



NAME: BDO Document Classification
DATE: September 5, 2024 7:37 PM
DESCRIPTION OF TECHNOLOGY




HUMAN VALUES
 Non applicable.



TRANSPARENCY
 We are actively in touch with the stakeholders and share the working of the classification solution.



IMPACT ON SOCIETY
 BDO wants to automate the classification of documents because currently it is done manually, which costs BDO both time and money.




STAKEHOLDERS
 - BDO Accountants
 - BDO Administrative Employees



SUSTAINABILITY
 The classification solution heavily relies on Microsoft's services. Microsoft is actively working on sustainability, as can be read here: <https://www.microsoft.com/en-us/corporate-responsibility/sustainability>




HATEFUL AND CRIMINAL ACTORS
 The classification solution is not prone to law breaking. All it does is scan documents and label it with a certain document category.




DATA
 To have a 100% accurate algorithm is impossible. We however set a high standard for our algorithm, it is only allowed to classify a document if it reaches a certain accuracy.


 However, and that has to be taken into account, there is a possibility that the classification solution classifies a document wrongly.




FUTURE
 The solution could be further developed, making the algorithm more accurate. As more files are uploaded, the more files there are to further train the algorithm.






PRIVACY
 The classification solution processes classified files from clients, so security and privacy is a top priority. The solution will only be built by services (e.g. Microsoft Azure) which guarantee top level security.




INCLUSIVITY
 Not applicable.



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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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