our objective is to take the scientific We wanted to tackle this duanting task research papers provided along with their code and data sets to evaluate metrics that we came up with to give ratings to those papers. Then with many are reproducible or other scientific questions

METHODOLOGY

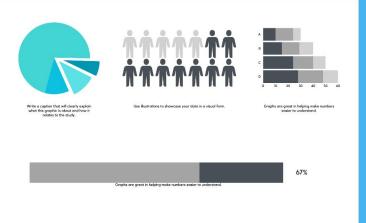
with a lot of caution and space for growth. We created a 4 day plan all spliting the task up, github, building code, presenting leadership and other skills but our main goals were to; Create the data scraper, provide a dataset to be graphed and get our website up and running.

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ANALYSIS

collection of research articles using data scraping techniques. While the initial setup presented challenges—such as handling inconsistent forma and limited access to certain sources—we refined our approach through iterative testing and the developed a functional Python script capable of retrieving key information like abstracts, authors and citation counts, demonstrating a practical application of data-driven research methods



RESULTS/FINDINGS

CONCLUSION

two to three key findings. You can also add a description of each that can give them an idea of what comes next. This section can also include an mplications of the study, and if there are any