



# Culture of Biometric Surveillance and Human Security

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**Abstract:** This research paper critically examines the cultural discourse surrounding the merger of infotech and biotech in the 21st century. The development of artificial intelligence (AI) and biotechnology has revolutionized the way data is collected, processed, and used. The paper delves into the concept of human hackability, wherein the desires and thoughts of individuals can be predicted, manipulated, and even re-engineered. It explores the potential dangers and implications of this merger, including the surveillance of individuals both externally and internally. The paper discusses the historical, analytical, and critical approaches used to study this phenomenon and highlights the empirical and qualitative nature of the research. The literature review section analyzes the works of influential thinkers such as Adorno, Marcuse, and Foucault, who discussed the power dynamics, cultural industry, and surveillance prevalent in modern society. While they may not have directly addressed the merger of biotech and AI, their insights shed light on the exploitation of individuals through technology and the maintenance of economic dominance. The study further examines the biometric surveillance culture, emphasizing how the merger of infotech and biotech has made humans vulnerable to constant monitoring. It explores the capabilities of algorithms to understand and manipulate human thoughts, actions, and emotions, and the potential implications for democratic processes. The rise of machine learning and artificial neural networks is discussed, highlighting the increasing autonomy and quality of algorithms, surpassing human comprehension. The paper also investigates the elusive market system, technological progress, and their potential to create a dictatorial environment. It argues for a techno-realist approach, acknowledging the pervasive influence of technology in society while advocating for a conscious determination of its speed and direction. The research paper presents a multidisciplinary approach, encompassing historical, analytical, and critical perspectives, and provides insights into the culture of biometric surveillance and its impact on society. It emphasizes the need for critical analysis and the development of social and political models to navigate the challenges posed by this technological revolution. Through empirical and qualitative research, this paper aims to contribute to a deeper understanding of the implications of the merger of infotech and biotech in the 21st century.

**Index Terms - Infotech, biotech, Human Hackability, Surveillance, Cultural Discourse, Transformative Effects, Algorithms, Biometric Surveillance Culture, Power Dynamics**

## I. INTRODUCTION

*“Merger of infotech and Biotech technology is revolutionary and potentially dangerous. Today we have a lot of data on everyone and given the computing power of today, the desires of a human are easily predicted, manipulated, or even completely re-engineered.”*

*(Future/Biometrics)*

Examining the relationship of art with capital, technology, communication and popularity is the main issue of cultural discourse of our time. The development of mass media and technology gave birth to the concept of 'popular culture' in the 20th century. This popular culture that has flourished in industrial societies has been targeting so many people during the last hundred years in its definition, its texture and its goal. At the same time, men's domination over the natural world has gradually led them to control the social world. The concept of 'progress' has turned into a kind of bestiality. Science and technology have become instruments of dehumanization. This rationale has emerged in its barest form in the form of technology-based totalitarian autocratic societies.

At the threshold of the new century, a man is shocked and wondering whether technology will be able to solve all problems of his life in the future or will cause his degradation? Will the future make his dreams come true or they will disintegrate like broken glass, the ideological sun that rises in the new century will be more illuminated or dark? Because as much as our knowledge is increasing, our faith and skepticism also are increasing. If our predictions are not as much false then doubtful are becoming. When, where, how, what happens, nothing can be said with certainty.

In the 21<sup>st</sup> century people are worried for their future, but most scientists are very excited because the things that they had predicted have now succeeded in making them. One of them is the development of Artificial Intelligence and Biotechnology. Earlier we saw that a computer could be hacked and its data could be manipulated. Now it has become important for us to know that humans can be hacked completely. Earlier technology can monitor human beings for 24 hours externally, but today merger of AI and Biotechnology is revolutionary and potentially dangerous. It has a lot of data on everyone and fully able to monitor inside the human body and the desires of a human are easily predicted, manipulated, or even completely re-engineered.

In the past, man had learned to control the outer world but he had no knowledge about control inside the body. They knew how to avoid any natural calamity, but they did not know that the age of man is increasing and they are getting old, how to prevent their body from getting old. We had learned to create new means to make agriculture fertile, but there was no knowledge about how to create a mind. If there were any flying insects buzzing in our ears and interrupting our sleep, then we knew how to hit them, but any thought in our mind kept bothering us and it kept us awake all night. Many people did not know what was the solution to that idea. But the revolutions of biotech and infotech would provide humans the power to control them, which will also enable them to prevent their bodies from getting old. Humans will learn to create brains, manipulate ideas arbitrarily, and extend their life.

On the other hand, to make it successful today, we are developing such excellent algorithms that use uncommon computing power and massive data-stores such as Google, Amazon and Facebook, these algorithms are just not enough to know how you feel but they also know innumerable other such things about you, which you do not even know. As a result, you should stop listening to your feelings with ears and listen to these external algorithms instead. When Algorithms already knows not only how everyone is going to vote, but also the underlying neurological reasons why one person will vote Democrat, while the other person will vote Republican. In this situation does any relevance of holding democratic elections? Where the order of humanism was that 'listen to your feelings.' Data-ism now says 'listen to algorithms.' They know how you feel.

Therewith, with the rise of machine learning and artificial neurological networks, more and more algorithms are developing on their own, increasing their quality and learning from their own mistakes. They analyze such a vast amount of data that no human can contain them, and are learning to recognize such procedures and adopt strategies that are beyond the grasp of the human mind. Algorithms may be initially developed by humans, but as soon as they are developed, they start functioning.

The upheaval of industrial revolution gave birth to unique ideologies of the twentieth century. At the same time, the upcoming revolutions in the field of biotech and infotech can demand new things. Therefore, it is possible that the next decade is known for intensive self-research and forging new social and political models and we cannot ignore the fact that technology has entered every aspect of our life and society. There is no path return to the 'stone age' by declaring it destructive and human-deficit. We can determine its speed and direction only by becoming a techno-realist.

This research critically analyzes the culture of biometric surveillance as to how the merger of infotech and biotech today has made humans completely hackable. Through this, it is known that what is going on in the human mind, but on the other hand it can also create other things according to itself. It is so capable that it can sell a production to a human being as well as a politician. Also, focuses on the rise of AI and biotechnology has certainly changed the appearance of the world, but this thing does not claim a single definitive result they are like possibilities, not predictions. Along with this, the paper tries to investigate the elusive system of the market, the progress of technology and its dictatorship by taking the help of some thinkers. Although, these thinkers directly do not talk about merger of biotech and AI, but their views are important because they were also facing challenges like ours this may include exploitation of people through technology, whether it involves human becoming 'Irrelevant' or by some people whose economic dominance is maintained.

This study uses mixed methods such as historical, analytical and critical approaches as well as this study is empirical as well as affective and qualitative.

## **II.LITERATURE REVIEW**

Biotechnology and artificial intelligence are mainly based on algorithms, data and computing power. It detects data and information related to the activities of individuals by biometric sensors and analysing them by computing power. This technology was first developed in medical science for the treatment of major diseases like cancer and the human species never thought that this technology would go ahead and monitor the activities outside and inside the human body. Today it is being used by large private corporations and the government, to monitor the activities of the people all the time. Biometric sensors can be installed externally and internally on people, and biological processes can convert it into electronic information and be collected. The result is that an external data-processing-system can infiltrate all human aspirations, decisions, and perceptions by finding sufficient biometric data and appropriate computing capability and discovering who you really are?

## **III.DEFINITION**

There is no single definition of it. All people have different views on it, but one thing is common that it is considered a combination of AI and biotechnology which collects data related to human activities by algorithms and biometric sensors and analysing them by computing power to constantly monitor human activities and emotions. It is also capable for penetrate completely into the human body. And through algorithms it can know what individuals are doing, watching and reading. Simultaneously manipulating human brain and can change your thoughts.

Adorno was fighting the growing market forces, advances in technology and its dictatorship in the forties. He was mainly identifying the changes in the basic structures of capitalist societies in the years after the end of the World War and telling the people that this is a better time, but it is also dictatorial, in the developed capitalist societies production strategies, management system and the latest techniques of propagation have covered the entire human life. Today culture has taken the shape of industry and has surrounded all the secluded places of human consciousness from all around.

On the other hand, Adorno wrote in his book 'Negative Dialectics' that the crisis of logic is the core of the social crisis of intellectualism. Rationalism has come in the form of a myth in the current era. Taking these questions, he returned to a basic concept of Plato. Plato sought coordination between intellectualism and social utility only as an intangible wish. He knew that historically there could be no coordination between them. Philosophy or rationalism can only be positive in the abstract sense. Their concrete program is to always play the role of a counterpart in the whole world. Therefore, in the 20th century, this non-critical face of science and intellectualism has given power to established systems. Adorno sees this practical utilitarianism of science as a distorted culmination of the great traditions of the Enlightenment era (Adorno T. W., 1966).

He also argues that both society and culture should together create historical wholeness. It should be such a completeness that under it, any search for freedom in the society is inseparably linked with the pursuit of enlightenment or exorcism of human beings in the culture. But this did not happen, instead it enslaved man. The best example of this the torture camp built by the Nazis. And we can see a moral degradation of the Enlightenment-era tradition. It represents an ever-increasing control system, as well as creating such irrationality where all the scope of dialogue ends.

In his other book 'Dialectics of the Enlightenment' Adorno goes on to point out that the so-called rationality that came with modernity has not freed humans from their mythical past. Today, man has not dominated the natural world but he has captured all the people of the society through his supervision. Therefore, science and technology have now become instruments of dehumanization process because technology is put forward as an absolute and autonomous power. People who have a large amount of capital and whose resources have economic control. On the basis of these, technology establishes control over society and any argument given about technology becomes a logic of the strategy of establishing domination. But this truth is never mentioned (Adorno M. H., 1944).

Herbert Marcuse, in his book 'Negations; essays in critical theory', objected to science becoming completely objective truth and says that science has lost its critical character in the modern era. Rationalism rooted in science has, in its ultimate culmination, fallen into an objective irrationality. Since rationalism has lost its essence, that is, the tone of disagreement, it has now become a tool to maintain the overall accumulated social structure. At the same time, supremacist forces use culture as a political weapon through which the authorities control the private 'space' of human consciousness. The methods of planning, deceit and manipulation continue to work in the making of cultural forms. The mass media make a dangerous form of power acceptable in public. They give legitimacy to collective prejudices and hatreds on a socio-scientific basis. Mass media is a monstrous tool upholding the ideology of the ruling-class that kills both the old bourgeois individualism and the revolutionary consciousness of the proletariat. Marcuse saw that culture is like a huge industry in every society, where the purpose of all cultural action is to keep the reality of social injustice covered and to make the entire mass society indifferent to its basic rights, fulfillments and moral preoccupations and in its obsession One is composed to oblivion (Marcuse, 1968).

#### IV. BIOPOLITICS AND SURVEILLANCE

Foucault was the first person who examined the power relations of the society in deeply and made the world aware of them. Although, he does not talk about the surveillance system of AI and biotechnology but he does talk about biopolitics and surveillance through which we can understand today's surveillance system very easily. In the 'Power Knowledge', Foucault argues that the whole social, cultural, and political life is tied to a complex structure of power relations. The power system does not forcefully involve us in its game. We automatically remain a part of this phalanx because we imbibe its standards, norms and values. This system of power penetrates and works within us. The real power system is hidden in the ways in which social systems are created, human behavior is formed, circumstances are controlled and a special structure of knowledge is brought down within the mind and heart of man. The power game is in the entire social system that touches the existence of people, takes them in its circle and expresses itself in their actions and tendencies. Along with this, it also penetrates into the discussions, learning processes and everyday lifestyle of individuals. This power seizes people's lives through the microscopic cells of their system, controlling their thinking. The government makes people follow rules by making rules and laws, and the reasoning behind it is that it is to make your life right. Those who do not follow them are punished (Foucault, Power/Knowledge: Selected Interviews and Other Writings 1972-1977, 1980).

In the 'Discipline and Punish', Foucault said that in modern disciplined society, control is maintained in three ways. Through continuous monitoring by a hierarchical system; by standardization of things and by testing. According to him most of the time, people learn to be in control only by being vigilant. The Panopticon System developed by Jeremy Bentham was adopted to monitor prisoners in jails in the 19th century. In a way it is applicable to the whole society today. The control tower is in the center. The guards present in it can monitor the rooms created in a row around the tower, the captives kept in the cells do not see the guards in the control tower. They feel that they are being constantly monitored. Gradually it comes in his nature. They themselves get used to monitoring their conduct. In our time, the functioning of the power structure in the wider society is similar to this. The entire modern society is like a huge prison (Foucault, Discipline and Punish: The Birth of the Prison, 2012).



## V. GEORGE ORWELL NINETEEN EIGHTY-FOUR AND 'THOUGHT POLICE'

If we turn the history of the Nazi era, we will find a word "cleansing", which was used in reference to the cleansing of the Jews. This word is used in both the meaning of cleansing and cleaning. You will find a reference from their settlements to the cleansing of the breed. Clearing any part of the population systematically is called 'cleansing'. In the context in which the term cleansing was used in the Nazi regime and the way this purification campaign was implemented, we should read any page of George Orwell's novel 1984. In it a thing called 'Thought Police' will be found. In his novel, Orwell is imagining an institution by this name that knows the idea emerging in the mind of every citizen, keeps an eye on it. No citizen can think against the party, cannot write, cannot speak. Microphones and larger telescopes are installed everywhere. Someone is watching and listening you from behind these screens. Thought police does not want any kind of feeling in any citizen or human being living in society even if that feeling is full of happiness. The party has complete control over the feelings and activities of all citizens. (Orwell, 2003).

Earlier it was just a science 'imagination', no one knew that the revolution of AI and bio engineering can make it successful. Through which complete control over human body can be established. But today it has been present in front of us which can also keep a watch on us and also tamper with our body. But today human beings are facing many problems due to this.

## VI. HUMANS ARE FACING THREE MAJOR CHALLENGES IN TWENTY-FIRST CENTURY

Today, we do not know where we have stood for surveillance because it is constantly increasing and we do not know what will happen in the upcoming years. Earlier, what we were considering as scientific imagination, today it has become an old news. Now we do not have any idea how we are being monitored but it is happening. And because all of this in the 21st century, humans are mainly facing three big challenges such as nuclear war, climate change and technological disruption.

We can stop nuclear war and climate change, but the continuously progress of AI and bio-engineering will change the whole world as much as other things will not change and we cannot stop its dangerous effects. Today humans have become fully hackable and it is becoming successful by the government and large corporations. They have lots of data about human activities from birth to death like what is man doing, going and buying. The government can know about all these things very easily because our Aadhar card, PAN card and a bank account are all connected with the biometric sensor, through which information of every human activity is kept available to the government. A few decades ago, humans were monitored externally, but now AI and bio-engineering have given enormous power to the government and large corporations through which they can know what is going on inside the human mind as well as they can change it. Two things have made it successful. A huge amount of data related to human activities and a huge amount of computing power to analyze these data. Never before in history has it been possible to completely hack human beings because the government and large corporations did not have a huge amount of data related to human actions nor computing power (Harari, Homo Deus: A Brief History of Tomorrow, 2017).

Today, it is the first time in human history that technology has made it possible to monitor all people simultaneously at all times. 40 years ago, the KGB (The Committee for State Security) was unable to monitor 24 million of its people 24 hours, nor did the KGB have the capability to effectively handle all the information received. The KGB had to depend on human agents and it was not possible to appoint one person to monitor every citizen. But now governments can believe on infallible sensors and powerful algorithms rather than individuals. For example, many people are using Fitbit today. It continuously measures their blood pressure and heart rate by biometric sensors which shows what kind of activities are continuously happening in humans' body (Harari, Financial Times, 2020).

Today, Facebook, Twitter, Instagram, Amazon and Netflix are constantly monitoring humans, and AI and machine learning are making this primarily possible. All these apps monitor the activities of humans such as what they are searching, studying and what things their mind is enjoying. They collect information related to all these activities and make them available to the humans as they want. Individuals can protect themselves from legal police but not from monitoring these apps. For example, individuals surf the web, watch videos on YouTube and read messages on social media. These algorithms silently monitor and analyze them. People do not have idea that someone is monitoring them. All this information is worth billions of dollars. There are several examples of this like, Amazon and Netflix. A person wants to a white shirt for himself, about which he has already decided in his mind what kind of one to bought. He searches on the Amazon and it is provided him a lot of white shirts which is better than what he has already decided. Now he does not buy the shirt what he has already decided in his mind but he buy a shirt which Amazon wants to sell him.

On the other hand, we can see Netflix, we watch many movies on Netflix and it continually monitor our activities like which movie we are searching, which movie we are watching the most and which movie we are left in the middle. Behalf of this data, Netflix can know our like or dislike and provide us a movie list which is totally based on our choice. But the most important thing is that we can lie an other people that we have seen this movie completely but we cannot lie technology.

Scientists are constantly working on how humans make decisions and as their knowledge increases, the faith of people will shift from humans to algorithms. On the one hand, these data will infiltrate the decision-making process of humans and increase the confidence in the algorithms. On the other hand, the feelings of humans will become less reliable. Just as the government and private enterprise will be able to infiltrate the 'how man works', the market and its advertising tactics will take the man fully into its grip.

## VII. THE CONTINUITY AND RELEVANCE OF LIBERALISM IS COLLAPSING

John Locke is the father of liberalism and gives people three rights to their lives such as life, liberty and property. Always believe in human rationality and claim that human beings are rational and they know what is wrong and right for themselves. In his famous book 'The First & Second Treatises of Government' he argues that all sovereignty is included in man and is expressed in different free wills, aspirations, sensations and nature of selection (Locke, 1823). Liberalism says that in a democracy, the voter knows his leader very well and therefore believes in democratic elections. Humans are a rational being and knows their benefits and losses, therefore the customer is always right in the market, so liberalism believes in free market. Liberalism is a claim to freedom of the individual and always encourages people to believe their own voice in their personal matters, to be true to themselves and to follow their own ideas until they violate the freedom of others. They believe in human rights because it involves individual freedom but their faith in them is neither natural nor very ancient.

For a long time, people believed that the source of sovereignty is not the freedom of man but divine law, and therefore the voice of God should be obeyed instead of the freedom of man. But after some time, the source of sovereignty became humans, not gods.

Today, in the 21st century, the source of sovereignty has changed once again and it has gone out of the hands of individuals and gone to algorithms. In the beginning, divine dominance was legitimized by religious myths and human dominance was liberalized by liberal ideology, in the same way today, technological revolution has made algorithms the source of domination and has made the notion of freedom of individuals irrelevant. Scientists claim that human experiences are not human unique features of any unique way, nor in any way reflect 'free will'. They considered sensations to be just bio sensory processes that all mammals and birds use to save their lives by breeding. At the same time, feelings are not based on instinct, intuition or independence, but instead they are based on assessment. Therefore, according to scientists, the idea of liberalism is wrong that the feelings of individuals reflect free will. But even after that, trust in emotions remained a good practical idea. Emotion was fine because it constantly gave a man a direction as to what he should study, who should marry and which party should vote. No external system can understand the feelings of individuals better than them. Even if "Spanish Inquisition" or "Soviet KGB" continued to spy on humans, they still lacked the necessary biological knowledge and calculation power to infiltrate the biochemical processes that shape human aspirations and choices.

But today the faith of people is becoming less in liberalism because technological revolutions are posing major threats in front of human beings, which they never thought about. Computer algorithms have begun to understand and advise people about their feelings better than them. Google has defeated "Spanish inquisition" and "KGB". When technology is able to infiltrate and manipulate the human heart, democratic politics becomes a puppet (Harari, 21 Lessons for the 21st Century, 2019).

This technological revolution has made many people unemployed and eradicated their freedom and equality. There was a time when humans used their brains and bodies to get information about things, but now that time has changed because we have completely handed over the responsibility of these information to Google. Today, we have become completely dependent on Google for the smallest information and the ability to find information is over. Today, such a situation has been created that 'truth' is being defined by the results of Google. For example, today we have become dependent on Google Map to find a way while driving. People order Google to show them the road. Like when they reach an intersection, their mind says that they should turn 'right' but Google map wants them to turn 'left'. But after listening to their mind, they turns 'right' and gets stuck in traffic jam and cannot reach for any important work. Next time they follow what Google says to them and turn 'left' and reach their destination in proper time. With this kind of experience, they learn to trust Google. After some time, they start to blindly trust what Google Maps tells them and if their car and phone map does not work, then they do not understand anything. These algorithms create such a dictatorship in which all the powers are limited in the hands of some people, today most people will not be a victim of exploitation but instead of irrelevance.

## VIII. THE DIGITAL DICTATORSHIP IS EVERYWHERE AND HUMAN SECURITY IS NO LONGER RELEVANT

Today the threat is not limited to computer machines, but monitoring systems are more dangerous than them. Now, a lot of monitoring powers have come into the hands of the government and this is their best achievement. Humans today face the "Thought police" included in George Orwell's novel "Nineteen Eighty Four". It was a watchdog regime, in which all persons were monitored all the time. It will not only keep a close watch on the external activities and utterances, but can also keep the inner experience alive by penetrating the skin. For example, North Korea's governing system may use this technology in such a way that in the future all its citizens will have to wear a biometric string that can monitor their actions and speech. Using the ever-increasing understanding of humans and the infinite power of machine learning, North Korea's governing system may be able to know for the first time in history what every citizen of his country is thinking and doing every moment. If humans think anything about Kim Jong, then the biometric sensor will detect the things that are on their mind, such as the angry signals of anger, and the next day they will be in the Gulag.

We know that the North Korean government is isolated and will have to face many difficulties in developing such technology by itself. But it can be purchased from the countries which are proficient in this technology and it can also be copied by the North Korean and other dictators. Both Russia and China are continuously increasing their surveillance equipment. The same thing is being done from America to other democratic countries. Israel's 'Start-up-Nation' has a very vibrant high-tech field and a high-growth cyber-security industry. It is in a deadly confrontation situation with the Palestinians. When the necessary technology comes into the hands of its leaders, chiefs and civilians, they will be happy to set up a full-fledged surveillance regime on the west coast (Raska, 2015).

Even today, Palestinians are constantly monitored by Israel. When they make a call, post something on Facebook or move from city to city, they are monitored by microphones, cameras, drones or spy software. The information obtained from this monitoring is analysed with the help of algorithms. Through this, Israel has a lot of benefits because there is no need to deploy a lot of soldiers of the security forces without them knowing the coming threats. We know that Palestinians can govern some cities and villages on the west coast, but Israelis have control over the sky, cyberspace air routes.

AI has enabled this thing today that a lot of information can be processed at the central level. This makes centralized systems more effective than decentralized ones because the more information that machine learning processes, the better it can work. If a human being ignores all the privacy concerns and centralizes all the information related to a lot of people in a Database, then it can create a better algorithm than that. For example, a totalitarian government can say to all its citizens to have their own DNA scans and share their medical data with a central agency. So in the field of genetics and medical-scientific research it will gain more profit from those societies in which medical data is completely confidential.

As soon as the algorithms start to know humans very well, the government can get complete control over its citizens. And the situation can be like 'Nazi Germany where the dictator cannot be opposed. Such a dictatorship will know everything that its people are thinking and feeling. And it can force their citizens to feel the way they wants.

## IX. CONCLUSION

The time for philosophy, religion and science is ending. People have debated for thousands of years about the meaning of life. We can no longer continue this debate till time immemorial. The ecological crisis looming on the head, the increasing danger of mass-enhancing weapons, and new technologies that create anarchy will not allow it. Possibly the most important thing is that AI and biotech are giving the power to give a new face to the life of human beings and re-create them. Philosophers are very patient people, but engineers have much less patience than them and investors have the least patience. If you do not understand how to use this power of forging life, then the powers of the market will not wait for your answer for a thousand years, but the invisible screws of the market will force their own blind force on you.

Today liberalism is losing its relevance at a time when the revolution of infotech and biotech are presenting several threats in front of people which humans has never faced earlier. In recent years governments and corporations advanced technologies are being used to monitor people, their activities and manipulate them. And if we are not careful, this may prove to be a major turning point in the history of epidemic surveillance. Not only because the countries which have refused to seek their help till now will use them normally, but because the surveillance which used to be secretly before, will now be openly. Until now, when our fingers touched the screen of our smartphone and clicked on a link, governments would try to know what kind of link our fingers clicked. But now the field of interest has changed. Now governments want to know about the temperature of your fingers and the blood pressure under its skin.

Today every person is being monitored for 24 hours on the activities of individuals through biometric sensors. The data obtained from it is collected and the government analyzes it. And before you know, this analysis method will know where you went, who you met and what you were searching on Google. This would legalize a very dangerous surveillance system. For example, I did not click on the NDTV link and clicked on a link in India TV News and it tells you a lot about my political views and maybe even my personality. But when I watch some video clips, during that time if the government can monitor my body temperature, blood pressure, and heart rate, then it can come to know Anger, happiness and love. They all are biological things. The same technique that detects anger also detects laughter. If the corporations and governments of the world start accumulating our biometric data on a large scale, then they can know about us much better than us and after that they can not only predict our feelings but also manipulate those feelings. And they can sell whatever they want to us - whether it is a product or a politician. The combination of InfoTech + biotech can soon eradicate freedom, equality and personal privacy completely. Algorithms can create a digital dictatorship in which all powers will be hands of a small elite. Today most people are suffering from irrelevance rather than exploitation.

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