QUICKSCAN - CANVAS

LLM Benchmark

NAME: LLM Benchmark
DATE: May 15, 2026 8:18 PM

DESCRIPTION OF TECHNOLOGY
The created technology is an LLM benchmark. To create this, many LLM's and LLM serving technologies are used in a python backend.

HUMAN VALUES

The technology can inform people about the very specific impact their choice for model can have on carbon offset. Due to the technology not having a user interface or much user interaction, there is no guarentee for transfer into behavioral change.

TRANSPARENCY

The benchmark is made without a backing company, this ensures freedom from corporate interests. The goals of the benchmark and the inner workings of the technology will be documented in a way that is readable to developers and researchers alike.

IMPACT ON SOCIETY

LLM's consume a lot of power. With the explosion in popularity of these models, so has there been an explosion in power consumption and carbon offset. As of the writing of this document, there is little to no awareness of the impact that these models have, it is still difficult for researchers and developers to take model power efficiency into account. The benchmark will provide comparisons between models based on their power efficiency in real world scenarios.

STAKEHOLDERS

- AI Researchers
- Developers
- Clients of AI technology

SUSTAINABILITY

This is a funny question. The benchmark itself does not take energy efficiency into account, as its energy consumption is needed to measure, well... energy consumption. But this tool does allow others to keep track of their energy consumption.

HATEFUL AND CRIMINAL ACTORS

Not, all models tested by the technology are open source. It only provides a platform to test models.

DATA

The benchmark tries to take away as many variables in the testing as possible. This will result in more trustable data. To ensure that the data is real to real life use cases, the benchmark will be made to simulate real world behavior.
When comparing models, model accuracy will also need to be taken into account.

FUTURE

If the results of the efficiency benchmark get integrated in common AI platforms, the core focus of accuracy as final say all in LLM research might shift into the development for more energy efficient models that preform the same.

PRIVACY

The technology has the potentional to track the location of the computer running the benchmark. This is used to measure carbon offset, as carbon offset due to power consumption is very dependend on the power grid it is stationed at. This tracking can be turned off as the tool runs locally.

INCLUSIVITY

The specific real life scenarios the benchmark tries to create will influence the results. To mitigate tunnelvision, multiple different scenarios will be tested.

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QUICKSCAN - CANVAS - HELPSIDE

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HUMAN VALUES

How is the identity of the (intended) users affected by the technology?

To help you answer this question think about sub questions like:

- If two friends use your product, how could it enhance or detract from their relationship?
- Does your product create new ways for people to interact?…

TRANSPARENCY

Is it explained to the users/stakeholders how the technology works and how the business model works?

- Is it easy for users to find out how the technology works?
- Can a user understand or find out why your technology behaves in a certain way?
- Are the goals explained?
- Is the idea of the technology explained?
- Is the technology company transparent about the way their…

IMPACT ON SOCIETY

What is exactly the problem? Is it really a problem? Are you sure?

Can you exactly define what the challenge is? What problem (what 'pain') does this technology want to solve? Can you make a clear definition of the problem? What 'pain' does this technology want to ease? Whose pain? Is it really a problem? For who? Will solving the problem make the world better? Are you sure? The problem definition will help you to determine…

STAKEHOLDERS

Who are the main users/targetgroups/stakeholders for this technology? Think about the intended context by…

When thinking about the stakeholders, the most obvious one are of course the intended users, so start there. Next, list the stakeholders that are directly affected. Listing the users and directly affected stakeholders also gives an impression of the intended context of the technology.
…

SUSTAINABILITY

In what way is the direct and indirect energy use of this technology taken into account?

One of the most prominent impacts on sustainability is energy efficiency. Consider what service you want this technology to provide and how this could be achieved with a minimal use of energy. Are improvements possible?

HATEFUL AND CRIMINAL ACTORS

In which way can the technology be used to break the law or avoid the consequences of breaking the law?

Can you imagine ways that the technology can or will be used to break the law? Think about invading someone's privacy. Spying. Hurting people. Harassment. Steal things. Fraud/ identity theft and so on. Or will people use the technology to avoid facing the consequences of breaking the law (using trackers to evade speed radars or using bitcoins to launder…

DATA

Are you familiar with the fundamental shortcomings and pitfalls of data and do you take this sufficiently into…

There are fundamental issues with data. For example:

- Data is always subjective;
- Data collections are never complete;
- Correlation and causation are tricky concepts;
- Data collections are often biased;…

FUTURE

What could possibly happen with this technology in the future?

Discuss this quickly and note your first thoughts here. Think about what happens when 100 million people use your product. How could communities, habits and norms change?

PRIVACY

Does the technology register personal data? If yes, what personal data?

If this technology registers personal data you have to be aware of privacy legislation and the concept of privacy. Think hard about this question. Remember: personal data can be interpreted in a broad way. Maybe this technology does not collect personal data, but can be used to assemble personal data. If the technology collects special personal data (like…

INCLUSIVITY

Does this technology have a built-in bias?

Do a brainstorm. Can you find a built-in bias in this technology? Maybe because of the way the data was collected, either by personal bias, historical bias, political bias or a lack of diversity in the people responsible for the design of the technology? How do you know this is not the case? Be critical. Be aware of your own biases.…

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