A Critical Review of Artificial Intelligence Vs Human Intelligence

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Abstract: This paper provides a comprehensive critical review of the ongoing debate surrounding artificial intelligence (AI) and human intelligence (HI). With the rapid advancement of AI technologies, there has been growing speculation about its potential to surpass human intelligence and its implications for society. This paper examines key dimensions of AI and HI, including cognitive abilities, creativity, emotional intelligence, and ethical considerations. It explores various perspectives on the strengths and limitations of both AI and HI, highlighting areas where AI excels and where human intelligence remains superior. Furthermore, the paper discusses the potential societal impacts of AI advancement, such as job displacement, algorithmic bias, and the ethical implications of AI decision-making. Drawing upon interdisciplinary research and scholarly discourse, this critical review aims to contribute to a nuanced understanding of the complex relationship between artificial intelligence and human intelligence, offering insights for policymakers, researchers, and the general public alike.

Keywords: Artificial Intelligence, Emotional intelligence, Human intelligence, Reasoning, Planning

1. Artificial Intelligence

Artificial intelligence is the intelligence of machines or software, as opened to the intelligence of human beings or animals applications include advanced web search engines, recommendation systems, understanding human speech, self-driving cars, generative or creative tools and competing at the highest levels in strategic games such as chess and GO.

Artificial intelligence was founded as an academic discipline in 1956.The field went through multiple cycles of optimism followed by disappointment and loss of funding,but after 2012, when deep learning surpassed all previous AI techniques, there was a vast increase in funding and interest. The various sub-fields of AI research are centred around particular goals and the use of particular tools. The traditional goals of AI research include reasoning, knowledge representation, planning, learning, natural language processing, perception, and support for robotics. General intelligence (the ability to solve an arbitrary problem) is among the field's long-term goals. To solve these problems, AI researchers have adapted and integrated a wide range of problem-solving techniques, including search and mathematical optimization, formal logic, artificial neural networks, and methods based on statistics, probability, and economics. AI also draws upon psychology, linguistics, philosophy, neuroscience and many other fields.

Artificial Intelligence Example:

AI is on the rise. And not in a creepy way.

While there are legitimate concerns about the rapidly advancing technology, there are also numerous artificial intelligence examples that prove it's shaping the future for the better.

Artificial Intelligence Examples

- Manufacturing robots
- Self-driving cars
- Smart assistants
- Healthcare management
- Automated financial investing
- Virtual travel booking agent
- Social media monitoring
- Marketing chatbots

AI has already made a positive impact across a broad range of industries. It can automate processes to free employees of unnecessary labour, provide personalized learning options for students, enable cybersecurity companies to deploy faster solutions and help fashion companies design better-fitting clothing for their customers. Even ChatGPT is applying deep learning to detect coding errors and produce written answers to questions. And this is only the beginning.

AI Robotics
Today's AI-powered robots are capable of solving problems and thinking in a limited capacity. As a result, artificial intelligence is entrusted with performing increasingly complex tasks. From working on assembly lines at Tesla to teaching Japanese students English, examples of AI in the field of robotics are plentiful.

AI and Smart Assistant
If you've ever asked Siri to help, find your Air pods or told AmazonAlexa to turn off the lights, then you've interacted with perhaps one of the most common forms of artificial intelligence permeating everyday life.
AI is the backbone of smart assistants, which can be accessed through most phones on the market these days and are also being integrated into cars and smart home devices. As of2022, more than 120 million U.S. adults use a smart assistant at least once a month.
Here are some of the companies bringing consumers smart assistants equipped with artificial intelligence.

AI in Healthcare:
Artificial intelligence is proving to be a game-changer in healthcare, improving virtually every aspect of the industry from robot-assisted surgeries to safeguarding private records against cyber criminals.
Healthcare has long suffered from skyrocketing medical costs and inefficient processes. Artificial intelligence is giving the industry a much-needed makeover.
Ai-enabled virtual assistants are reducing unnecessary hospital visits and giving nurses 8 to 16 per cent of their time back in the process; pharmaceutical companies are researching lifesaving medicines in a fraction of the time and cost it traditionally takes; and AI is even being used to help bring advanced healthcare to nations that need it.
Here are a few examples of how artificial intelligence is streamlining processes and opening up.

AI in Finance:
AI and the finance industry are a match made in heaven. The financial sector relies on accuracy, real-time reporting and processing high volumes of quantitative data to make decisionsin areas where intelligent machines excel.
As the industry takes note of AI's efficiency and accuracy, it is rapidly implementing automation, chatbots, adaptive intelligence, anti-fraud defences, algorithmic trading and machine learning into financial processes.
Here are a few examples of how artificial intelligence is changing the financial industry.

The Impact of Artificial Intelligence on Human Being:
Positive impact
There are, however, many positive impacts on humans as well, especially in the field of healthcare. AI gives computers the capacity to learn, reason, and apply logic. Scientists, medical researchers, clinicians, mathematicians, and engineers, when working together, can design an AI that is aimed at medical diagnosis and treatments, thus offering reliable and safe systems of healthcare delivery. As health professors and medical researchers endeavour to find new and efficient ways of treating diseases, not only do digital computers assist in analysing, but robotic systems can also be created to do some delicate medical procedures with precision. Here, we see the contribution of AI to health care.

Fast and accurate diagnostics
IBM's Watson computer has been used to diagnose with fascinating results. Loading the data to the computer will instantly get AI's diagnosis. AI can also provide various ways of treatment for physicians to consider. The procedure is something like this: To load the digital results of the physical examination to the computer that will consider all possibilities and automatically diagnose whether or not the patient suffers from some deficiencies and illness and even suggest various kinds of available treatment.

Social therapeutic robots:

Pets are recommended to senior citizens to ease their tension and reduce blood pressure, anxiety, loneliness, and increase social interaction. Now cyborgs have been suggested to accompany those lonely old folks, even to help do some house chores. Therapeutic robots and socially assistive robot technology help improve the quality of life of seniors and the physically challenged.

Reduce errors related to human fatigue:

Human error inthe workforce is inevitable and often costly, the greater the level of fatigue, the higher the risk of errors occurring. AI technology, however, does not suffer from fatigue or emotional distraction. It saves errors and can accomplish the duty faster and more accurately.

Human Artificial intelligence-based surgical contribution.

AI-based surgical procedures have been available for people to choose from. Although this AI still needs to be operated by health professionals, it can complete the work with less damage to the body. The da Vinci surgical system, a robotic technology that allows surgeons to perform minimally invasive procedures, is available in most hospitals now. These systems enable a degree of precision and accuracy far greater than the procedures done manually. The less invasive the surgery, the less trauma will occur and less blood loss, less anxiety for the patients.

Improved Radiology:

The first computed tomography scanners were introduced in 1971. The first magnetic resonance imaging [MRI] scan of the human body took place in 1977. By the early 2000s, cardiac MRI, body MRI, and fetal imaging became routine. The search continues for new algorithms to detect specific diseases as well as to analyse the results of scans. All those are the contributions of the technology of AI.

Virtual presence

The virtual presence technology can enable a distant diagnosis of the diseases. The patient does not have to learn his/her bed but using a remote presence robot, doctors can check the patients without actually being there. Health professionals can move around and interact almost as effectively as if they were present. This allows specialists to assist patients who are unable to travel.

Negative Impact:

Questions have been asked: with the progressive development of AI, human labour will no longer be needed as everything can be done mechanically. Will humans become lazier and eventually degrade to the stage where we return to our primitive form of being? The process of evolution takes aeons to develop, so we will not notice the backsliding of humankind. However how about if the AI becomes so powerful that it can program itself to be in charge and disobey the order given by its master, humankind?

However, other theorists posit that intelligence can be better understood multiply, not through hierarchically related abilities, but rather through interactively related abilities of roughly equal importance.

S. No.	Feature	Artificial Intelligence	Human Intelligence
1.	Emergence	AI is an advancement made by human insights; its early improvement is credited to Norbert Weiner who theorized on criticism mechanisms.	On the other hand, humans are made with the intrinsic capacity to think, reason, review, etc.
2.	Nature	Artificial intelligence (AI) strives to build machines that can mimic human behaviour and carry out human-like tasks.	Human intelligence seeks to adapt to new situations by combining a variety of cognitive processes.
3.	State	Machines are digital.	The human brain is analogous.
4.	Function	AI-powered machines rely on the input of data and instructions.	Humans use their brains' memory, processing power, and cognitive abilities.
5.	Pace/Rate of AI and human	As compared to people, computers can handle more data at a speedier rate. For occurrence, if the human intellect can solve a math problem in 5 minutes, AI can solve 10 problems in a minute.	In terms of speed, humans cannot beat the speed of AI or machines.

S. No.	Feature	Artificial Intelligence	Human Intelligence
6.	Learning ability	Machines are unable to reason abstractly or draw conclusions from the past. They can only acquire knowledge through information and frequent training, but they will never develop a human-specific thinking process.	Learning from various events and prior experiences is the foundation of human intelligence.
7.	Decision Making	AI is profoundly objective in choice-making because it analyses based on absolutely accumulated data.	Human choices may be affected by subjective components which are not based on figures alone.
8.	Perfection	AI frequently produces precise results because its capacities are based on a set of modified rules.	For human insights, there's more often than not room for "human error" as certain subtle elements may be missed at one point or the other.
9.	Energy Consumption	The modern computer generally uses 2 watts of energy.	On the other hand, human brains use about 25 watts
10.	Modification of AI and Human	AI takes much more time to adjust to unused changes.	Human insights can be adaptable in reaction to the changes in their environment. This makes individuals able to memorize and ace different skills.
11.	Versatility	AI can as it wasperform fewer assignments at the same time as a framework can as it were learning duties one at a time.	The human judgment skills underpin multitasking as proven by differing and concurrent roles.
12.	Social Networking	AI has not aced the capacity to choose up on related social and enthusiastic cues.	On the other hand, as social creatures, people are many ways better at social interaction since they can prepare theoretical data, have self-awareness, and are delicate about others' feelings.
13.	Task	It does the optimization of the system. It cannot be creative or innovative as humans can only think and machines cannot.	It is innovative or creative

How Much Better Is AI Then Human Intelligence?

Is Artificial Intelligence better than human intelligence? The most important topics for our research. Artificial intelligence has a really bad reputation for going in sync with human intelligence. Compared to humans, computers are quicker in various fields. Artificial intelligence has come a long way from just being a science fiction part to reality. Artificial intelligence like chat robots, self-driving cars, smart virtual assistance, social media monitoring and many more are regularly used techniques these days and are included in almost every person's day-to-day business.

The Human Way

Divergent thinking is an awareness that leads in many directions. Some of these are conventional, and some are original as some of the resulting ideas are original, divergent thinking has the potential for decision-making and problem-solving. Originality is not synonymous with creative thinking, but originality is undoubtedly the most commonly recognized facet of creativity. To the degree that tests of divergent thinking are reliable and valid, they can be taken as estimates of the potential for creative thought. Not surprisingly, divergent thinking tests are among the most commonly used in creativity research.

The Machine Way

Software, on the other hand, would take a different approach. It would start at 000000 and go through the numbers in order until it finds a solution. A modern computer can solve this problem in milliseconds. As a result, most operating systems invalidate passwords after a few attempts and gradually delay the next attempt. This is called the "brute force" technique. This is an example of iterative convergent thinking that is fast but ultimately successful.

Artificial intelligence is a game-changing technology, and automation and intelligent workflow will soon become the norm across all industries. Although AI has excelled at imitating intelligent behaviour, it has yet to replicate human thought processes. Whether scientists and researchers can create artificial machines is questionable to "think" like humans anytime soon, because the human thought process is still a mystery. In conclusion, human capabilities will determine the future of artificial intelligence. To this is added human knowledge and consciousness.

Do Humans need AI?

The question of whether humans need AI is a complex and multifaceted one, encompassing technological, ethical, and societal considerations. While AI is not a fundamental necessity like food or water, it has the potential to bring about transformative changes in various aspects of human life. Here, we will explore both the potential benefits and the ethical considerations surrounding the integration of AI into our world.

AI, in its various forms, has already demonstrated its utility across numerous domains. In the realm of healthcare, AI-powered diagnostic tools can analyze medical images and data with incredible precision, aiding doctors in the early detection of diseases and potentially saving lives. AI algorithms can also help researchers sift through vast datasets to identify patterns and correlations that may lead to breakthroughs in medical research.

In industries such as manufacturing and logistics, AI-driven automation can optimize processes, enhance efficiency, and reduce errors. This can lead to increased productivity and cost savings, ultimately benefiting both businesses and consumers. Moreover, AI-powered virtual assistants and chatbots are revolutionizing customer service, providing rapid and accurate responses to inquiries around the clock.

In education, AI can personalize learning experiences for students, adapting to their individual needs and pacing. This has the potential to improve educational outcomes and make learning more accessible to a wider range of learners. Similarly, AI can assist individuals with disabilities by enabling better communication and interaction with the world around them.

However, the integration of AI into society also raises important ethical considerations. One concern is the potential for AI to exacerbate existing inequalities. If not carefully managed, AI could lead to job displacement and unemployment in certain sectors, impacting vulnerable populations disproportionately. Ensuring equitable access to AI benefits and addressing potential biases in AI systems are crucial challenges to address.

Privacy is another critical concern. AI systems often rely on vast amounts of data to function effectively. This raises questions about the collection, storage, and use of personal information. Striking the right balance between the benefits of AI and individuals' rights to privacy requires careful regulation and safeguards.

The ethical use of AI also extends to decision-making processes. As AI systems become more sophisticated, they may influence or even make decisions that have significant consequences for individuals and society. Transparency, accountability, and ensuring human oversight are essential to prevent unintended negative outcomes.

There is also the broader philosophical question of what it means to be human in a world increasingly influenced by AI. Some argue that AI can enhance human creativity and problem-solving abilities, freeing us from mundane tasks and enabling us to focus on more meaningful pursuits. Others worry about the potential loss of authenticity and human connection in a world dominated by algorithms.

2. Literature Review:
Artificial intelligence and the future of work: Humans-AI symbiosis in organizational decision making.

AI has become a significant factor in organizational decision-making, causing concerns about its potential to replace humans. This article emphasizes the complementary of humans and AI, highlighting how each can bring their strengths to complex decision-making processes. AI, with its greater computational information processing capacity and analytical approach, can extend humans' cognition in addressing complexity, while humans can still offer a more holistic approach. This aligns with the idea of intelligence augmentation, which suggests that AI systems should be designed to augment human contributions.

AI can help address uncertainty in decision-making by assisting in interpreting situations and making decisions. It can also help address complexities in decision-making by processing vast amounts of information at a faster pace than human decision-makers. Combining AI big data has opened up new opportunities for dealing with complexity and presents more effective ways of dealing with equivocality

The rise of AI calls for a new human-machine symbiosis, shifting the division of work between machines and humans. While visions suggest machines should handle mundane tasks, this article advances the notion of human-machine collaboration by focusing on the comparative advantages of AI and human capabilities.

In conclusion, AI and human collaboration can complement each other in addressing uncertainty, complexity, and equivocality in decision-making processes. However, evaluating the long-term benefits of AI adoption requires patience and a long-term perspective rather than relying on short-term ROI considerations.

Artificial intelligence for decision making in the era of Big Data- evolution, challenges and research agenda:

Artificial intelligence (AI) has been around for over six decades and has experienced both "AI springs" and "AI winters". The rise of supercomputing power and big data technologies has accelerated AI's expansion, making it an attractive research topic. This paper aims to identify the challenges associated with the use and impact of revitalised AI-based systems for decision-making and offer twelve research propositions for information systems (IS) researchers.

AI is typically defined as the ability of a machine to learn from experience, adjust to new inputs, and perform human-like tasks. The terms AI and AI systems were first introduced in the 1950s and have experienced both ups and downs. With the rapid advancement of big data technologies, AI is being revitalised.

The take-up of AI-enabled systems in organisations is rapidly expanding, and AI is transforming business. The new wave of AI systems has improved an organization's ability to use data to make predictions and has substantially reduced the cost of making predictions. According to Gartner's 2018 technology trend survey, AI is listed as the No. 1 strategic technology.

However, there are limited academic research papers focusing on understanding the use and impact of the new generation of AI from the technology application perspective with rigorous academic investigation and theorization. This research position paper aims to understand the challenges associated with the use and impact of the new generation of AI-based systems for decision-making and identify research opportunities for IS researchers.

In conclusion, as AI has become more popular due to Big Data, advanced algorithms, and improved computing power and storage, AI systems are becoming an embedded element of digital systems, making a profound impact on human decision-making. As a result, there is an increasing demand for information systems researchers to investigate and understand the implications of AI for decision-making and contribute to the theoretical advancement and practical success of AI.

The Role of AI in Drug Discovery: Challenges, Opportunities, and Strategies:

Artificial intelligence (AI) has the potential to revolutionize the drug discovery process by improving efficiency, accuracy, and speed. However, the successful application of AI depends on the availability of high-quality data, addressing ethical concerns, and recognizing the limitations of AI–based approaches.

One key application of AI in medicinal chemistry is the prediction of drug efficacy and toxicity. Machine learning (ML) techniques can overcome these limitations by analysing large amounts of information and identifying patterns and trends that may not be apparent to human researchers. This can enable the proposal of new bioactive compounds with minimum side effects in a much faster process than when using classical protocols.

Collaboration between AI researchers and pharmaceutical scientists is crucial in developing innovative and effective treatments for various diseases. By combining their expertise and knowledge, they can create powerful algorithms and machine-learning models intended to predict the efficacy of potential drug candidates and speed up the drug discovery process. This collaboration can also help improve the accuracy and efficiency of clinical trials, as AI algorithms can analyse data collected during these trials to identify trends and potential adverse effects of the drugs being tested.

However, there are several challenges and limitations of using AI in drug discovery. One key challenge is the availability of suitable data, which may be limited low quality or inconsistent, affecting the accuracy and reliability of results. Ethical considerations must be addressed to ensure the ethical and fair use of AI for the development of new therapeutic compounds.

To mitigate the risks associated with AI in the production of scientific articles, several solutions could be proposed. One solution is to develop AI algorithms specifically designed for the production of scientific articles, trained on large datasets of high-quality, peer-reviewed research, and programmed to flag potentially problematic information. Another approach is to develop AI systems that are better able to evaluate the authenticity and reliability of the information they process, training the AI on large datasets of high-quality scientific articles and using techniques such as cross-validation and peer review.

Role of artificial intelligence and robotics to foster touchless travel during a pandemic: a review and research agenda:

This study aims to enhance knowledge in the hospitality sector by extending the protection motivation theory (PMT) to explain guests' intent to adopt artificial intelligence (AI) and robotics as protective measures during the COVID-19 pandemic. The research agenda includes three dimensions: AI and robotics, cleanliness and sanitation, and health care and wellness. Findings suggest that AI and robotics may bring new research directions in the connection between health crisis and hospitality management, especially during the COVID-19 crisis.

The proposed research areas are expected to propel the knowledge base and help the hospitality industry recover from the pandemic through digital transformation. AI and robotics can revive hotels and re-establish guests' confidence in safe hotel practices. This area will impact practical lessons to the hospitality industry to fight against disruptive situations. This pioneering research incorporates AI and robotics to expand PMT and highlights how behavioural choices during emergencies can bring technological revolution.

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AI is one of the most debated subjects of today and there seems little common understanding concerning the differences and similarities of human intelligence and artificial intelligence. Discussions on many relevant topics, such as trustworthiness, explainability, and ethics are characterized by implicit anthropocentric and anthropomorphistic conceptions and, for instance, the pursuit of human-like intelligence as the golden standard for Artificial Intelligence. To provide more agreement and to substantiate possible future research objectives, this paper presents three notions on the similarities and differences between human- and artificial intelligence: 1) the fundamental constraints of human (and artificial) intelligence, 2) human intelligence as one of many possible forms of general intelligence, and 3) the high potential impact of multiple (integrated) forms of narrow-hybrid. AI applications. For the time being, AI systems will have fundamentally different cognitive qualities and abilities than biological systems.

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Cognitive biases and heuristics are pervasive simplifications and distortions in judgments and reasoning that systematically affect human decision-making. Knowledge in this area may enable us to foresee and reduce the detrimental effects of biases or to influence others more effectively. We therefore performed literature study to assess the influence of personal characteristics (cognitive abilities, expertise, personality, cultural background) on the occurrence of cognitive biases. We found that each of the aforementioned factors can affect cognitive biases, though not much is known about the effects of culture. Also, factors that appear to reduce a cognitive bias may mitigate (suppress or override) its behavioural effect rather than preventing the bias from occurring at all.

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Artificial Intelligence has ameliorated in prominence during the last decade. In practically every area, Artificial Intelligence has had a consequential contribution. It has grown into a tremendous technology that has revolutionized the way human beings communicate and may transform the way human beings look to the future. Nowadays, discoveries in artificial intelligence (AI) that outperform humans in some tasks generate headlines. I exhibit a spiffing updated literature review for Artificial Intelligence. Other works offered domain-specific plus non-comprehensive, as well as shortcomings in their introduction, background information, related work, and discussion and future directions. This research intends to provide diverse AI techniques, which can be implemented to preclude cyber-assaults; Artificial Intelligence and its uses in a variety of fields. This literature review will assist scientists and readers in comprehending the technologies, fields, uses, and applications of AI. Furthermore, in terms of the state of knowledge, introduction, background information, related work, discussion, and future directions, this literature review outperformed previous literature review publications.

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The main purpose of this research paper is to understand how artificial intelligence and machine learning applied to human behavior have been treated, both theoretically and empirically, over the last twenty years, regarding predictive analytics and human organizational behaviour analysis. To achieve this goal, the authors performed a systematic literature review, as proposed by Transfield, Denyer and Smart (2003), on selected databases and followed the PRISMA framework (Preferred Reporting Items for Systematic Reviews and Meta-

Analyses). The method is particularly suited for assessing emerging trends within multiple disciplines and therefore deemed the most suitable method for this paper, which intends to survey and select papers according to their contribution towards theory building. By mapping what is known, this review will lay the groundwork, providing timely insight into the current state of research on human organizational behaviour and its applications.

3. Research Methodology:

Conducting a critical review of Artificial Intelligence(AI) vs. Human Intelligence (HI) is a complex and multifaceted research endeavour. Below I outline a comprehensive research methodology that I have conducted while writing this research paper. This methodology is broken down into several stages, from defining our objectives for conducting the research and the methods we used for collecting the data and analysis.

1. Define Research Objectives:

The first thing is to clearly state the purpose for conducting the research, as our main purpose was to understand the strengths and weaknesses of AI as compared to HI and also to explore ethical and societal implications or identify areas where AI can complement HI. The impact of AI on human society.

2. Literature Review:

We then conducted a literature review of many research papers related to our topic, to understand the current state of knowledge on AI and HI. This helped us to identify gaps in the existing literature that our study can address and helped us to make our research paper more attractive. This also helped us to learn from expert opinion and gave us an idea about what other sub-topics we could include in our research paper.

3. Research Design:

The next thing is to choose a research design, the research design which we have selected was a combination of many methods. We conducted surveys to get people's opinions on AI replacing humans which is known as the survey method, we have also studied different cases related to our research paper which is known as the case study method, we also compared AI vs. HI and this method is known as a comparative study.

4. Data Collection:

We collected our data from academic articles, technical reports, interviews with some experts, surveys, empirical data, and even existing research papers.

For qualitative research, we conducted interviews or focus groups with experts in AI and HI to gather their insights and opinions.

For quantitative research, we designed and administered surveys to collect data from relevant stakeholders.

5. Data Analysis:

After we collected the data, we analyzed the data using statistical and qualitative analysis techniques based on our needs and the one that best suits our research design. We identified different patterns, trends, and differences between AI and HI in various aspects, such as cognitive abilities, decision-making, creativity, and adaptability.

6. Ethical Consideration:

It is very important to address ethical considerations related to research topics such as bias, privacy, accountability, and the impact on the people and society as a whole and to discuss how all these ethical issues may impact the comparison of AI with HI.

7. Discussion and interpretation:

The next thing is to interpret the findings and we highlighted all the key similarities and differences between Artificial Intelligence and Human Intelligence.

We even had a group discussion with our team members to discuss the implications of our findings.

4. Data Analysis and Interpretation:

Conducting a survey is akin to embarking on a journey of discovery, navigating through the terrain of perceptions, opinions, and experiences to unveil insights that illuminate the path forward. In this section, one embarks on the interpretative phase of the journey, where they delve deep into the data collected from the recent survey. Through meticulous analysis and thoughtful reflection, the aim is to distil the raw responses into actionable intelligence, shedding light on the attitudes, preferences, and behaviours of the survey participants. This process is not merely about crunching numbers; it's about deciphering the underlying narrative woven into the data, uncovering the stories waiting to be told. Readers are invited to join in as the complexities of the survey findings unravel, uncovering meaningful patterns and implications that inform decision-making and shape the understanding of the topic at hand.
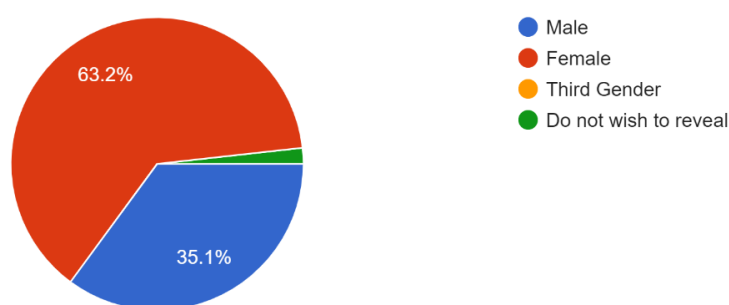
Male- 35.1%; Female – 63.2%; Third gender – 0%; People who do not wish to tell – 1.7%

The rapid advancements made in artificial intelligence (AI) have sparked numerous debates about its potential to replace human intelligence (HI) in various domains. To explore public perceptions on this topic, a survey was conducted, gathering responses from a diverse sample of individuals. The survey received a total of 57 responses, with a majority of the respondents being male (63.2%), followed by females (35.1%), and a small percentage choosing not to disclose their gender (1.7%). Artificial intelligence (AI) is a rapidly developing field that has the potential to revolutionize various industries. However, the advancements in AI have also sparked numerous debates about its potential to replace human intelligence (HI) in various domains. The results of the survey indicate that people have varying opinions on the potential of AI to replace human intelligence.
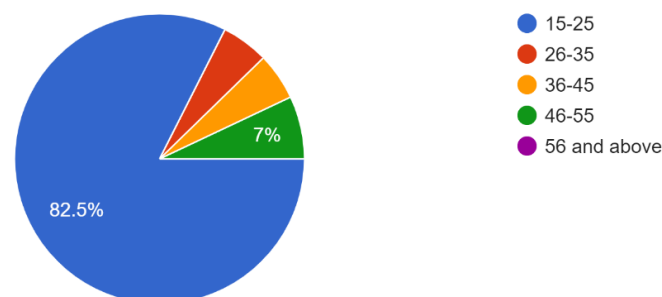

15-25: 82.5%; 26-35: 5.25%; 36-45: 5.25%; 46-55: 7%; 56 and above: 0%

The debate between Artificial Intelligence (AI) and Human Intelligence (HI) has been ongoing for years. To understand perceptions regarding this topic among different age groups, a survey was conducted. The survey included participants aged 15 to 56+ and asked them a set of questions regarding their opinions about AI and HI. The results revealed that the age group of 15-25 had the highest number of respondents at 82.5%. This could be attributed to their familiarity and comfort with technology, as well as their exposure to AI applications in education and daily life. Interestingly, people from other age groups responded with a similar percentage ranging from 5.25% to 7%.
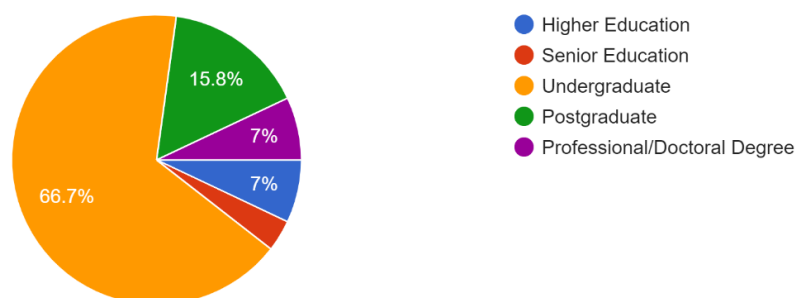
The survey which was conducted received a total of 57 responses from participants. Out of these responses, 66.7% (i.e. 38 people) were from undergraduate students, 15.8% (i.e. 9 people) were from postgraduate students, 7% (i.e. 4 people) were from professionals or doctoral degree holders, 7% (i.e. 4 people) were from higher education students, and the remaining 3.5% (i.e. 2 people) were senior education students. This information provides a detailed breakdown of the demographics of our survey respondents.
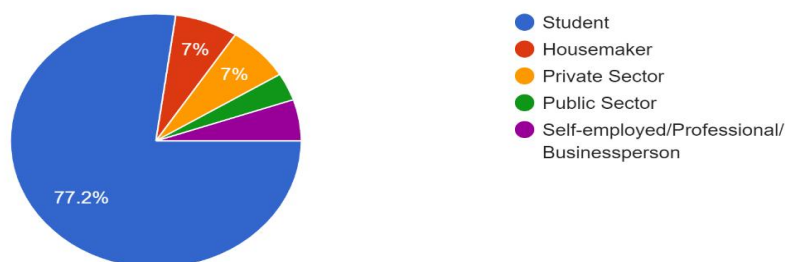

The survey which was conducted aimed to gather comprehensive data on participants' professions and received an overwhelming response from individuals representing various fields. Among the respondents, 77.2% were students, indicating a significant interest in our survey among the student community. Around 7% of respondents belonged to the homemaker category, while another 7% were engaged in the private sector. The survey also received responses from around 6% of individuals who identified themselves as self-employed, professionals, or businesspersons, indicating their active participation in the survey. Additionally, 2.8% of respondents belonged to the public sector, and their responses were valuable in providing insights into the views of public sector employees.

These detailed findings provide a comprehensive overview of the different professions that participated in our survey and their respective percentages. This information will enable us to draw accurate conclusions and

help to tailor future surveys to better understand the needs and preferences of different professions.

To what extent do you believe AI will replace human jobs in the next decade?
57 responses
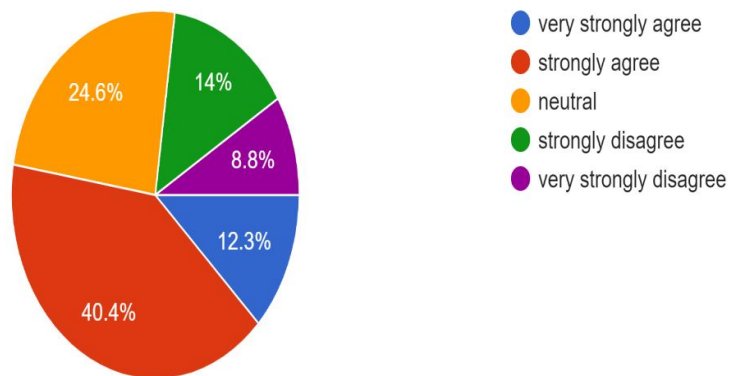
In a recent survey conducted on the impact of artificial intelligence, participants were asked to gauge the extent to which they believed AI would supplant human jobs in the coming decade. Respondents were presented with a spectrum of options ranging from "very strongly agree" to "very strongly disagree."

Among the 57 individuals surveyed, 12.3% expressed a strong conviction that AI would decisively replace human jobs, while 40.4% indicated a strong agreement that AI would indeed assume some portion of human employment. Interestingly, 24.6% of participants remained neutral, signifying uncertainty regarding the future role of AI in job displacement.

Conversely, 14% of respondents strongly opposed the notion of AI replacing human jobs, with an additional 8.8% expressing a very strong disagreement. The survey results underscore a notable division of opinions, with a substantial portion of respondents anticipating job displacement by AI while others harbour doubts or outright disagreement on the matter.

Human Intelligence is more adaptable to new situations than Artificial Intelligence.
57 responses
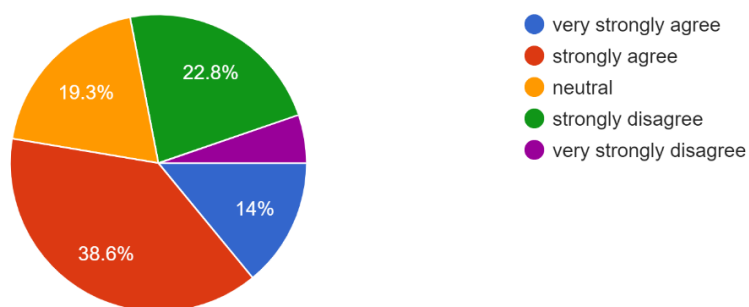
During a survey, participants were asked to provide their opinion on the adaptability of human intelligence versus artificial intelligence in new situations. The options provided to them were very strongly agree, strongly agree, neutral, strongly disagree, and very strongly disagree. Out of the 57 responses received, it was found that 52.6% of people agreed that human intelligence is more adaptable than artificial intelligence, with 14% of people very strongly agreeing and 38.6% strongly agreeing. Meanwhile, 22.8% of people strongly disagreed with the statement, and only 5.3% of people very strongly disagreed. Lastly, 19.3% of people were

neutral and did not take a side. These results suggest that a significant majority of people believe that human intelligence is more adaptable than artificial intelligence in new situations.

To what extent do you agree that the collaboration between AI and HI will lead to more advanced and efficient society.
57 responses
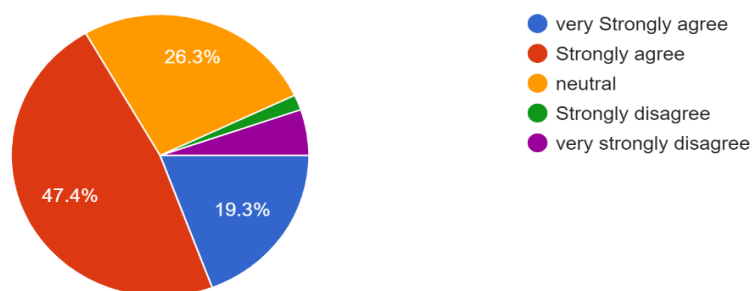
The survey aimed to gain a more in-depth understanding of the extent to which people agreed that the partnership between AI and HI would lead to a more advanced and efficient society. Participants were given a range of options to choose from, including very strongly agree, strongly agree, neutral, strongly disagree, and very strongly disagree. Out of the 57 responses collected, 19.3% of people very strongly agreed, indicating a high level of conviction in the importance of collaboration between AI and HI. Meanwhile, 47.4% of people strongly agreed, suggesting general agreement with the statement. Around 26.3% of people were neutral, indicating that they neither agreed nor disagreed with the statement, and may require further information or clarification before forming an opinion on the matter. About 5% of people very strongly disagreed with the statement, indicating a strong opposition to the integration of AI and HI in society, while the remaining 2% of people strongly disagreed. These results offer valuable insights into the public's views on the potential benefits and drawbacks of collaboration between AI and HI and could inform future research and policy decisions in this area.

Do you believe in the potential impact of AI on employment opportunities for humans.
57 responses
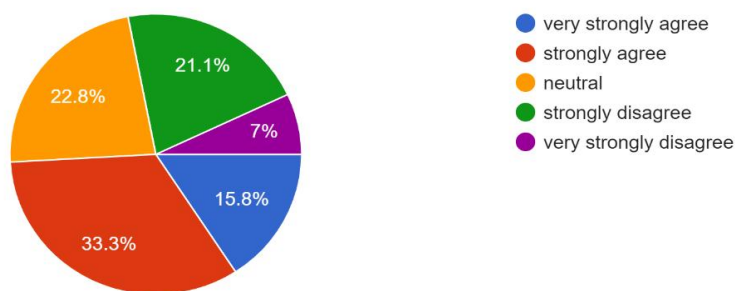
As part of the research, a survey was conducted to understand people's opinions on the potential impact of Artificial Intelligence (AI) on employment opportunities for humans. To make the survey more comprehensive, the respondents were offered five options to choose from, ranging from very strongly agree to very strongly disagree.

Out of the 57 respondents who participated in the survey, it was found that 15.8% of the respondents very strongly agreed that AI will have a significant impact on job opportunities. This group of people firmly

believes that as AI continues to advance, it will have a profound effect on the types of jobs available to people and the skills required to perform them.

On the other hand, a significant proportion of respondents, 33.3%, strongly agreed that AI will impact employment opportunities, indicating that they recognize the potential impact but may not be as convinced as the first group.

A sizable number of respondents, 22.8%, were neutral, indicating that they neither agreed nor disagreed. This group may be unsure of the potential impact of AI on employment or may not have given it much thought.

Interestingly, 21.1% of the respondents strongly disagreed that AI will impact employment opportunities. This group may believe that AI will not replace human jobs or that any impact will be minimal.

Finally, 7% of the respondents very strongly disagreed that AI will have any impact on employment opportunities for humans. This group firmly believes that AI will not have any impact on job opportunities and that humans will continue to have employment opportunities regardless of the advancements in AI.

Overall, the survey results indicate that people have varying opinions on the potential impact of AI on employment opportunities. While some believe that AI will have a significant impact, others are less convinced, and some believe that AI will not have any impact at all.

There is a presence of biases between Artificial Intelligence and Human Intelligence.
57 responses
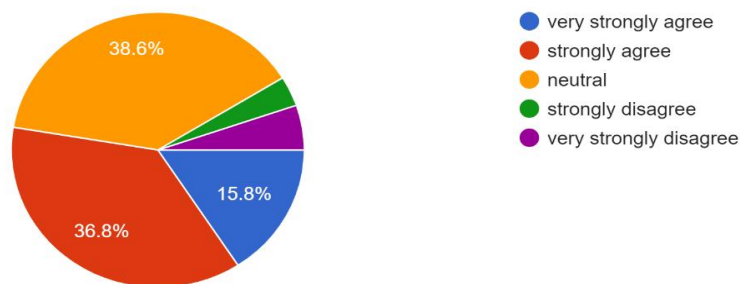
The survey was designed to explore the potential biases that exist between artificial intelligence and human intelligence. The participants were asked to indicate their level of agreement on a scale of "very strongly agree" to "very strongly disagree. "A total of 57 responses were collected from the participants. The findings suggest that 15.8% of the respondents strongly agreed with the statement, while 36.8% agreed with it. Around 38.6% of the participants had a neutral opinion on the topic, indicating that they neither agreed nor disagreed with the statement. However, only about 3% and 5% of the respondents strongly disagreed and very strongly disagreed with the statement, respectively. These findings shed light on the different perspectives that people hold regarding the relationship between artificial intelligence and human intelligence.

AI possess emotional intelligence similar to humans.
57 responses
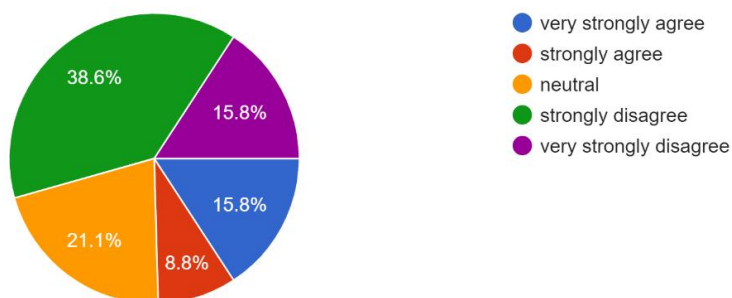
During the recent survey, a question was posed to the participants regarding whether artificial intelligence (AI) possesses emotional intelligence similar to humans. The question was multiple-choice with five options to choose from, namely very strongly agree, strongly agree, neutral, strongly disagree, and very strongly disagree.

Out of the 57 responses that were collected, it was found that 15.8% of the participants strongly agreed that AI possesses emotional intelligence similar to humans. Additionally, 8.8% of the respondents strongly agreed with this statement. 21.1% of the participants chose the neutral option, indicating they did not have a strong opinion.

On the other hand, 38.6% of the respondents strongly disagreed that AI possesses emotional intelligence similar to humans, and the rest of the participants (15.8%) very strongly disagreed with this statement. These findings suggest that a significant portion of the participants do not believe that AI has emotional intelligence similar to humans.

AI performs tasks without being influenced by emotions or personal biases
57 responses

- ● very strongly agree
- ● strongly agree
- ● neutral
- ● strongly disagree
- ● very strongly disagree
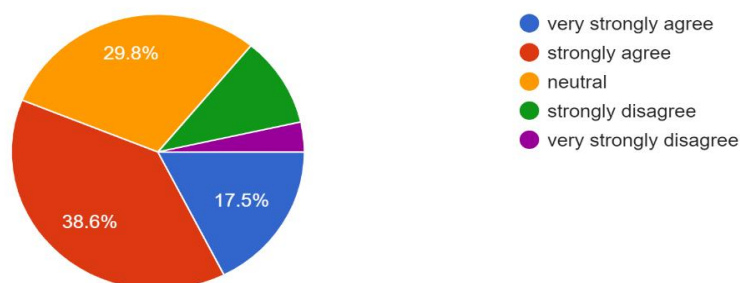
As part of the recent research on the subject of AI's impartiality, a survey was conducted to understand people's views on the matter. The survey presented a series of questions to 57 respondents and asked them to choose from five options ranging from "very strongly agree" to "very strongly disagree."

The results of the survey indicated that a majority of people believe that AI can perform tasks without being influenced by emotions or personal biases. Specifically, 17.5% of respondents answered "very strongly agree," while 38.6% answered "strongly agree." A further 29.8% of respondents chose the "neutral" option, indicating that they were unsure if AI could be completely impartial.

However, a minority of respondents disagreed with this statement. 9.1% of respondents answered "strongly disagree," and 5% of respondents answered "very strongly disagree."

While the majority of respondents believe that AI is impartial, it's crucial to acknowledge the perspectives of those who disagree. Further research and discussions are necessary to address these concerns and create solutions that ensure AI is as unbiased as possible.

In your opinion, should college curricular include mandatory courses on AI and its societal impact?
57 responses

- ● very strongly agree
- ● strongly agree
- ● neutral
- ● strongly disagree
- ● very strongly disagree
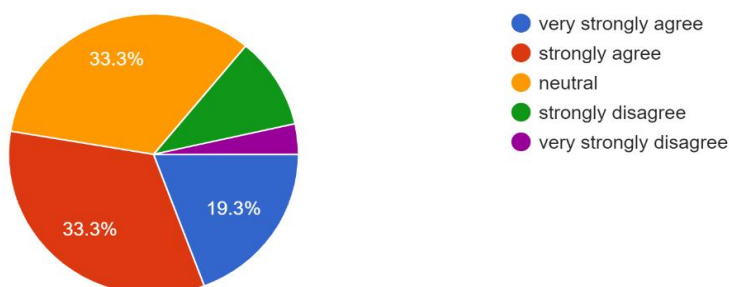
As part of the comprehensive survey, the aim was to gather the opinions of participants on the idea of introducing mandatory courses on AI and its societal impact on college curriculums. To ensure accurate results, the respondents were provided with five options for expressing their views, ranging from a very strong agreement to a very strong disagreement.

Out of the total of 57 people who participated in the survey, it was found that a significant proportion of respondents were in favour of the proposal. Specifically, 19.3% of the participants very strongly agreed with the idea, while a further 33.3% strongly agreed with the proposal. This indicates that approximately 52.6% of respondents were in favour of the introduction of mandatory courses on AI and its societal impact on college curriculums.

On the other hand, a significant proportion of respondents also expressed a neutral stance on the issue, with 33.3% of participants indicating no strong opinion. The remaining respondents had a negative view of the proposal, with approximately 9.1% strongly disagreeing with the idea and the remaining 5% very strongly disagreeing with the proposal.

Overall, the results suggest that there is a considerable level of support for the introduction of mandatory courses on AI and its societal impact on college curriculums. However, a significant proportion of respondents also expressed a neutral or negative stance on the proposal, indicating that further research and discussions may be required to fully understand and address the concerns of those who are not in favour of the idea.

Do you believe that AI can enhance the learning experience in college education?
57 responses
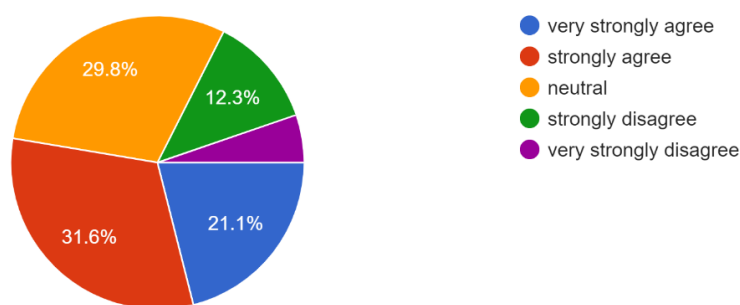
As part of the research, a survey was conducted to gauge people's perceptions of the potential impact of AI on college education. The main question was whether AI has the potential to enhance the learning experience in college education. To obtain a comprehensive understanding of people's views, the respondents were provided with five options to choose from: "very strongly agree", "strongly agree", "neutral", "strongly disagree", and "very strongly disagree".

A total of 57 responses were received, which helped to ascertain people's level of agreement with the statement. Of the respondents, 21.1% of people very strongly agreed that AI could enhance the learning experience. Meanwhile, 31.6% of people strongly agreed, indicating that they believe AI can contribute positively to college education. A significant proportion of respondents (29.8%) adopted a neutral position, indicating that they were not sure about the impact of AI on college education.

On the other hand, 12.3% of people strongly disagreed, stating that they believe AI cannot enhance the learning experience in college education. Additionally, 5.2% of people very strongly disagreed with the statement, indicating that they were certain about the negative impact of AI on the learning experience in college education.

Overall, our results suggest that the majority of respondents (52.7%) were in agreement that AI could enhance the learning experience in college education. However, there was a significant proportion of people who were either unsure or disagreed with the statement. The findings of this survey provide useful insights into current perceptions of AI's potential impact on college education.

Do you believe AI will play a role in shaping your future career?
57 responses
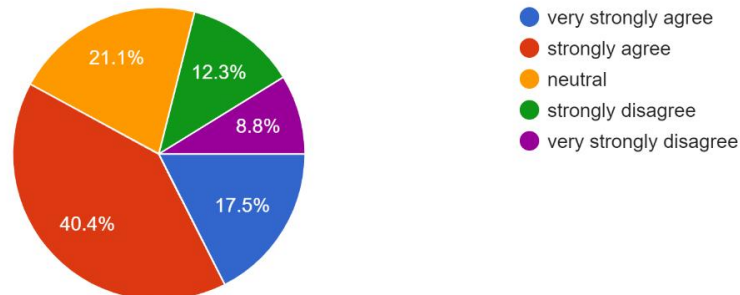
The survey aimed to gain an in-depth understanding of how respondents perceive the role of Artificial Intelligence (AI) in shaping their future career prospects. To achieve this, the respondents were provided with a range of options to choose from, including very strongly agree, strongly agree, neutral, strongly disagree, and very strongly disagree.

Out of the 57 responses collected, 40.4% of respondents expressed a strong belief that AI will play an essential role in shaping their future careers. Additionally, 17.5% of respondents indicated that they very strongly agree with the idea.

However, a small minority of respondents, 12.3% and 8.8%, strongly disagreed and very strongly disagreed, respectively, with the notion that AI will play a part in shaping their future careers. It is worth noting that 21.1% of respondents remained neutral on this topic.

In conclusion, while most respondents believe that AI will play a role in shaping their future careers, a significant proportion of respondents are still unsure or do not share this belief.

To what extent do you agree that AI should be integrated into daily life to improve convenience and efficiency?
57 responses
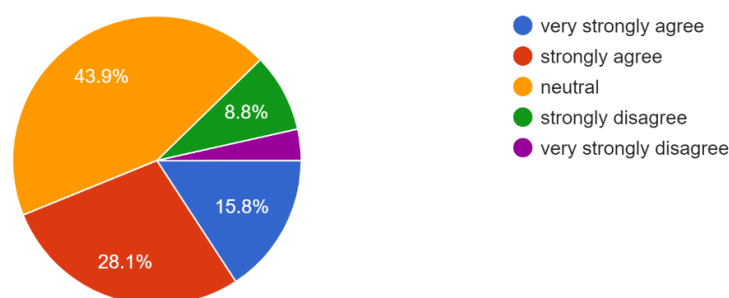
As part of the research, a survey was conducted to investigate the extent to which people agree that AI should be integrated into daily life to improve convenience and efficiency. The respondents were provided a range of options, including very strongly agree, strongly agree, neutral, strongly disagree, and very strongly disagree. The survey was completed by a diverse group of participants from various backgrounds and age groups.

Upon analyzing the responses, it was found that 15.8% of people were in very strong agreement that AI should be integrated into daily life, while 28.1% strongly agreed. This suggests that a significant proportion of people believe AI can offer a range of benefits, such as improved productivity and convenience. However, a

substantial 43.9% of people remained neutral, indicating a lack of certainty or knowledge regarding AI's potential impact on daily life.

On the other hand, 8.8% of people strongly disagreed with the integration of AI into daily life, while the remaining 3.4% were in very strong disagreement. These results suggest that a smaller proportion of people have concerns about the impact of AI on daily life, such as job displacement or a loss of human touch in decision-making processes.

Overall, the survey results underscore diverse opinions and attitudes towards AI integration into daily life. While some people see significant benefits in integrating AI into daily life, others remain cautious or "Skeptical" about its potential impact.

AI executes tasks with high precision and accuracy with minimizing errors as compared to HI.
57 responses
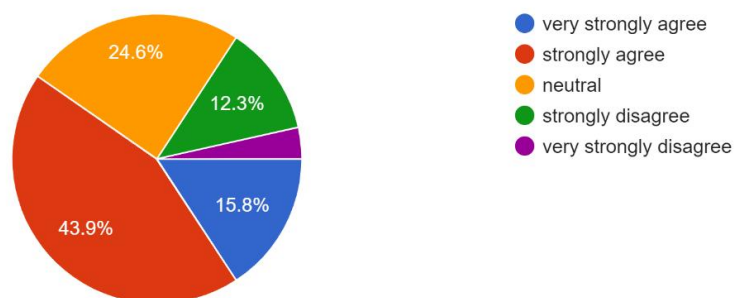
The results of the recent survey shed light on the perception of AI technology among the participants. The survey reveals that a significant majority of the respondents (59.7%) believe that AI technology is highly precise and accurate while minimizing errors, indicating a growing confidence in the technology's ability to assist us in various fields. This is an encouraging trend that suggests that more and more people are starting to recognize the potential of AI in enhancing productivity and efficiency.

However, it is worth noting that a small percentage of respondents (15.7%) disagreed with the notion that AI technology is precise and accurate. Their feedback is essential in helping to identify areas where AI technology needs improvement. It must be taken into account their concerns and work towards addressing them to make AI technology more accessible and beneficial to everyone.

Overall, the survey results indicate that they are moving towards a future where AI technology can help to achieve the goals with greater efficiency and accuracy. Let's continue to work towards building a world where AI technology can complement and enhance human capabilities, making our lives easier and better.

AI can operate continuously without the need for breaks or sleep.
57 responses
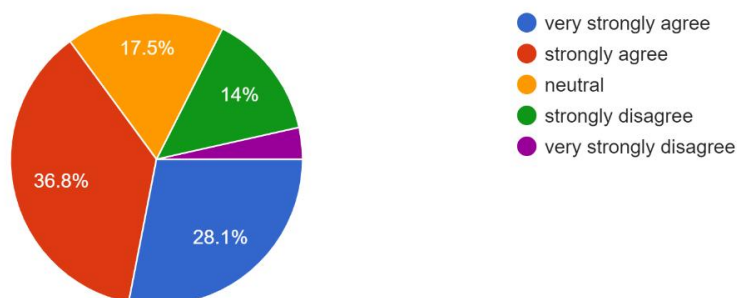
To gain a better understanding of people's perception of AI, a survey was conducted in a study in which the participants were asked to share their thoughts on whether AI can function without the need for breaks or sleep. The survey presented the participants with five options to choose from - very strongly agree, strongly agree, neutral, strongly disagree, and very strongly disagree - and asked them to select the option that best conveyed their opinion.

Out of the 57 responses that were received, it was found that a total of 65% of the participants agreed that AI could operate without breaks or rest, with 28.1% of the respondents selecting very strongly agree and 36.8% selecting strongly agree. On the other hand, 14% of the participants disagreed that AI can function continuously, with 3.6% of the respondents selecting very strongly disagree and 10.5% selecting strongly disagree. The remaining 17.5% of the participants had a neutral opinion on the matter.

This study shows that a significant percentage of people believe that AI can operate without the need for breaks or sleep. However, it is important to note that the opinion is not unanimous, and some believe that AI still requires rest.

5. Conclusion:

The prospect of AI replacing humans is a complex issue that deserves careful consideration from all angles. On the one hand, the development of AI technology has the potential to revolutionize the way industries operate, streamline processes, and encourage unprecedented innovation. The use of automation can improve the efficiency of repetitive tasks, freeing up human resources for more creative and strategic endeavours. However, this transformative power also comes with significant challenges that must be addressed.

One of the most pressing concerns is the potential for job displacement as AI and robotics become more prominent. This requires a shift in the way we educate and train our workforce to ensure that they are equipped with skills that complement AI capabilities, rather than ones that can be easily replaced by automation. This shift in focus is necessary to ensure that the workforce is prepared for the inevitable changes brought about by ongoing technological advancements.

In addition to job displacement, ethical questions also arise, encompassing issues such as data privacy, algorithmic bias, and the responsible use of AI in decision-making. The development of AI technology should be guided by a strong moral and ethical compass to ensure that it is used responsibly and in a way that benefits society as a whole.

To find a harmonious balance between AI and human involvement, collaboration between machines and humans is essential. However, this collaboration must be properly managed to ensure that it leads to amplified productivity and problem-solving. Striking this equilibrium requires thoughtful regulation, ongoing dialogue, and a commitment to cultivating the uniquely human attributes of creativity, empathy, and critical thinking.

In conclusion, while AI's transformative potential is vast, a nuanced and collaborative approach is essential to navigate the challenges and opportunities it presents. It requires a concerted effort to find the right balance between the benefits of AI technology and the need to preserve the uniquely human qualities that make us who we are.

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