



NAME: Ai lip reading model

DATE: May 1, 2025 1:22 PM


DESCRIPTION OF TECHNOLOGY

The model can predict what the person is saying by only looking at the lips of someone.




HUMAN VALUES


Making sure that the model is not biased to one group and ensures that the technology is used in a manner that promotes human dignity, autonomy and privacy

TRANSPARENCY

Tell the stakeholders better how the AI comes up with a decision, so more in detail. And explain how this model works to the stakeholders and users.

IMPACT ON SOCIETY

Based on the questions and concerns raised, improvements to lip reading technology could include ensuring diverse training data, evaluating performance across different demographic groups, minimizing energy use, considering ethical and privacy implications, expanding applications, and improving accuracy and efficiency through advancements in machine learning.


STAKEHOLDERS

1.Ensure accessibility for all individuals


2. Consider employment impact and take steps to mitigate negative effects

3. Promote equitable distribution of benefits and costs


4. Engage with stakeholders throughout development and implementation

SUSTAINABILITY

Promote the recycling and responsible disposal of materials used in the technology.

HATEFUL AND CRIMINAL ACTORS

To mitigate the impact of bad actors on lip reading technology, improvements could include implementing robust security measures, developing and enforcing ethical guidelines and regulations, conducting regular audits, educating users and stakeholders, promoting transparency in data collection and use, and engaging with diverse groups of stakeholders.

DATA

1.Ensure diverse and representative data is used for training and development.

2.Implement robust data privacy and protection policies.

3. Establish transparent data governance practices for accountability and oversight.

4. Prioritize the protection of individual privacy and responsible data use in data sharing policies.


FUTURE

1. Continuously monitor and assess potential ethical implications.


2. Develop and implement regulations and guidelines for ethical use.

3. Engage stakeholders to ensure societal values are considered.

4. Foster ongoing research to stay ahead of emerging issues.

PRIVACY

Keep the data save in a big database, so it is very hard to get acces to the videos by criminal orginasations. The data that is collected is agreed by the user. And try to as much as possible keep the private information anonymous

INCLUSIVITY

Try to train the model not only on one group but multiple groups of people. So the model isnt bias.

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IMPACT ON SOCIETY



Now that you have thought hard about the impact of this technology on society (by filling out the questions...

If you think about the real problem this technology is going to solve. If you think about the ability of this technology to solve the real problem. If you think about possible negative effects and whether this technology will contribute to a world you want to live in. If you think about all that, what improvements would you make? In technology? In context? In use?...


HATEFUL AND CRIMINAL ACTORS



Now that you have thought hard about how bad actors can impact this technology, what improvements would...

If you think about this technology being used to break the law, or avoid the consequences of breaking the law, or to be used against certain groups, or to attack the truth or to pit certain groups against each other. If you think about all of that, what improvements would you (want to) make? In the technology? In context? In use?...

PRIVACY



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

If you think about this technology invading someone's privacy or collecting personal data and if you think about the way this technology is compliant with prevailing law and mitigates dataprotection risks and concerns. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?...


HUMAN VALUES



Now that you have thought hard about the impact of your technology on human values, what improvements...

If you think about the impact of this technology on human values and needs. If you think about how this technology affects the identity of the user, the autonomy of the user (can the users make their own decisions?) and the health and well-being of the user. If you think about all that, what improvement would you (want to) make? In the technology?...


STAKEHOLDERS



Now that you have thought hard about all stakeholders, what improvements would you like to make? List them...

If you think about all stakeholders of this technology. If you think about stakeholders that are less obvious. If you think about the way certain stakeholders are affected by this technology and if you want to take them into consideration. If you think about all that, what would you (want to) improve? In the technology? In context? In use?...


DATA



Now that you have thought hard about the impact of data on this technology, what improvements would you...

If you think about the limitations of data. Things like subjectivity, incomplete datasets and so on. If you think about the way new insights are handled. If you think about the sustainability of the collection of data or the data that is collected from the users. If you think about all that, what would you (want to) improve? In the technology? In context?...

INCLUSIVITY



Now that you have thought hard about the inclusivity of the technology, what improvements would you like to...

If you think about accessibility to this technology. If you think about built in biases or automatic decisions that may be biased. If you think about who is benefitting from this technology and the diversity of the team that creates the technology. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?...


TRANSPARENCY



Now that you have thought hard about the transparency of this technology, what improvements would you like t...

If you think about the communication on the way the technology works and the businessmodel. If you think about the explanation on automatic decisions that are made. If you think about complaint procedures and transparency on possible negative effects. If you think about all that, what would you (want to) improve? In the technology? In context?...


SUSTAINABILITY



Now that you have thought hard about the sustainability of this technology, what improvements would you like t...

If you think about the direct and indirect energy use and the materials that are used in the technology. If you think about the lifespan of the technology and the hidden environmental impact of the technology. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?...

FUTURE



Impact Improvement: Now that you have thought hard about the future impact of the technology, what...

If you think about an utopian and a dystopian scenario. If you think about the way this technology can change the world. If you think about the consequences of a different party buying your technology. If you think about all that, what would you (want to) improve? In the technology? In context? In use? ...

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