


NAME: StreamMe

DATE: May 11, 2025 12:38 AM

DESCRIPTION OF TECHNOLOGY

A machine learning tool that helps you navigate through the live broadcasting space and reach your goals of fame.




IMPACT ON SOCIETY




The purpose of StreamMe is to help navigate the vast landscape of Twitch.tv and help a live broadcaster raise to popularity. StreamMe will extract and process data provided by the public Twitch API and outputting the most popular categories, languages spoken by the streamers and their respective audience. StreamMe solves the issue of recognition, it being hard to find unless you are a part of a certain popular streamer's friend group.

HATEFUL AND CRIMINAL ACTORS




It is unlikely for StreamMe to be used as a tool to break the law. The information provided is extracted from a public facing API meaning it has a certain amount of security to it. Unfortunately, it could be used to harass a streamer. The Internet is a friendly and a hostile place at the same time so no user of the technology would be "safe". StreamMe is a recommendation tooling rather than a decision making one meaning its output is not meant to be brainlessly incorporated.

PRIVACY




StreamMe uses only publicly available data provided by the public Twitch API.

HUMAN VALUES




The main focus of the project is on the streamers, who are considered to be the primary stakeholders. StreamMe by itself does not impose a certain behavior. It is neither discriminative nor profiling as it does no affect the user's dignity in no shape or form. StreamMe serves only as a recommendation that will not judge a decision but rather aid in the process.

STAKEHOLDERS




- Live streamer
- Advertisers
- Developer
- Mentors
- Stream viewers

DATA




StreamMe is highly dependent on the provided data. Its recommendations might be precise but they could also be really far from the truth depending on the provided data and its reputability. I fully understand the possible shortcomings and make sure to warn about them while people are using StreamMe. This is why rather than a predictor, the technology is a recommender.

INCLUSIVITY




Yes, by itself data is biased and StreamMe relies on the data it is provided. Outside of that, the product has only one version meant for everyone interested to use.

TRANSPARENCY



I explain which are the primary sources used in the technology, which topics are taken and which of them are taken into account. All of the information gained is publicly available and is reputable. As StreamMe is free to use, there is no business model to taken into consideration.

SUSTAINABILITY



StreamMe is intended to be lightweight and deployable on the cloud with minimum amount of energy expenditure.

FUTURE



StreamMe will always rely on the data it is provided but it is possible for it to set new trends if a large group of streamers start using it and collaborate with each other. By all means StreamMe is not a silver bullet for solving the problems that come with livestreaming and building a community.

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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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