Effects of Artificial Intelligence Decision-Making on Society

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Very good Marim!

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Effects of Artificial Intelligence Decision-Making on Society

Artificial Intelligence (AI) is prevalent and a special technology right now. It refers to the capability of a machine to complete tasks which involve a certain degree of intelligent processing. Today, people are beginning to live in an era of AI, so it is important to learn as much as possible about how it works and what its implications are. However, if people increase their use of AI technology to make decisions in everyday life, how will this affect society? While communication and transportation sector are the two sectors that would potentially be most negatively affected by AI decision-making, medical sector may **benefit** the most.

One significant negative effect of AI decision-making is on the communication sector. Today, many people enjoy using Google, Siri, and social media applications like Instagram, WhatsApp, and Snapchat to communicate with others. However, what they do not consider or realize is that these programs somehow control their choices of friends, purchases, news, as well as websites they are browsing. Some people are concerned that this may govern their daily choices, while others worry about disclosure of their privacy information. In fact, these programs can be manipulated to spy or record users' private information of location, activities, and who their friends and families are. For example, Instagram is used to share photos of people with friends. Combining Instagram with facial recognition software can make this simple social media app into a dangerous spyware in the wrong hands. As a result, people who choose to protest against something such as political or **environmental** issues may face losing their jobs, going to jail, being tortured, and even death.

Another noteworthy negative effect of AI decision-making is on the transportation sector. In particular, autopilot systems have begun to appear with a few countries using them on a large scale. These systems were invented to decrease human errors. In airplanes, they use the pilot

data to adjust and maintain the airplane direction, altitude, and speed. Nonetheless, autopilot systems in their current form are still not foolproof and they lead to new problems and it may cause human losses. This is because they cannot handle complex and unpredictable situations well. Another form of transportation affected by AI is trucking. Self-driving trucks were introduced because the human cost of long hours of driving and focusing were prone to mistakes and high costs. However, the problem with self-driving trucks is that it will replace drivers' jobs. In addition, when humans depend on GPS which is an application of AI, it can lead to a huge number of accidents because of its inaccuracy such as not having enough local information about destinations.

On the other hand, AI decision-making can affect the medical sector positively. Recently, AI has proven to be successful in a variety of applications that are related to healthcare. For instance, doctors, nurses, and other care providers all have to spend much time doing paperwork and dealing with arduous administrative tasks. AI provides solutions such as voice-to-text transcribing, helping to order tests, and prescribing medications. Furthermore, AI-based triage, the diagnostic accuracy proved to be fair. This system asks questions, **analyzes** the answers, and assesses known symptoms and risk **factors**. Although, doctors and other health professionals are capable of higher accuracy, due to the nature of the AI-triage system, it will improve as it continues to learn from its **environment**.

In conclusion, the most negative effects of AI decision-making are on the communication and transportation sectors; however, the most positive effect is on the medical sector. AI decision-making somehow controls people's daily choices and it may cause human losses. However, it helps doctors to save a lot of their valuable time. Generally, there may be some
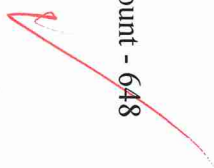
concerns about the way AI affects humans, but whether we agree or disagree, AI is our present

and our future, so it is better to understand the power of it correctly to avoid any risks.

Word Count - 648

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Marim Elhanafy

on Sun, Oct 13 2019, 5:02 PM

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Attachments (1)

Submission_Text.html

Artificial Intelligence (AI) is prevalent and a special technology right now. It refers to the capability of a machine to complete tasks which involve a certain degree of intelligent processing. Today, people are beginning to live in an era of AI, so it is important to learn as much as possible about how it works and what its implications are. However, if people increase their use of AI technology to make decisions in everyday life, how will this affect society? While communication and transportation sector are the two sectors that would potentially be most negatively affected by AI decision-making, medical sector may benefit the most.

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Section 111   Marim Elhanafy 201803468.

Dimension	0 – 1.9	2.0 – 2.3	2.4 – 2.5	2.6 – 2.7	2.8 – 2.9	3 – 3.1	3.2 – 3.3	3.4 – 3.5	3.6 - 4	Score
Content & Relevance; idea development	No relevant content; examples not used; ideas are not developed	Elements of D and F	Some points are related and examples show little relevance to topic; ideas are under developed	Elements of D and C	Most points are topic related and explored; examples are mostly relevant; some attempt at idea development.	Elements of C and B	All points are topic related and explored; examples are relevant; most ideas are logically developed	Elements of B and A	All points are topic related and are explored in-depth; examples are highly relevant; all ideas are logically developed	3.6.
Thesis, Structure & Organisation (signposting)	No thesis, topic sentences or appropriate - paragraphing. Introduction and conclusion are incomplete and ineffective.		Thesis attempted. Inappropriate topic sentences may be present. Paragraphs show poor structure, and lacks cohesion. Introduction and conclusion attempted.		Thesis present but 1 element is missing, topic sentences present but unclear or do not conform to academic conventions. Paragraphs show structure, but may lack cohesion; some ideas may be linked with transitions. Appropriate introduction and conclusion are attempted.		Mainly clear, thesis, which includes supporting points. All Topic sentences stem from the thesis but contain slight variation. Most paragraphs are well-structured and cohesive; most ideas are linked with appropriate transitions. Introduction and conclusion are mainly complete and effective.		Clear, narrow thesis, which includes supporting points. All topic sentences clearly stem from the thesis. Paragraphs are well-structured and cohesive; ideas linked with smooth and effective transitions. Introduction and conclusion are complete and effective.	3.7.
Grammar & Vocabulary	Few accurate sentences. Almost no use of appropriate academic vocabulary. Intrusive and/or inaccurate spelling greatly impedes communication.		Multiple and serious errors of sentence structure. Limited use of appropriate academic vocabulary. Frequent errors of spelling impede communication.		Sentences show errors of structure and little or no variety. Some use of appropriate academic vocabulary. Some errors of spelling interfere with meaning in places.		Effective and varied sentences; some errors in sentence construction. Use of appropriate academic vocabulary. Occasional spelling errors, which do not interfere with meaning.		Each sentence structured effectively, powerfully; well-chosen variety of sentence styles and length. Range of appropriate academic vocabulary. Free of spelling errors.	3.7
Total									(___ /12) x 10 = A (apply length penalty to score out of 12)	
Formatting	4 errors = 0		3 errors = 0.5		2 errors = 1		1 error = 1.5	0 errors = 2	A + (formatting score) = B	2.
AWL Vocabulary	No word = 0				1 word = 0.5		2 words = 1		B + (AWL score) = C C = (student's score)/13	1

Word Count penalty applies to <u>only</u> final draft essays in the following manner: Marks deducted from total out of 12 for over and under specified word limit.
-1 = up to 15 words over or under the range, -2 = up to 30 words over or under the range, -3 = more than 30 words over or under the range. **Quotes/In-text citations** – quotes and in-text citations are not allowed – an essay will receive – 0.5 for each included from the score out of 12 (max. of 1) and the content will not be read

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Very good!

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