RESEARCH ARTICLE

TRANSFORMATIVE INFLUENCE OF ARTIFICIAL INTELLIGENCE ON EVERYDAY LIFE AND EMPLOYMENT

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Abstract:

Artificial Intelligence (AI) has become deeply integrated into everyday life, powering virtual assistants, smart home technologies, transportation systems, and even modern healthcare. This survey seeks to understand how people interact with AI, their perceptions of its advantages, and the challenges associated with its growing presence. It also explores AI's influence on jobs and industries, addressing concerns related to job security, ethical considerations, and workforce changes. By gathering public opinions and real-world experiences, the survey aims to highlight how AI shapes daily routines, impacts career paths, and affects trust and safety in critical sectors such as transportation and healthcare. Ultimately, the goal is to provide a balanced understanding of AI's current role and its potential future in society.

Keywords: Artificial Intelligence, Public Perception, Workforce Transformation, Ethical Considerations, Everyday Life Integration.

Introduction:

Artificial Intelligence (AI) has rapidly become a transformative force, reshaping how we live, work, and interact with the world around us. From smart assistants like Siri and Alexa to personalized recommendations on streaming platforms, AI technologies are deeply integrated into our daily routines. In industries such as healthcare, transportation, and education, AI is driving innovation, improving efficiency, and offering new possibilities (Russell & Norvig, 2021).

However, as AI becomes more pervasive, it raises important questions about its impact. How do people perceive AI's role in their everyday lives? Are they comfortable with AI making critical decisions in areas like healthcare or vehicle automation? In the job market, AI creates both opportunities and challenges—boosting productivity while also sparking concerns about job displacement and the future of work (Brynjolfsson & McAfee, 2017).

This survey seeks to explore these dimensions by gathering insights into how individuals experience and understand AI's presence in daily life and the workplace. By examining these perspectives, we aim to gain a deeper understanding of AI's real-world impact and the opportunities and concerns it presents for the future.
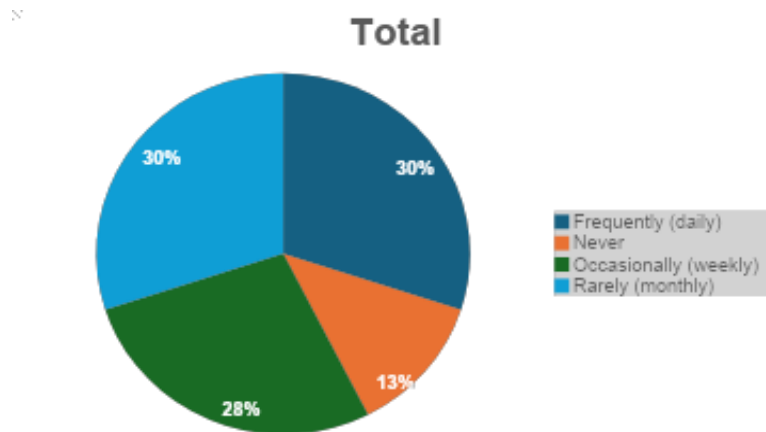
Methodology:

A set of 11 multiple-choice questions was developed, focusing on AI usage in everyday activities, its perceived benefits and risks, and its impact on various industries and employment. Questions covered topics such as AI integration in daily tasks, trust and safety concerns, job market implications, and future perceptions of AI.The survey targets a broad demographic, including working professionals, students, and individuals from various sectors affected by AI.

This methodology aims to provide a comprehensive overview of how AI impacts daily life and jobs, highlighting both opportunities and challenges from the perspective of the general public.

Survey:

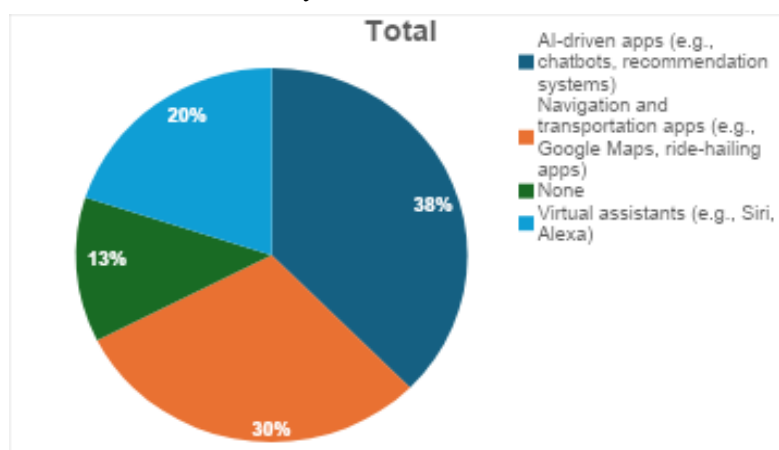Q. 1) How often do you interact with AI in your daily life?

Findings:

- 30% of respondents interact with AI frequently (daily), indicating that AI has become an integral part of their routine.
- 28% use AI occasionally (weekly), reflecting moderate but consistent interaction.
- 30% interact with AI rarely (monthly), suggesting limited but noticeable integration.
- 12% never use AI, indicating either a lack of access or awareness.

This distribution shows that while AI is widely adopted in everyday life for many, a significant portion of people still engage with it infrequently or not at all. Increasing awareness and accessibility will be crucial for more inclusive adoption and to ensure that the benefits of AI reach everyone.

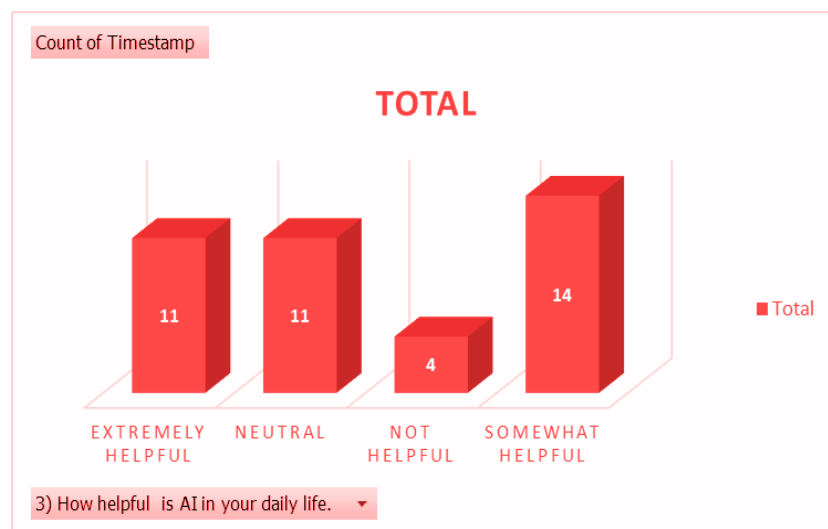Q. 2) Which AI-based tools or services do you use the most?

Findings:

- 37% of respondents use AI-driven apps (e.g., chatbots, recommendation systems) the most, indicating their widespread popularity in daily life.

- 30% rely on navigation and transportation apps (e.g., Google Maps, ride-hailing services), highlighting the importance of AI in travel and commuting.

- 20% frequently use virtual assistants (e.g., Siri, Alexa), showing their role in personal and household tasks.

- 13% of respondents reported using none of these AI tools, suggesting a lack of AI integration in their daily activities.

These insights reflect how AI tools are increasingly becoming a part of daily life, especially in areas like information access, travel, and virtual assistance. However, there is still a segment that remains disconnected from these technologies.

Q. 3) How helpful is AI in your daily life?

Findings:

- "Somewhat helpful" was the most selected response, with the highest count, indicating that many people find AI beneficial but not indispensable.

- An equal number of respondents rated AI as "Extremely helpful" and "Neutral," suggesting a balanced view where some recognize AI's significant benefits, while others remain indifferent.

- A smaller group finds AI "Not helpful," highlighting a segment that either does not rely on AI or feels it has limited value in their daily lives.
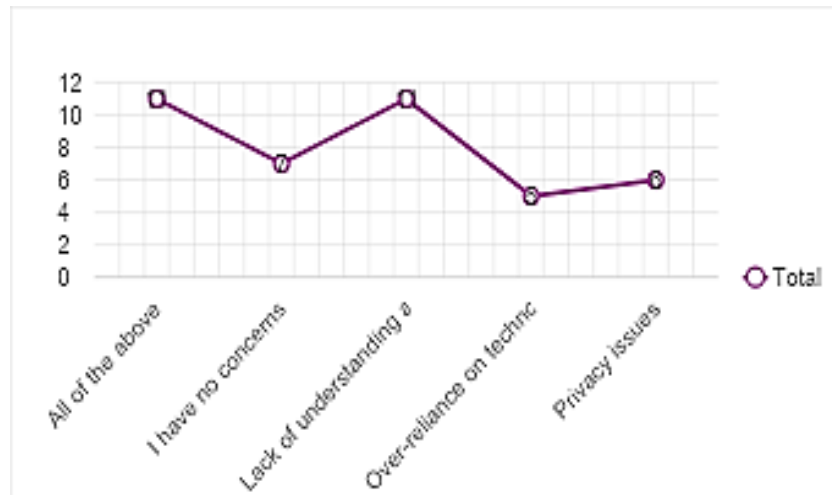
These insights suggest that while most users see AI as a useful tool, there is still a need to address gaps in perceived value and to improve AI's relevance for all users.

Q. 4) What concerns you most about AI in daily life?
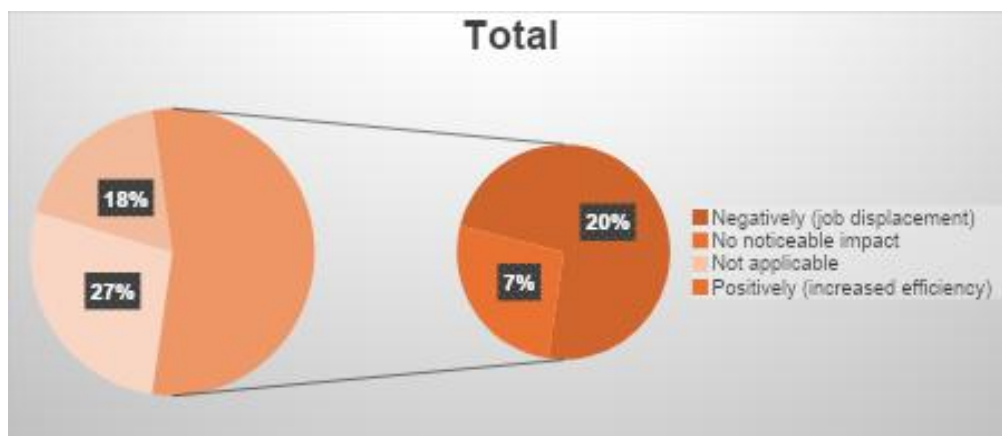
Findings:

- "All of the above" and "Lack of understanding about how it works" were the top concerns, with the highest number of responses, indicating that many people worry about multiple aspects of AI, including ethical, functional, and societal impacts.

- A significant number of respondents expressed "No concerns," showing that some individuals are comfortable with AI's role in their daily lives.
- Concerns about "Over-reliance on technology" and "Privacy issues" had fewer responses, but they still represent important challenges that need to be addressed.

These insights suggest that while there is a broad spectrum of concerns about AI, education and transparency around how AI works could help alleviate many of these worries.

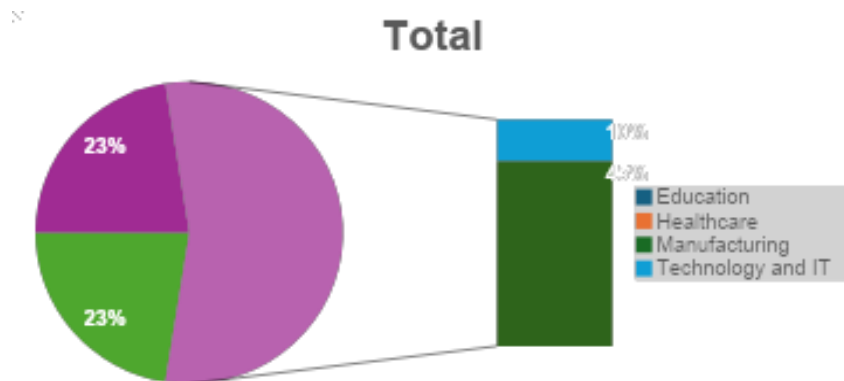Q. 5) Has AI affected your current job or field of work?

Findings:

- 47% of respondents believe AI impacts jobs positively by increasing efficiency, indicating that many recognize AI's potential to enhance productivity.
- 28% noted no noticeable impact on their jobs, suggesting AI integration hasn't significantly affected their roles yet.
- 18% perceive AI's effect as negative due to concerns about job displacement, reflecting fears about automation replacing human roles.
- 7% selected not applicable, meaning AI hasn't impacted their work environment.

These insights highlight a mixed perception of AI in the workplace, with most respondents viewing AI as beneficial for efficiency, while a notable minority remain concerned about potential job losses.

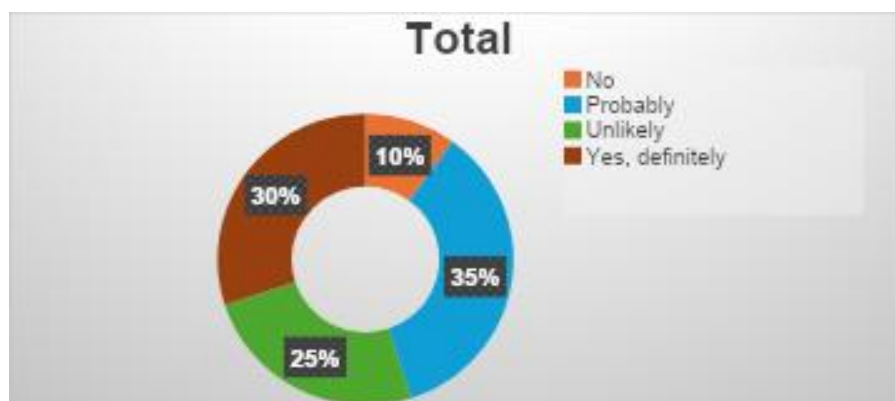Q. 6) Which sector do you think is most impacted by AI?

Findings:

- 55% of respondents work in Technology and IT, reflecting the dominant role of AI in this sector, where its integration is most advanced.

- 23% are from the Healthcare sector, highlighting AI's growing presence in medical diagnostics, patient care, and administrative tasks.

- 22% are in Education, indicating AI's emerging role in personalized learning, administrative efficiency, and content delivery.

- Only 10% represent the Manufacturing sector, suggesting either limited AI adoption or less representation in this survey.

These insights suggest that while AI is widely adopted in technology-related fields, there is a growing presence in healthcare and education, with manufacturing showing potential for further AI integration.

Q. 7) Do you believe AI will create more jobs than it replaces in the long term?

Findings:

- 30% of respondents believe AI will definitely create more jobs than it replaces, indicating optimism about AI-driven opportunities.

- 35% think it will probably create more jobs, reflecting cautious optimism and the belief that AI's benefits might outweigh its challenges.

- 25% find this unlikely, suggesting concerns about job displacement and the potential for automation to reduce human employment.

- 10% responded no, indicating a strong belief that AI will replace more jobs than it creates.

These insights highlight a generally positive but divided outlook on AI's long-term impact on employment, with many seeing potential for job creation but others remaining skeptical about its benefits.

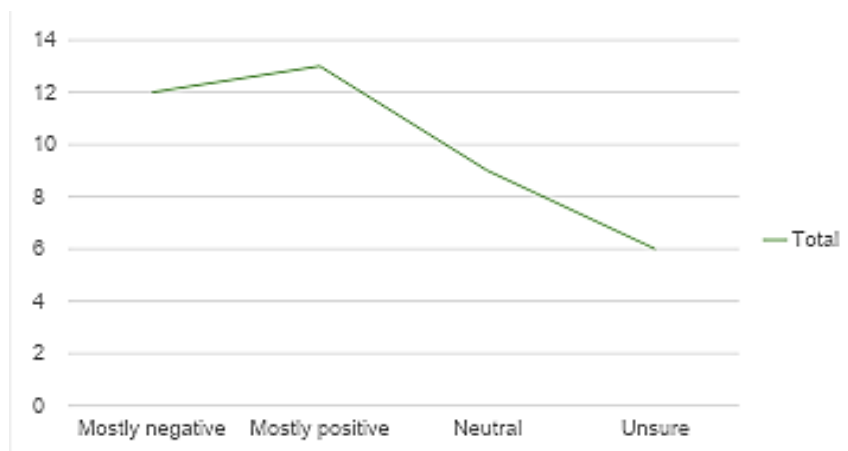Q. 8) What aspect of AI development do you believe should be most emphasized?

Findings:

- 30% believe ensuring fairness and ethical use of AI should be the top priority, highlighting the importance of addressing biases, promoting transparency, and ensuring equitable outcomes.

- 27.5% emphasized advancing AI's technical capabilities, indicating the need for continuous innovation and improvement in AI performance.

- 22.5% focus on improving AI-human collaboration, suggesting a desire for AI systems that complement and enhance human abilities rather than replace them.

- 20% stressed the importance of reducing the risks of automation on jobs, reflecting concerns about job displacement and the need for responsible AI deployment.

These insights reveal a balanced perspective, with ethical considerations and technical advancements viewed as crucial, alongside the need to ensure AI supports rather than disrupts the workforce.

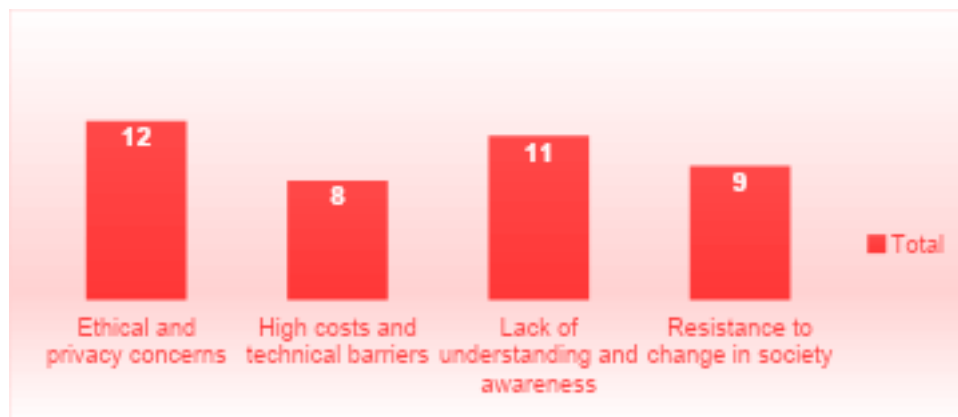Q. 9) What is your overall opinion of AI's impact on society?

Findings:

- 32.5% view AI's impact as mostly positive, indicating a significant portion sees AI as beneficial for society, enhancing efficiency, innovation, and quality of life.

- 30% perceive the impact as mostly negative, reflecting concerns about issues such as job displacement, ethical dilemmas, and potential misuse.
- 22.5% maintain a neutral stance, suggesting they either haven't experienced significant impacts or believe AI's effects are balanced between positive and negative.
- 15% are unsure, indicating a lack of clarity or understanding about AI's long-term implications.

These insights reveal a diverse range of opinions, with a slight lean towards positive perceptions, but also highlighting significant concerns that need to be addressed to foster greater trust and confidence in AI's societal role.

Q. 10) What do you believe is the biggest challenge in adopting AI widely?

Findings:

- 30% identified ethical and privacy concerns as the biggest challenge, reflecting worries about data security, bias, and the responsible use of AI technologies.
- 27.5% cited lack of understanding and awareness, indicating that education and public awareness about AI's potential and limitations are crucial for its broader acceptance.
- 22.5% pointed to resistance to change in society, suggesting cultural and organizational hurdles that slow down AI adoption.
- 20% mentioned high costs and technical barriers, emphasizing the financial and infrastructural challenges that limit access to advanced AI solutions.
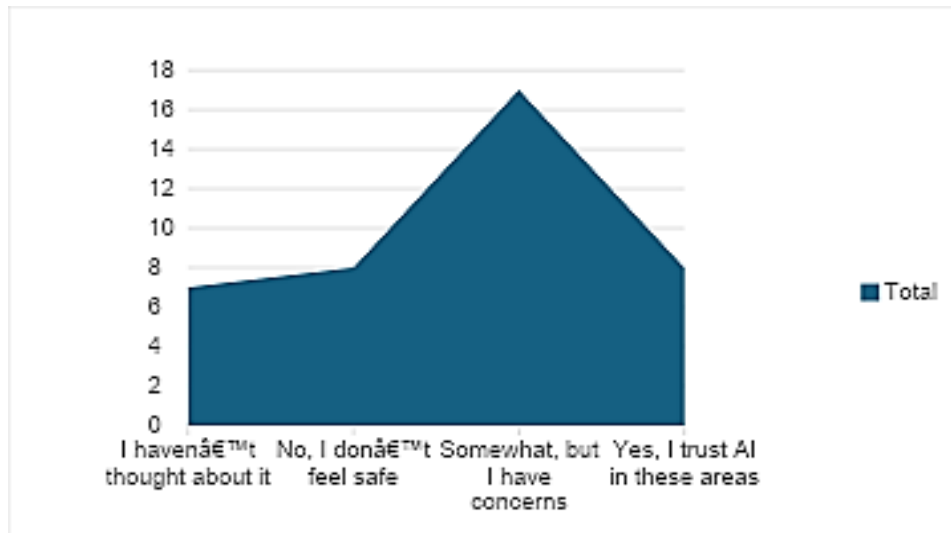
These findings highlight the multifaceted obstacles to widespread AI adoption, with ethical issues and public awareness being top priorities to address, alongside reducing costs and fostering societal readiness.

Q. 11) Do you feel safe with AI being integrated into critical areas like vehicles, healthcare, and public systems?

Findings:

- 42.5% feel somewhat safe but have concerns, reflecting cautious optimism. Many recognize AI's potential benefits in critical areas like vehicles, healthcare, and public systems but worry about reliability, safety, or ethical implications.
- 20% trust AI in these areas completely, indicating confidence in AI's capabilities and safety standards.

- Another 20% responded no, they don't feel safe, highlighting significant skepticism or fear regarding AI's integration into essential services.
- 17.5% have not thought about it, suggesting a lack of awareness or engagement with the implications of AI in critical sectors.

These insights reveal a mixed perception of AI's safety in vital areas. While many see its potential, concerns about trust, ethical considerations, and system reliability.

Conclusion:

The survey highlights a complex and nuanced perspective on AI's role in everyday life, employment, and critical sectors. While many respondents recognize AI's ability to improve efficiency and create new opportunities, concerns remain regarding ethical practices, privacy risks, and potential job displacement. A notable number of participants expressed caution toward adopting AI in sensitive domains such as healthcare, transportation, and public services, underscoring the need for greater focus on safety, transparency, and fairness.

As AI continues to evolve, its broad acceptance will depend on enhancing public awareness, addressing technical and financial challenges, and ensuring responsible, ethical deployment. Strengthening communication, implementing strong safeguards, and encouraging continuous innovation will be essential in shaping AI's future—maximizing its benefits while effectively managing its challenges.

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