QUICKSCAN - CANVAS

Music chart predictor

NAME: Music chart predictor
DATE: September 2, 2024 5:21 AM

DESCRIPTION OF TECHNOLOGY
This technology will be used to gather data from an artists previous song/album releases, and will try to predict if a song will go popular or not.

HUMAN VALUES

This could affect the perception a user has of a song prior to listening to it. As a user can see that the song barely has any popularity, he would be less inclined to listen to such a song as opossed to one of the more popular ones.

TRANSPARENCY

It will be explained how the data is gathered and what it is gathering. Furthermore the general idea of how the AI will predict the upcoming streams will also be explained.

IMPACT ON SOCIETY

This technology will help artists, record labels, DJ's etc help choose which songs will become popular and have the most longetivity.

STAKEHOLDERS

- Artists
- Music listeners
- Record labels
- Djs

SUSTAINABILITY

It will be hosted on a webserver, and will use the processing power of the users hardware to access the webserver.

HATEFUL AND CRIMINAL ACTORS

There seem to barely be any way to break the law or avoid consequences of breaking the law.

However it could have a negative-impact if an upcoming artist would hack/manipulate the algorithm with fake data, so his new song would come out on top, instead of other more deserving artists.

DATA

Yes as we can't 100% accurately predict each and every song, there can be a lot of subtle interactions that will cause a certain song to blow up that we can't account for.

However we will try to get as close to complete accuracy as possible.

FUTURE

If it's not maintained well it, could decrease in accuracy over time because there will be more datapoints accessible that aren't gathered.

PRIVACY

It won't register personal data, just what is publicly available on spotify users.

INCLUSIVITY

This technology will have a bias to the more popular genres in the industry. As pop songs often do way better on the music charts than a more niche genre like heavy-metal.

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THIS CANVAS IS PART OF THE TECHNOLOGY IMPACT CYCLE TOOL. THIS CANVAS IS THE RESULT OF A QUICKSCAN. YOU CAN FILL OUT THE FULL TICT ON WWW.TICT.IO

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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