




NAME: Spoiler detector 

DATE: September 5, 2024 12:56 PM


DESCRIPTION OF TECHNOLOGY
 An AI that can detect if a review or comment is a spoiler or not. That way these comments and reviews can be marked as a spoiler therefore people will not be unwantingly spoiled because they will be warned before hand. This will be done using NLP(Natural Language Processing) this means that I will use algorithms and computational techniques to enable a computer to understand and interpret natural language such...

HUMAN VALUES 


By using this technology the user will no longer be spoiled when looking for a show to watch and therefore can read as many review as they want to find the best show for themselves. NLP makes it easier for people to interact with there technology in a more natural way because they can communicate in there natural language and that makes the process more intuitive and less technical. NLP also helps with accesibility for people with dissabilty by letting them communcate with devices using text or speech

TRANSPARENCY 


I think I have explained how my technology works clearly, Because I have shown how my model uses his input and why he use that specific input to come to the correct conclusion. NLP is often complex and ambiguous this makes it hard for people to understand how it works. And if people don't know how something works the don't trust it thats why it is important for people who make NLP models to explain clearly how there model comes to a conclusion when asked a question.

IMPACT ON SOCIETY 

The problem is that when people are looking to watch a new tv-show or movie they go look at the reviews of that show or movie. But the chance is than that the review is filled with spoilers. And then even if the show or movie is good they won't have any fun watching it because they know what will happen.

STAKEHOLDERS 


- Tv-show and movie reviewers
- Consumers
- Streaming platforms

SUSTAINABILITY 


There is no way to make this technology use less energy.

HATEFUL AND CRIMINAL ACTORS 


This technology can't be used to break the law because it can't do anything that can break that law. But NLP does have it cons like generating fake news, reviews and opinions which can deceive users and influence their decisions. Another thing you can do is create copyrighted content without permission. And lastly it can also be used for Insider trading by analyzing news articles and social media post to predict market trends.

DATA 


I am using the dataset of IMDB this is one of the largest platforms where people leave there reviews for there favourite tv-show or movie. I'm going to analyse my results to see if it is not just a coincidence but that there are actual grounds for these result. NLP can be biased if the data given to the model is not representative and diverse. When this happens you get a biased model that perpetuates stereotypes and discrimination.

FUTURE 

I could be used so that people can't even get spoiled when someone texts them a spoiler about a movie or tv-show. NLP could in the future get a even better understanding of human text when it has even gotten more time to learn with a lot of data. I also think that in the future NLP will have more emphasis on ethical consideration because this becomes even more important when AI gets a better understanding of human text. And lastly I also think that It will be used more in healthcare for automated diagnosis.

PRIVACY 

This technology only uses the data of the contents of the review and doesn't use any data of the reviewer itself. NLP can be used to collect personal information from social media or online conversations this can violate the user privacy but this can also be used to personlize the things the user consumes wich will lead to a better user experience.


INCLUSIVITY 

No this technology does not have a built in bias because it only knows the contents of the review and not the context behind it. NLP can have a built-in bias if it is given data that is not diverse and representative. For example chatgpt is politicaly left because when you ask for his opinion it gives politially left answers.

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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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