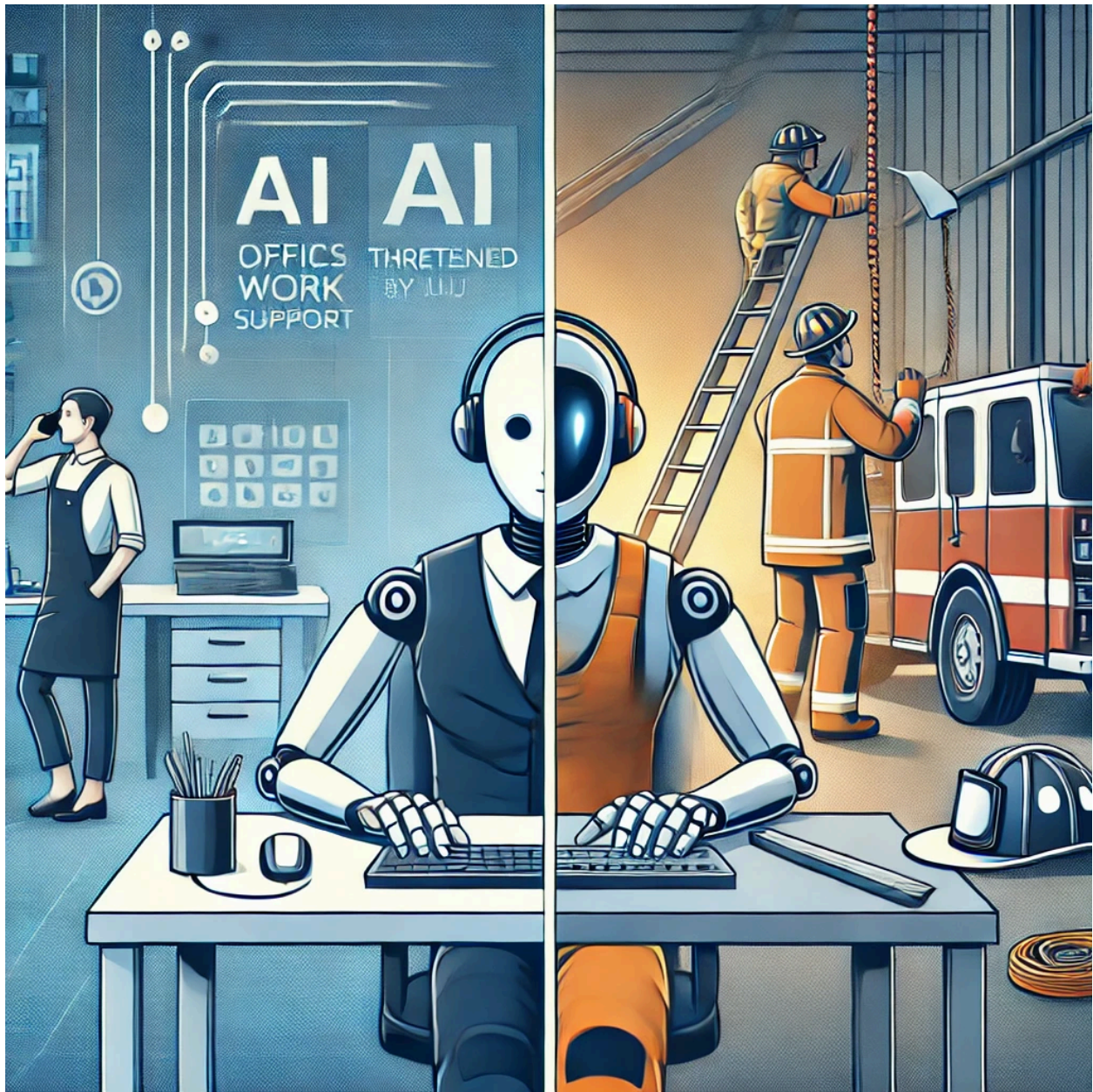


SUMMARY SHEET: The Dangerous Impacts of Artificial Intelligence (AI) on Jobs



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Version: 40.0

Date: January 4, 2024

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Introduction

Artificial intelligence (AI) is revolutionizing various industries, including science, business, publishing, military operations, and medical care. This transformative technology holds the potential to reshape the global economy, redefine the nature of work, and significantly impact U.S. employment. The rapid adoption of AI raises critical questions for governments, corporations, and educational institutions, as it becomes increasingly vital to adapt to these changes proactively.

This document explores key questions to consider:

- How many U.S. jobs will exist by 2025?
- How many jobs will AI eliminate, and at what rate?
- How many jobs are beyond AI's capability?
- What types of new jobs will AI create?
- Which industries are most at risk or safest from AI disruption?
- How should policymakers and organizations respond to the AI-driven employment shift?

Note: The AI tool Google Gemini was employed for fact-checking and research in this draft. Illustrations included were generated using AI, which, as of now, cannot be copyrighted under current laws.

Overview of AI's Impact on the U.S. Workforce

The U.S. workforce currently comprises approximately 165 million people. Of these, an estimated 105 million jobs—primarily those involving the management or processing of information—are at significant risk of displacement by AI. By contrast, roles that require physical skills, utilize tools, or are protected by legal or union safeguards face a much lower threat of automation.

Jobs at Risk (Examples):

AI is particularly disruptive to roles that rely heavily on repetitive or analytical information work. Examples of vulnerable professions include:

- **Accountants:** Routine financial reporting and tax preparation tasks are highly automatable.
- **Authors of Fiction Books:** AI can already generate compelling narratives and creative works.
- **College Professors:** AI avatars are capable of delivering lectures and grading assignments.
- **Customer Support Personnel:** AI chatbots and virtual agents are rapidly replacing call center roles.

- **Financial Workers:** Investment analysis and risk management are increasingly automated.
- **Software Engineers (non-AI projects):** Routine coding tasks are now within the capability of AI systems.
- **Taxi Drivers:** Autonomous vehicles present a direct threat to traditional driving jobs.

Jobs Safe from AI (Examples):

Roles that involve creativity, physical labor, or interpersonal interaction remain relatively safe. Examples include:

- **Carpenters:** Skilled manual labor remains a challenge for AI-driven robots.
 - **Elected Officials:** Legally, only humans can serve in public office.
 - **Dentists:** Precision work requiring a human touch is beyond current AI capabilities.
 - **Firefighters:** Emergency response roles necessitate adaptability and physical presence.
 - **Mechanics:** Complex diagnostics and repairs on diverse machinery are not easily automated.
 - **Plumbers:** On-site problem-solving and installations are secure from AI disruption.
 - **Teachers Using AI Tools:** Educators who integrate AI into their teaching practices remain indispensable.
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Policy Recommendations

To mitigate the negative effects of AI on employment, proactive measures must be implemented. These include:

1. **Tax Robots:** Introduce an annual tax of \$50,000 per robot that replaces a human worker. Revenue from this tax could be allocated to retraining displaced employees and funding social safety nets.
 2. **Educational Initiatives:** Mandate AI literacy and digital skills training at all educational levels, ensuring future workers are prepared for the demands of an AI-integrated economy.
 3. **Government Planning:** Establish interdisciplinary study groups comprising local universities, corporations, and unions. These groups can strategize long-term workforce integration with AI technologies while minimizing social disruption.
 4. **Incentivize Human-Centric Roles:** Create policies that promote industries and roles where human labor provides unique value, such as healthcare, education, and public safety.
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New Job Opportunities Created by AI

While AI will undoubtedly displace many roles, it also has the potential to generate entirely new career paths. However, these new opportunities are expected to be far fewer than the jobs lost. Current estimates suggest that AI may create approximately 10 million new roles within the U.S. workforce. Examples of these emerging professions include:

- **AI-Assisted Cybersecurity Experts:** Specialists who monitor and manage AI-enhanced security systems.
- **AI-Enhanced Medical Personnel:** Healthcare providers leveraging AI tools for diagnosis and treatment planning.
- **AI-Supported Financial Planners:** Professionals using AI to develop personalized investment strategies.
- **AI-Aided Artists and Musicians:** Creators who collaborate with AI to produce innovative works.
- **AI-Facilitated Construction Teams:** Workers utilizing AI-driven equipment for safer, more efficient building processes.

These roles demonstrate the collaborative potential of AI when integrated thoughtfully into the workforce.

AI Tools Referenced

The following tools exemplify the breadth of AI capabilities available today. Readers are encouraged to explore them:

- **ChatGPT:** Widely regarded as a leader in conversational AI.
- **Google Gemini:** Popular for fact-checking, research, and email integration.
- **FOTOR AI:** Advanced image and art generation platform.
- **Lensa:** Known for enhancing facial images.
- **Artbreeder:** A powerful tool for generating unique AI art.

As AI tools continue to evolve, staying informed about their features and limitations is essential for all professionals.

Conclusion

Artificial intelligence presents a dual-edged sword for the global workforce. Its capacity to enhance productivity and innovation is matched by its disruptive potential to displace millions of jobs. Governments, corporations, and educational institutions must work collaboratively to develop solutions that balance AI's transformative capabilities with its socioeconomic risks.

Key strategies include implementing robust worker retraining programs, creating supportive policy frameworks, and fostering a culture of continuous learning. By taking these steps, society can harness AI's power to create opportunities while mitigating its risks.

About the Author

Capers Jones is a renowned expert in risk management and technology. Over the course of his distinguished career, he has authored more than 20 books and 250 journal articles. His latest work, focusing on artificial intelligence, is scheduled for publication in 2024. For further details about his contributions and publications, visit [Capers Jones' Publications](#).
