



# The threat that Artificial Intelligence poses to Democracy and Autonomy

YUKTA RAI

M.A in Philosophy

Department of Philosophy, University of Delhi

## Abstract:

*We live in a democratic form of government where the freedom to choose and decide is left upon each individual on her own. At least we strive to be independent in the sense that we have the freedom to choose our political ideologies followed up with the government which suits us. With the growing media and Artificial Intelligence where cases have shown that the platforms with strong AI are affecting our lifestyle and not only that through the medium of it, they even hold the capacity to spread whatever they have access thereby creating the consequences that can't be undone, where the government itself has the power to access our data and thus affect our decisions or create conditions where something is imposed on us unconsciously on our minds. The question becomes important, that are we really free? Thereby it calls for some actions on the part of international treaties to put some regulations on the AI giants today.*

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**Keywords:** AI, Democracy, Autonomy

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## 1. Introduction

In this contemporary world of digital enhancement at every step, it became a huge hurdle for human capacity to maintain dignity with both emancipation and authentication, as with the introduction of advancement in technology new parameters of socio-economic and political sectors have set a benchmark up to which human capacity could not even think of. But there are so many factors and areas where an AI cannot understand and decide the faith of humanity, for instance when it comes to taking relative decisions regarding good governance or decision of war-like situation where the ground reality is completely different from technical analysis, there is the time when only human mind can act far better than an emotionless human-generated computer system. The complete debate revolves around this pivot only about how AI influences socio-economic and political balance and how deep its roots are? The pros and cons are not a matter of concern as everything has both affirmative and negative aspects but the matter of concern is its impact on the traditional system of society whether socially, political perspective or economic aspect.

In this paper, we are going study analyzes the entire attire of AI with the spectrum of influence so we can peel out some layers of this nexus of advancement and loopholes. In this paper political system would be our prima facie, in the sub context of analysis, we would be covering the real meaning of democracy and AI, their nexus and their impacts on each other. As the entire spectrum covers both the positive and negative portions this paper had tried to analyze these factors on the basis of studies and researches concluded by scholars and surveys whose references are mentioned simultaneously, so it will also be including the positive range of AI impact over the system.

## 2. What is Artificial Intelligence?

“Francois Chollet, an AI researcher at Google and creator of the machine-learning software library Keras, has said intelligence is tied to a system's ability to adapt and improvise in a new environment, to generalize its knowledge and apply it to unfamiliar scenarios.”

"Intelligence is the efficiency with which you acquire new skills at tasks you didn't previously prepare for," "Intelligence is not a skill itself, it's not what you can do, it's how well and how efficiently you can learn new things."

Artificial intelligence is the ability to adapt, process, learn, etc. At its maximum similarity to the humans. It is under the umbrella of word cognition (Artificial) as it does not include biological reasoning and learning ability. We can consider it as the most advanced computation process which can beat human mind in the data processing. The basic term which has always been associated with computation is algorithm, if we talk about AI and we let algorithm aside then it would be unjust as AI is now completely based on algorithms not only the trending one but the futuristic as well. To understand the scope of AI and its significance let's take a look in the bag of AI which contains the elements which are beyond our expectations.

AI holds an (expert system) containing a chain of complex human programmed algorithms and its rules and regulations. Another part of this series is Machine Learning (ML) which is another nexus of complex algorithms it can be both supervised and unsupervised. If we take it more seriously and progressively and make it (ML) more complex than we can get another system under the umbrella of AI i.e., Artificial Neural Network which is closely picturized like the layering of the human brain-like structures. Now the rate of growth through which AI is propagating seems like in no time it will easily surpass human intelligence and can make alternative options for most of the systems to operate artificially.

The next generation of AI is predicted to be more advanced than this one which simply meant out to be more superior than mankind's expectations. Innovation visionaries, for example, Elon Musk from Tesla Engines, Bill Doors from Microsoft and Macintosh Apple co-founder Steve Wozniak, cautions that super-intelligence is a genuine risk for humankind, perhaps significantly more hazardous than nuclear weapons.

### **3. What is the Democracy?**

There have been many notions and definitions of democracy that had evolved following the time, instead of the fact that the widely accepted notion and concept of democracy is to have originated from Athens in the 5th Century.

"According to Lindell, and Scott (1999), the term originates from the Greek word (demokratia) "rule of the people" which was coined from (demos) "people" and (Kratos) "power" or "rule" in the 5th century B.C".

"Dahl, Shapiro, Cheibib (2003) state that in a representative democracy, every vote has equal weight, no unreasonable restrictions can apply to anyone seeking to become a representative, and the freedom of its eligible citizens is secured by legitimized rights and liberties which are typically protected by a constitution."

In furtherance of this, "Kelsen (1955) and Barak (2006), assert that representative democracy which allows freedom of political expression, freedom of speech and freedom of the press are considered to be the essential rights that allow eligible citizens to be adequately informed and able to vote according to their interests. Popper as cited in Javie (2006) defines democracy in contrast to dictatorship or tyranny."

Now, if we analyze relatively then the outcome which comes out is that the concept of democracy was evolved for the better organization of governance which can make a system with persons participate for people's welfare. It became very much clear that the idea of democracy derives its moral strength – and popular appeal – from two key principles: Individual autonomy and Equality These principles are quite

appropriate, and they help to explain why democracy is such an accepted notion. Of course, we feel it is fair that we should have as much chance as anyone else to decide on common rules.

#### **4. AI with Democracy**

With the enormous utilization of Fake News and the Cambridge Analytica outrage, the overall population knows that AI can hurt majority rule measures. Yet, on its splendid side, can AI assist us with better comprehending and further developing popular government? We've perceived how AI became tricky and unsafe to vote based system paving the way to the 2016 U.S. political decision when camouflaged Russian records and huge quantities of bots acting like people circled political messages on Twitter and Facebook.

The AI and Democracy track investigate the difficulties and openings that lie at the crossing point of governmental issues, law, and AI – past Fake News and Cambridge Analytica. Open Government Initiatives have opened admittance to huge measures of information that political researchers, administrators, lawful specialists, writers, and information researchers adventure to acquire experiences into political and legitimate cycles.

Data firm Cambridge Analytica was employing machine learning to do “behavioural microtargeting” of democratic participants, analyzing their personalities based on online data and customizing campaign ads to meet their vulnerabilities. Vote based system propels reasonableness and cooperation in choosing government authorities. It advances balance between the rich and needy individuals. It doesn't place rich over the poor nor one locale over another space. Everyone can raise their evaluation. Even people that are unintelligent and clueless can participate with just interaction. Majority rules and regulations are the structure that provides the ability to each and every participant of democracy to adequately partake in the public authority of the nation. While computerized reasoning manipulates the popularity-based system which adds more features to the votes of the people who have better training and are well shrewd. AI advances social control, it attacks security, makes detachment and accomplished misalignment between our destinations and the machine.

The majority rules system doesn't isolate anyone dependent on sexual direction, race, etc. Each individual's vote matters a lot to some other person. It helps in making the occupants careful and mindful. Residents of a popularity-based framework are obliged to get taught about open issues, to screen the direction of their pioneers and delegates, and to communicate their own decision. I preferably believe AI to be a danger to majority rule governments over supporting it. Although AI has its ideal conditions as it understands particular tendencies, it can help citizens with making decisions and, by extension, increase participation, it furthermore helps to spot misrepresentation and debasement in the worldwide structure.

Moreover, make way for electronic popularity based, make more solace, and enable a broader cross fragment of society to share. Man-made brain power can be used to check out what people need to state and guarantee their voices are overall clearly heard by their chosen agents. Regardless, man-made consciousness will have a more noteworthy measure of its disadvantages than positive conditions.

#### **5. The problem of autonomy and the death of democracy**

##### ***5.1 Autonomy-Free Will or Preplanned Narrative***

There are two significant highlights of the vote based system which are freedom and liberty. Man-made intelligence undermined these two standards. Races and submissions are continually about human feelings, not levelheadedness, given that popular government included reasonable dynamics.

The option to settle on close to home choices for oneself, the option to keep one's very own data classified, and the option to be left alone are for the most part elements of the essential right of security.

These rights are normally perceived and ensured in many “post-World War II” contracts on common freedoms and are viewed as centre statutes of popular government. The U.S. Constitution by implication perceives the privileges of decisional and enlightening security, albeit such acknowledgement stems generally from legal derivation as opposed to text-based order as we will in no time see, the feeble assurances given protection rights in the U.S. established and legal law welcome innovative and regular attack of those rights. This Part talks about those issues and the additional dangers that AI presents.<sup>1</sup>

“Self-rule comes from the Greek autos(self) and nomos (rule). As utilized by the Greeks.” The term implied political independence. In any case, its radar to popular government presently stretches out to different parts of self-governance including the option to settle on choices “about oneself and one's life”<sup>1</sup> directions, which we call decisional protection. Autonomy is highly related to free will to hold any decision for maintaining human dignity, liberty and integrity. But with the introduction of AI and many other complex algorithms, the penetration is being done by tracking human behaviour and its functioning, with the use of internet input platforms like social media, surveying sites and many other marketing strategies which are designed to especially understand and target the trigger of the human mind for capitalist and monopolist's desire satisfaction.

Here the advent of computation in our most of the private life, made an indirect gateway that can easily bypass the free will or the autonomy factor and make us dependent on the choices which are not even selected by us. So where does the AI support autonomy? Similarly, in the case of democracy, it became very easy to do SWOT analysis of the citizen's desires and make such offers that they won't be able to refuse. Targeting public weakness now became much more visible to all democratic participants which hold both affirmative and negative impacts.

Additions in consumers arousing about the security attacks are coming about because of web based following and information assortment – particularly after the Cambridge Analytica embarrassment – has made a "unpleasantness factor" in the utilization of the web and nexus gadgets. IBM led a review that discovered 78% of customers in the US accept an innovation organization's capacity to ensure its information is "critical." However, just 20 % of buyers "totally trust" the organizations about their information security. In another study directed by Blue Fountain Media, 90% of members were extremely worried about protection on the internet, 116 and yet, 60% cheerfully downloaded applications without perusing the terms of utilization.

Since incredible powers try to control what ought to be self-sufficient choices, protection will keep on dissolving. Computerized reasoning sets out open doors and abilities to additionally dissolve human self-sufficiency. It expands on the accomplishments of "observation free enterprise" to control our utilization and life decisions. In the following segment, we examine how political entertainers utilize AI and the strategies of social publicizing to control citizens and impact decisions.

### **5.2 Undemocratic democracy**

Decisions and submissions are not generally about our opinion but rather about what we feel. vote based system expect that human feelings mirror a weird and critical " opportunity," signifying "opportunity" is a conclusive wellspring of power, and that, while a couple of individuals are quicker than others, all individuals are similarly free. For example, an incompetent cleaner moreover has a decision, therefore on casting a ballot day her conclusions addressed by her vote consider just much as anybody else's. Man-made reasoning will empower us to make calculations that could handle our thinking ability and exercises and, in the future, encourage us better to do anything we do ourselves.

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<sup>1</sup> Manheim, Karl, and Lyric Kaplan. *Artificial Intelligence: Risks to Privacy and Democracy*. 2019.

Even today, we are continuously putting our faith in computation. A considerable number of individuals trust Google as their solitary wellspring of acknowledgement.

AI impacts the association among residents and states. New advancements are furnishing governments with uncommon abilities to screen, track and outline particular people. Without a doubt, even governments in vote based systems with strong traditions of law and order end up allured to abuse these new limits. In states with disconnected organizations and successive denial of basic liberties, AI consciousness systems will without a doubt cause more vital damage. China is a model. Its organization has enthusiastically gotten a handle on AI developments and has set up the world's most progressive observation following inhabitants' step by step improvements and wireless use.

Free and open decisions are the bedrock of American popular government. Yet, as ongoing occasions have made agonizingly understood, decisions can be hacked. We mean something beyond cyberattacks where weak democratic frameworks are entered by "insult unfamiliar entertainers," albeit that most likely happens and stays a significant danger. Maybe, we mean the full cluster of endeavours to undercut or weigh reasonable and free races. Artificial intelligence can both add to the viability of existing endeavours to mutilate casting a ballot, for instance by working with the drawing of manipulated locale, just as set out new open doors for political decision obstruction.

The uplifting news, nonetheless, is that AI can be utilized protectively too as disagreeably. For instance, the champ of the Department of Defense's DARPA Cyber Grand Challenge utilized AI profound figuring out how to overcome cyberattacks. The awful news is that assets conveyed at each finish of this cyberwar are halter kilter, particularly with state-supported cyberattacks. While our enemies are inclining up AI research subsidizing, the United States is cutting it. We are even reluctant to update our political race hardware to more readily oppose cyberattacks. somehow or another, "we are a twentieth-century simple framework, working on DOS."

Counterfeit news was another element of the 2016 decisions that has been transformed into a weapon by man-made consciousness. "Counterfeit news" is a late raised term that depicts an effective substance that is manufactured, mutilated, misdirected or taken outside any connection to the issue at hand. It is normally appropriated over the web and regularly "miniature designated" to influence a specific gathering's conclusions. Fake news, not simply controls choices, it moreover debilitates the switches of democratic government, the most huge of which is a free press. The institutional press had, over the 20th century, made publication principles of objectivity and harmony. In any case, the ascent of advanced distributing permitted numerous new participants – both testing customary standards and press.

One significant disadvantage to AI methods is their haziness. Since the calculations are not straightforwardly made by people, the genuine thinking measure utilized by them might be obscure and mysterious. Whether or not one could scrutinize the machine and ask what computations likewise, factors it used to show up at a particular outcome, the machine may not know. That is on the grounds that neural associations of various layers significant with a considerable number stages are in play at some irregular time, changing their affiliations randomly or heuristically on a millisecond scale. It takes after asking a turtle for what valid justification its species decided to grow a shell. We understand it was flexible, notwithstanding might not have an idea about the specific pathway taken to show up at its current status. Our negligence might be more horrendous than that since we also can't know whether AI is deceiving us concerning thinking measures. In the event that one of the goals altered into Computer-based knowledge is to support human flourishing that might be refined by flabbergasting its human regulators now and then.



### 5.3 Way forward

AI reasoning is changing the world in different habits and is prepared to bring fundamentally even more expansive improvements in humankind, AI has its beneficial outcome too in a majority rule framework. The usage of AI in legislative issues promises to acknowledge and reestablish a more straightforward and delegate popularity-based framework by supporting the connection between government specialists and the people. Government authorities study a person's perspectives using AI-powered data assessment and subsequently suit their points of view to those of the occupants to procure allies. Barack Obama's 2012 official mission, Donald Trump in 2016, and Narendra Modi in the 2014 Indian races are overall prime occurrences of government authorities who adequately used this framework. Maybe the best capacity a lawmaker can have is the ability to pull in electors by displaying their excitement for them and genuinely endeavoring to understand their viewpoint. Such government authorities are phenomenal; nevertheless, with the use of AI in choices, every individual's inclination will get thought with AI calculations interfacing electors and government authorities straightforwardly. Simulated intelligence will connect any hindrance among agents and residents and people will have their points of view examined, further developing the vote-based system.

Definitely, in the complete use of the AI economy, it might very well be possible to decisively expect and restrict the adverse consequences of business cycles. Information driven approach making will make the popularity-based structure work better by empowering the organization to be more responsive to residents and give public administrations the best habits possible. Maybe rather than relying upon individual encounters, irrational senses, befuddled statements of faith, or dangerous tendencies and biases, strategy creators could rely upon information and AI calculations. Artificial intelligence can likewise assist with identifying extortion and debasement in the majority rule framework. It will make the democratic framework more helpful for people which will empower more individuals to take part in the general public.

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