Fake News Application

Crowd Sourced Database of Articles containing Fake News

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Technology Impact Cycle Tool

Fake News Application

Impact on society

What impact is expected from your technology?

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

Spreading of Fake News is huge in social media platforms. I want to show a percentage of how trustworthy this information is to avoid any misinformation.

Are you sure that this technology is solving the RIGHT problem?

The Fake News get spread through technology. The browser extension makes it so that a user is rapidly shown that it might be fake.

How is this technology going to solve the problem?

Users will get a dialog on news articles that show it may or may not be real of fake.

What negative effects do you expect from this technology?

Crowd Sourcing brings a big risk. There might be misinformation in my tool.

In what way is this technology contributing to a world you want to live in?

My tool makes sure people know when something is real or fake to avoid costly or dangerous actions.

Now that you have thought hard about the impact of this technology on society (by filling out the questions above), what improvements would you like to make to the technology? List them below.

Consider different options then crowd sourcing

Hateful and criminal actors

What can bad actors do with your technology?

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

Breaking the law is impossible. However misinformation can be spread by sabotaging my crowd sourced information

Can fakers, thieves or scammers abuse the technology?

Someones article might be marked as fake news because people don't like their thoughts.

Can the technology be used against certain (ethnic) groups or (social) classes?

Someones article might be marked as fake news because it doesn't match with someones ideology

In which way can bad actors use this technology to pit certain groups against each other? These groups can be, but are not constrained to, ethnic, social, political or religious groups.

Groups articles might be marked as fake news

How could bad actors use this technology to subvert or attack the truth?

Groups articles might be marked as fake news

Now that you have thought hard about how bad actors can impact this technology, what improvements would you like to make? List them below.

Consider an alternative to Crowd Sourcing. Maybe let users define why something might be real or fake by adding a comment.

Privacy

Are you considering the privacy & personal data of the users of your technology?

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

It registers an e-mail adress and sites it added. This information isn't shared with other users and is only there to administrate people's behaviour on the application. If a user account is deleted, all other data will stay on the website and will be anonimized in the storage.

Do you think the technology invades the privacy of the stakeholders? If yes, in what way?

It can show what sites you like to use. Only if you add sites yourself. This won't be the case for 99.9% of users.

Is the technology is compliant with prevailing privacy and data protection law? Can you indicate why?

The data it saves is for moderating purposes, this makes it legal with GDPR

Does the technology mitigate privacy and data protection risks/ concerns (privacy by design)? Please indicate how.

It doesn't ask for what it doesn't needs. It only asks for what it really needs.

In which way can you imagine a future impact of the collection of personal data?

If you add weird websites, and the data becomes public you might have some explaining to do. Only less then 0.1% of users will do this.

Now that you have thought hard about privacy and data protection, what improvements would you like to make? List them below.

I wouldn't like to change anything.

Human values

How does the technology affect your human values?

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

The data is crowd sourced so it's always in line with the identity of the users.

How does the technology influence the users' autonomy?

It forces users to think about articles and form their own opinion instead of copying the person who wrote the article

What is the effect of the technology on the health and/or well-being of users?

Users might see a crowd sourced opinion that doesn't match their values. Users are able to hide this opinion.

Now that you have thought hard about the impact of your technology on human values, what improvements would you like to make to the technology? List them below.

I need to let users turn it partially off

Stakeholders

Have you considered all stakeholders?

Who are the main users/targetgroups/stakeholders for this technology? Think about the intended context by answering these questions.

Name of the stakeholder
My Mom

How is this stakeholder affected?
My mom believes everything she reads on facebook. I'd like this tool to advice her what's real or fake.

Did you consult the stakeholder?
No

Are you going to take this stakeholder into account?
Yes

Name of the stakeholder
Unknown

How is this stakeholder affected?
-

Did you consult the stakeholder?
No

Are you going to take this stakeholder into account?
No

Did you consider all stakeholders, even the ones that might not be a user or target group, but still might be of interest?

Name of the stakeholder
Children

How is this stakeholder affected?
Children can't read and still watch youtube video's with misinformation must be informed with visuals that indicate something is real of fake news.

Did you consult the stakeholder?
No

Are you going to take this stakeholder into account?
Yes

Now that you have thought hard about all stakeholders, what improvements would you like to make? List them below.
I'd like to also make this available for young childeren who use the internet for games, video's or learning.

Data

Is data in your technology properly used?

Are you familiar with the fundamental shortcomings and pitfalls of data and do you take this sufficiently into account in the technology?

Incomplete data collections will be removed by the cleaning microservices that cleans storages asynchronously

How does the technology organize continuous improvement when it comes to the use of data?

I might consider adding a date to votes. After a week a vote becomes invalid and the user has to vote again.

How will the technology keep the insights that it identifies with data sustainable over time?

Data isn't used to predict the future. I might add this in case i want to identify a site as fake as a whole.

In what way do you consider the fact that data is collected from the users?

My database is crowd sourced.

Now that you have thought hard about the impact of data on this technology, what improvements would you like to make? List them below.

I might wanne invalidate data after a while and collect data in a broader sense to avoid misinformation.

Inclusivity

Is your technology fair for everyone?

Will everyone have access to the technology?

Everyone will have access as long as your consuming digital media.

Does this technology have a built-in bias?

My technology is Crowd Sourced. It will be as biased as the source.

Does this technology make automatic decisions and how do you account for them?

If a user is deleted, all data will me anonimized.

Is everyone benefitting from the technology or only a a small group? Do you see this as a problem? Why/why not?

Everyone is benefitting from the project. Since it's crowd sourced, the more people the better.

Does the team that creates the technology represent the diversity of our society?

As long as the people consume digital media, it's interesting for them.

Now that you have thought hard about the inclusivity of the technology, what improvements would you like to make? List them below.

I wouldn't like to change anything.

Transparency

Are you transparent about how your technology works?

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

The application is open source and non-profit.

If the technology makes an (algorithmic) decision, is it explained to the users/stakeholders how the decision was reached?

There are no algorithmicsc

Is it possible to file a complaint or ask questions/get answers about this technology?

There is no support.

Is the technology (company) clear about possible negative consequences or shortcomings of the technology?

I don't think this idea is too insignificant to show negative consequences or shortcomings.

Now that you have thought hard about the transparency of this technology, what improvements would you like to make? List them below.

I'm going to keep the concept as is.

Sustainability

Is your technology environmentally sustainable?

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

The deployment is on serverless. The architecture gets scaled on the amount of users keeping energy use efficient.

Do you think alternative materials could have been considered in the technology?

There are no other technologies that might reduce energy coust.

Do you think the lifespan of the technology is realistic?

As long as there is digital media, my product will be relevant.

What is the hidden impact of the technology in the whole chain?

People won't do stupid things due to misinformation

Now that you have thought hard about the sustainability of this technology, what improvements would you like to make? List them below.

I'd like to change nothing for this subject.

Future

Did you consider future impact?

What could possibly happen with this technology in the future?
This question has not been answered yet.

Sketch a or some future scenario (s) (20-50 years up front) regarding the technology with the help of storytelling. Start with at least one utopian scenario.
Digital media will change. My tool will have to adapt to the transformation.

Sketch a or some future scenario (s) (20-50 years up front) regarding the technology with the help of storytelling. Start with at least one dystopian scenario.
The dialog that tells wether its real or fake will transform in many different forms to display the information best.

Would you like to live in one of this scenario's? Why? Why not?
No won't like to live in a world that doesn't respect basic human needs.

What happens if the technology (which you have thought of as ethically well-considered) is bought or taken over by another party?
It can't be biased more because the information is crowd sourced.

Impact Improvement: Now that you have thought hard about the future impact of the technology, what improvements would you like to make? List them below.
I'd like to change nothing.