QUICKSCAN - CANVAS

Data Dashboard

NAME: Data Dashboard
DATE: May 16, 2026 4:01 PM

DESCRIPTION OF TECHNOLOGY
A dashboard for CPP containing various graphs relating to data collected from their printers

HUMAN VALUES

The identity of the user is not affected by the technology. the technology is only used to collect data on how the user is currently using the technology and will not be used to alter the user's behaviour

TRANSPARENCY

In this the technology, CPP is both the users and the product owners, so they know what the product is for and how it is used

IMPACT ON SOCIETY

The problem the technology aims to solve is the lack of insights into how CCP's printers are used. Without this technology, CCP would blindly assume how customers are using their printers. Solving this problem would increase the quality of printers CCP delivers and cater more to what customers need.

STAKEHOLDERS

- CCP
- CCP Customers

SUSTAINABILITY

The printers already consume a lot of energy, so adding a few small sensors to it, won't make much of a difference. We do need servers to run the application, however I dont know if CPP has their own servers on which it can be hosted on.

HATEFUL AND CRIMINAL ACTORS

Although very unlikely, this technology could be used to copy a company's products since the printing data is available to recreate what is being printed by the company.

DATA

We know that data can create a inaccurate image, especially without context. In the end, it is up to CPP whether they trust themselves and their data enough to make decisions based on the dashboard.

FUTURE

If the dashboard creates new insights into the Colorado line for CPP, then they could expand it to more products if they'd like. It might also lead to adding more sensors and collecting more data from the printers.

PRIVACY

The technology registers personal company data, eg how much the company is printing and what the company is printing. The data is not specific to any one user.

INCLUSIVITY

Yes. CPP decides what to monitor on their printers, and the data of these sensors is sent (indirectly) to the dashboard. CPP ofcourse has her own bias to make as much profit as possible, which might cause them too lose sight on certain aspects that may seem unimportant to this objective directly, but turn out to be crucial in another context. If they lose oversight because of their bias, the only that will be hurt, will be themselves

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QUICKSCAN - CANVAS - HELPSIDE

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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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