QUICKSCAN - CANVAS

Housing Price Predictor

NAME: Housing Price Predictor
DATE: March 22, 2021 1:06 PM

DESCRIPTION OF TECHNOLOGY
Machine learning techniques are applied to analyze the information gathered to create models for house buyers and sellers and therefore, help them have more knowledge about the real estate they are buying/selling. The project will be conducted by analysing past market patterns and value ranges that are in the dataset. In this project I am going to predict the price of houses and I will verify my results by the…

HUMAN VALUES

The technology is rather beneficial to the users than harmful. It does have an effect onpeople's lives by helping them be more acquainted with the real estate prices. It is definitely not stigmatising.

TRANSPARENCY

I do explain - in broad terms - how the technology works in the documentation of the project. I llist the data sources I use to feed the AI to create the predictor.

IMPACT ON SOCIETY

In their lives, at least once, people had the opportunity to rent or buy a property at an overrated price. The prediction project will help people get better overview of how the prices vary.

STAKEHOLDERS

- Buyers
- Sellers
- Tenants
- Housing agencies

SUSTAINABILITY

Since the data is changing every day because the housing companies changes their catalogs, the data is always up to date.

HATEFUL AND CRIMINAL ACTORS

If too much data is exposed for the future value of the Bitcoin and therefore, people get to only win from it, then it will deminish its value.

DATA

Yes, dependent on the available data which is extracted from the housing website. The limits are clear to me, so the technology will be made with the awareness of these limitations and the users will be notified about them before beginning their experience with the application.

FUTURE

The housing price predictor can be an important appliance for people. There is a lot of futire benefits for society.

PRIVACY

The technology will take data set, consisting only of the housing features, such as type, price, postcode, livin area, rooms.

INCLUSIVITY

Yes, of course, the project is biased because there is one version for all users.Therefore, there can be only one subscription.

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QUICKSCAN - CANVAS - HELPSIDE

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HUMAN VALUES

How does your technology affect the identity of users?

To answer this question think about sub questions like: Can the technology be perceived as stigmatising? Does the technology imply or impose a certain belief or world view? Does the technology affects users' dignity? Is the technology in line with the person the user wants to be perceived as?

TRANSPARENCY

How is it explained to the users about how a technology works and how the business model works?

Is it easy for users to find out how your 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 business model works?

IMPACT ON SOCIETY

What is the challenge at hand? What problem (what 'pain') does this technology want to solve?

This technology is designed to solve a problem. That is why it is important to exactly define which problem this technology is going to solve. Can you make a clear definition of the problem? What 'pain' does this technology want to ease? Whose pain? The problem definition will help you to determine and discuss if you are solving the right problem.

STAKEHOLDERS

Who are the main users/targetgroups/stakeholders for this technology?

For the Quick Scan, you only have to list the stakeholders. Can you think of the people that are directly or indirectly affected by this technology? There are a lot of stakeholders that are obvious (like users) but we invite you also to think about the less obvious ones. Missing a stakeholder can have great consequences.…

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.

HATEFUL AND CRIMINAL ACTORS

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

Can you imagine ways that this technology can or will be used to break the law? Think about invading someone's privacy. Spying. Hurting people. Harassment. Fraud/identity theft and so on. Or will people use this technology to avoid facing the consequences of breaking the law (using trackers to evade speed radars or using bitcoins to launder money, fo…

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. Data is always subjective. Data collections are never complete. Correlation and causation are tricky concepts. Data collections are often biased. Reality is way more complex than a million datapoints. Are you aware of these issues? How does this technology take these issues into account?…

FUTURE

What could possibly happen with this technology in the future?

Discuss this quickly and note your first thoughts here.

PRIVACY

Does this 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. 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 this technology collects special personal data (like health or ethnicity) you should be extra…

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 wascollected, 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 youknow this is not the case? Be critical. Be aware of your own biases.

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