Dela

Predict the amount of upcoming funerals, based on the number of intakes in hospitals, and the mortality rates of those intakes.

Estimating the amount of funerals per region in the coming weeks, based on the correlation between hospital intake & mortality rates. (Perhaps sort it by season/month)

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Context of use: Education
Level of education: Bachelor

Technology Impact Cycle Tool
Dela

Impact on society
What impact is expected from your technology?

This category is only partial filled.

What is exactly the problem? Is it really a problem? Are you sure?
With the current ongoing pandemic there is no grip for the funeral care workers to be able to handle the crisis in an efficient and proper matter. The reason for this is the fact that they don't know how many people are passing away in the upcoming future.

Are you sure that this technology is solving the RIGHT problem?
Yes, Group A explicitly looks at the problem that Dela currently has. Based on that problem, we look for a solution.

How is this technology going to solve the problem?
Yes, with the ability to predict death counts, DELA can act on those numbers. Meaning that the funeral workers are prepared for their upcoming work.

What negative effects do you expect from this technology?
We don't expect any negative effects on DELA.

In what way is this technology contributing to a world you want to live in?
For the people who have lost their loved one, it means they get better service because there are more staff present and work can be done properly

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.
This question has not been answered yet.

Technology Impact Cycle Tool

Dela

Hateful and criminal actors
What can bad actors do with your technology?

This category is only partial filled.

In which way can the technology be used to break the law or avoid the consequences of breaking the law?
This technology can not brake the law.

Can fakers, thieves or scammers abuse the technology?
This technology can not be used nor abused by fakers, thieves or scammers.

Can the technology be used against certain (ethnic) groups or (social) classes?
The only issue people can make is why certain ethnic groups question about the choices the family makes with the use of DELA

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.
This question has not been answered yet.

How could bad actors use this technology to subvert or attack the truth?
This question has not been answered yet.

Now that you have thought hard about how bad actors can impact this technology, what improvements would you like to make? List them below.
This question has not been answered yet.

Privacy

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

This category is only partial filled.

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

Yes, the technology register data from the dead person. Data like age, residence and ethnicity

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

The information of the families from the dead persons are known. Except that it has no effect on further stakeholders

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

Yes, the technology has no affect on any law.

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

It does not mitigate privacy and data protection.

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

The technology group A has created does not create data, has affect on DELA's reputation nor impact on their future opportunities.

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

This question has not been answered yet.

Human values
How does the technology affect your human values?

This category is only partial filled.

How is the identity of the (intended) users affected by the technology?
The family of the dead person will receive better value for their money.

How does the technology influence the users' autonomy?
The technology is only available for the employees of DELA

What is the effect of the technology on the health and/or well-being of users?
The technology has no effect on the health and/or well-being of users

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.
This question has not been answered yet.

Stakeholders
Have you considered all stakeholders?

This category is only partial filled.

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

Name of the stakeholder
Head of DELA

How is this stakeholder affected?
With the new technology, DELA has a grip on the incoming funeral requests.

Did you consult the stakeholder?
Yes

Are you going to take this stakeholder into account?
Yes

Name of the stakeholder
DELA Employees

How is this stakeholder affected?
DELA employees are the ones who will be using the technology.

Did you consult the stakeholder?
Yes

Are you going to take this stakeholder into account?
Yes

Name of the stakeholder
Family of the deceased Person

How is this stakeholder affected?
The family of the deceased person is more likely to obtain clarity and better quality from DELA through the technology.

Did you consult the stakeholder?
Yes

Are you going to take this stakeholder into account?

Yes

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

Now that you have thought hard about all stakeholders, what improvements would you like to make? List them below.
This question has not been answered yet.

Data
Is data in your technology properly used?

This category is only partial filled.

Are you familiar with the fundamental shortcomings and pitfalls of data and do you take this sufficiently into account in the technology?
We trust DELA to forward data that is accurate and complete. Incorrect data can result in incorrect schedules and dismantles the problem DELA is facing.

How does the technology organize continuous improvement when it comes to the use of data?
The data the system uses will not be changed.

How will the technology keep the insights that it identifies with data sustainable over time?
The insights we gain through the system ensures that DELA can save money in the long run and make it easier for its fellow employees.

In what way do you consider the fact that data is collected from the users?
There is no business model behind the system.

Now that you have thought hard about the impact of data on this technology, what improvements would you like to make? List them below.
This question has not been answered yet.

Technology Impact Cycle Tool

Dela

Inclusivity
Is your technology fair for everyone?

This category is only partial filled.

Will everyone have access to the technology?
No, this technology is solely made for DELA only

Does this technology have a built-in bias?
No, the technology has no built-in bias.

Does this technology make automatic decisions and how do you account for them?
The technology does not make automatic decisions. The employees of DELA make the decisions.

Is everyone benefitting from the technology or only a a small group? Do you see this as a problem? Why/why not?
For now, only the people from DELA will benefit from the technology and the family of the deceased person.
The fact that the people from DELA are benefitting from this technology is simply because they know when they need more or less employees on the work floor and the family of the deceased person will notice that their funeral is not rushed.

Does the team that creates the technology represent the diversity of our society?
Yes, the team consists of different profiles and ages.

Now that you have thought hard about the inclusivity of the technology, what improvements would you like to make? List them below.
This question has not been answered yet.

Transparency
Are you transparent about how your technology works?

This category is only partial filled.

Is it explained to the users/stakeholders how the technology works and how the business model works?
Yes, the technology is easy to use for users and they'll know how the technology works. The idea of the technology will be explained and the users will be guided.

If the technology makes an (algorithmic) decision, is it explained to the users/stakeholders how the decision was reached?
This question has not been answered yet.

Is it possible to file a complaint or ask questions/get answers about this technology?
Ofcourse, any questions and complaints will be taken serious and our team will be able to answer those questions.

Is the technology (company) clear about possible negative consequences or shortcomings of the technology?
the technology is transparent to users or stakeholders. Any negative consequences or shortcomings of the technology will be communicated to DELA.

Now that you have thought hard about the transparency of this technology, what improvements would you like to make? List them below.
This question has not been answered yet.

Sustainability

Is your technology environmentally sustainable?

This category is not applicable for this technology.

Technology Impact Cycle Tool
Dela

Future
Did you consider future impact?

This category is only partial filled.

What could possibly happen with this technology in the future?
This technology can be applied to different companies and niches. The purpose for now is DELA but in the future group A can expand into different companies.

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.
With the use of the system, it is clearer how many people have died and from there planning can be done. So in the long term, this means that DELA will be able to see how many staff are needed after a few months. This means that DELA can save staff and money.

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.
This question has not been answered yet.

Would you like to live in one of this scenario's? Why? Why not?
The utopian will be the best scenario as it solves DELAs problem with their planning. There is no longer a conundrum of how many workers are needed each day.

What happens if the technology (which you have thought of as ethically well-considered) is bought or taken over by another party?
It is common for programs to be used by other companies. The system can also be used by multiple companies, allowing them to save money and employees in the long run as well.

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.
This question has not been answered yet.