



NAME: NLP with clustering
DATE: June 16, 2024 1:15 PM
DESCRIPTION OF TECHNOLOGY
NLP with clustering involves using techniques from both fields to organize and analyze large collections of text data. Clustering algorithms group similar documents or pieces of text together based on their content, without needing predefined categories or labels. This can be useful for tasks such as text summarization, document organization, topic modeling, and sentiment analysis.




HUMAN VALUES
The identity of applicants are generally not affected by the AI itself unless the AI system is specifically designed for identity related purposes. In the context of screening CV, the primary goal is to decrease the time of going through the cv and match it with the right candidates from malicious activities rather than influencing their identities.



TRANSPARENCY
Yes, before I started my project I had to present the project proposal to my stakeholders where I explained how AI works and is going to solve the problem




IMPACT ON SOCIETY
Traditionally going through the CV is a time-consuming. Therefore, i am building a model to automate CV screening and match candidates with the right job.



STAKEHOLDERS


- Recruiters
- Hiring managers
- Job applicants




SUSTAINABILITY



HATEFUL AND CRIMINAL ACTORS
While AI has numerous positive applications, it's important to acknowledge that like any tool, it can potentially be misused for illegal or unethical purposes. For instance, In financial markets, AI algorithms might be exploited to manipulate stock prices, engage in insider trading, or execute other forms of financial fraud.




DATA
Yes, I am aware of these fundamental issues with data, and they are crucial considerations in the field of artificial intelligence. It's rare to have complete datasets. Missing data is a common challenge. Various techniques, such as imputation are used to handle missing values. Additionally, careful consideration is given to the implications of missing data on the analysis.



FUTURE
AI systems will become more sophisticated in automatically screening large volumes of resumes, reducing the workload on HR professionals and speeding up the hiring process.


The collection and storage of large amounts of personal data pose risks of data breaches and unauthorized access. Ensuring that candidates are informed about how their data is used and obtaining their consent is critical.



PRIVACY
No



INCLUSIVITY
Yes, AI models are trained on historical data, which can contain inherent biases. If the training data reflects past hiring practices that favored certain demographics or discriminated against others, the AI system can learn and perpetuate these biases.



FIND US ON www.tict.io

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




NAME: NLP with clustering
DATE: June 16, 2024 1:15 PM
DESCRIPTION OF TECHNOLOGY
NLP with clustering involves using techniques from both fields to organize and analyze large collections of text data. Clustering algorithms group similar documents or pieces of text together based on their content, without needing predefined categories or labels. This can be useful for tasks such as text summarization, document organization, topic modeling, and sentiment analysis.



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....



FIND US ON WWW.TICT.IO

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

