***Abstract*—**Gemma models has shown impressive capabilities on many benchmarks. However, the authors did not test other open source models against Gemma because their setting does not guarantee for fairness among all of them. Moreover, there are more specialized benchmarks on which the performance of Gemma is unknown. In our proposal for GSoC 2025, we suggest coding a tool for evaluating a set of Text only and Multimodal Large Language Models.

1 INTRODUCTION

During the course of this project, I aim at developping a framework to evaluate Multimodal Large Language Models of the following features:

- Support for diverse set of benchmark datasets,
- Support for many models including Gemma, LLaMA, Mistral and other models.
- Easy interface to run on benchmark datasets, and
- A leaderboard including all results for models tested with our framework.

2 BENCHMARKS

There has been a lot of benchmarks introduced to test MLLMs. So, I select a sample of them to be representative to many categories from development perspective. For other benchmark testsets, they are expected to be added at a later stage to test the modularity of the framework.

2.1 Commonly Used Benchmarks

This is a list of commonly used benchmarks in reporting LLMs/MLLMs performance:

1. MMLU-PRO Wang et al., 2024 and/or MMLU-ProX Xuan et al., 2025
2. TruthfulQALin, Hilton, and Evans, 2021
3. HellaSwag Zellers et al., 2019 and/or HellaSwag-Pro Li et al., 2025
4. Big-Bench Lite authors, 2023
5. IFEval Zhou et al., 2023 and/or IFEval-Extended Kovalevskyi, 2024

2.2 Coding Tasks

- CodeXGLUE Lu et al., 2021

2.3 Chart Related Tasks

2.3.1 *Chart-to-Table*

- Testsets: ChartQA Masry et al., 2022, PlotQA Methani et al., 2020, ICPR22
- Metrics: Relative Number Set Similarity and Relative Mapping Similarity Liu et al., 2022

2.3.2 *Chart Question Answering*

- Testsets: ChartQA Masry et al., 2022, PlotQA Methani et al., 2020, ICPR22
- Metrics: Accuracy, Precision, Recall and F1

2.3.3 *Chart Summarization*

- Testsets: Chart-to-Text Kantharaj et al., 2022 and ChartSumm Rahman et al., 2023
- Metrics: BLEU Post, 2018, CIDEr Vedantam, Lawrence Zitnick, and Parikh, 2015, ROUGE Lin, 2004 and BLEURT Sellam, Das, and Parikh, 2020.

2.4 LLMs as Agents

- Software Engineering Agents: SWE-Bench Yang et al., 2024
- Machine Learning Researchers: MLAgentBench Huang et al., 2023, MLGym Nathani et al., 2025

2.5 Task Selection

3 TECHNICAL IMPLEMENTATION PLAN

Task	Deadline

Table 1—Tasks Timetable.

4 ANTICIPATED IMPACT

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