



# Charting the Impact of AI on Employment:

**DataExos** is a cloud, AI, and data consultancy and outsourcing partner.

Our mission is to help organizations harness the full power of available data and innovation to improve efficiency, productivity, experiences, and insights.

## The Jobs AI Will **Create** and **Replace**



*Your Data. Our Capabilities.*

**WWW.DATAEXOS.COM**



## WILL AI PRODUCE A NET GAIN OR NET LOSS OF JOBS OVER THE NEXT 10 YEARS?

Predicting the exact impact of Artificial Intelligence (AI) on job creation and loss over the next decade involves a high degree of uncertainty and speculation, as it depends on a multitude of factors, including technological advancements, economic conditions, policy decisions, and societal adaptations. However, we here at **DataExos** can provide some perspectives on this topic:

### Potential for Net Gain:

Creation of New Jobs: AI is likely to create entirely new job categories, many of which we might not be able to envision currently. These jobs would arise from new needs and industries that evolve as AI becomes more integrated into various sectors.

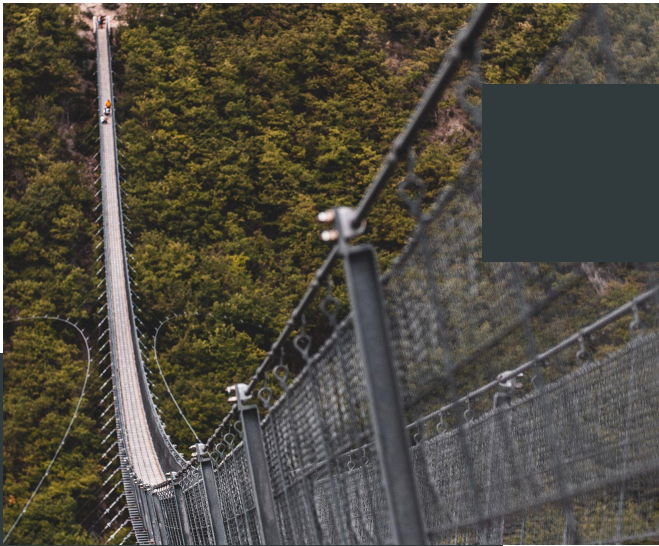
***About 1 in 5 American workers have a job with "high exposure" to artificial intelligence, according to Pew Research Center***

Augmentation of Existing Jobs: AI can augment human work, increasing productivity and creating more opportunities. For example, AI-assisted healthcare could lead to more effective treatments and new roles in medical technology.

Economic Growth: Increased productivity and efficiency through AI can lead to economic growth, which historically has been associated with job creation.

### Potential for Net Loss:

Automation of Routine Jobs: AI is adept at automating routine and repetitive tasks, which could lead to significant job displacement in sectors like manufacturing, administrative support, and customer service.





## Potential for Net Loss (cont.)

Skill Gaps and Transitions: The transition to an AI-driven economy might create a skill gap. Workers displaced by AI might find it challenging to retrain or upskill for the new jobs created by AI, leading to a temporary or even long-term net loss in jobs.

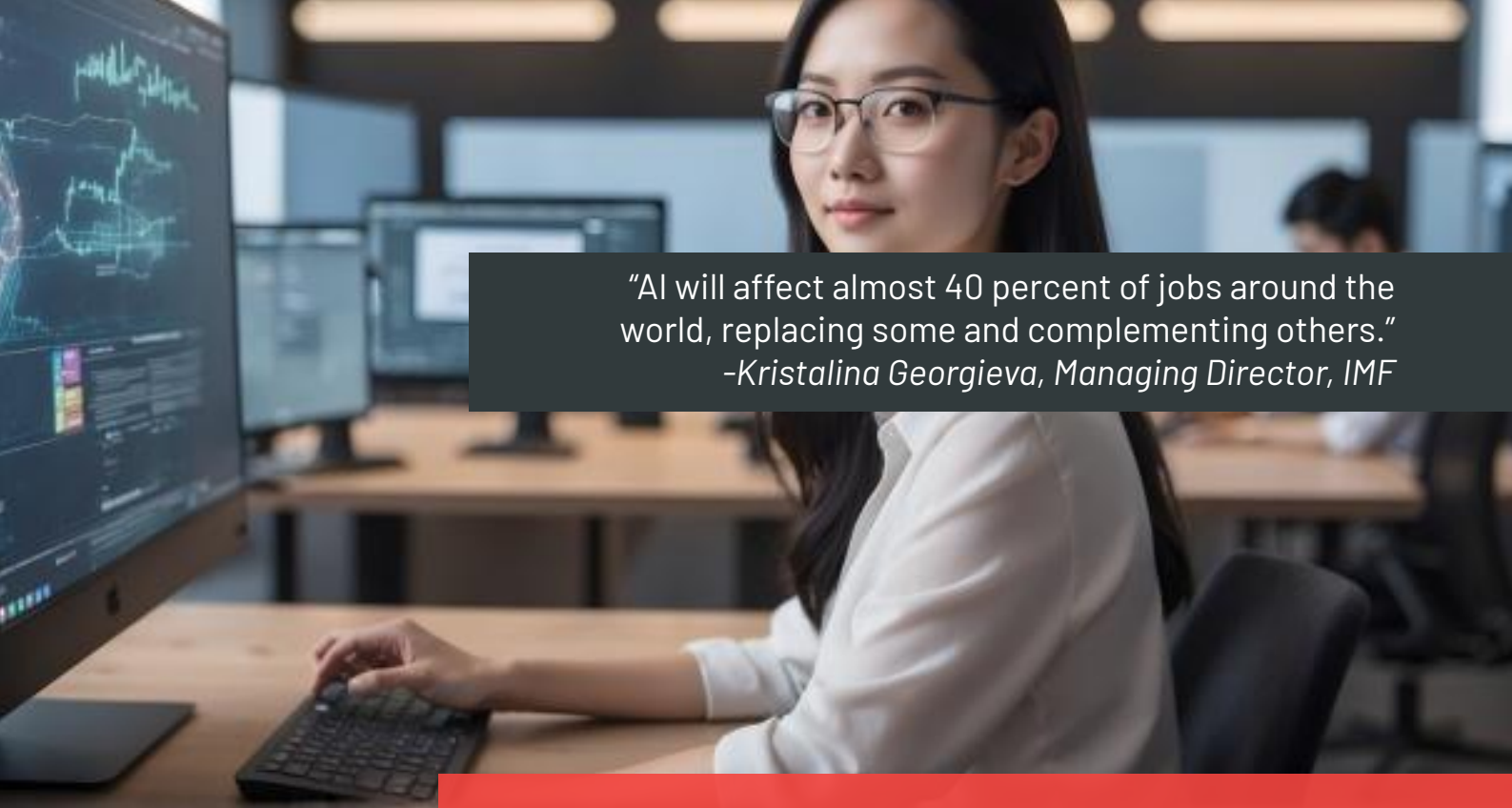
Economic and Social Factors: The net impact of AI on jobs could also be influenced by broader economic policies, social adaptation to new technologies, and the rate at which businesses and individuals can adapt to these changes.



The Global AI Index aims to make sense of artificial intelligence in 62 countries, scoring nations based on three pillars of analysis – Investment, Innovation and Implementation.



Source: Tortoise Media. (2023, June 28). Global AI. Retrieved 2024, Jan 22, from <https://www.tortoisemedia.com/intelligence/global-ai/>.



"AI will affect almost 40 percent of jobs around the world, replacing some and complementing others."  
-Kristalina Georgieva, Managing Director, IMF

## Balancing Factors

Policy and Education: Governmental policies, educational reforms, and corporate training programs focused on reskilling and upskilling can play a crucial role in helping the workforce transition to new AI-augmented roles.

Ethical and Social Considerations: The way AI is developed and deployed, taking into consideration ethical and social implications, will significantly affect its impact on the job market.

**In summary, whether AI will create a net gain or net loss of jobs over the next decade depends on how the challenges and opportunities presented by AI are managed by businesses, governments, and societies. The key will likely be in the adaptive capabilities of the workforce and the regulatory frameworks set in place to guide AI development and integration into the economy.**

NO MATTER WHICH DIRECTION, ARE YOU READY FOR  
THE WORKPLACE OF TOMORROW?

## **JOBS THAT WILL BE CREATED BY AI**

The rise of AI technology is expected to create a variety of new jobs and industries, many of which might not even exist today. Here are some job categories and roles that are likely to emerge or expand significantly due to the growth of AI:

**AI Trainer and Explainer:** These professionals will be responsible for teaching AI systems how to perform certain tasks and also for explaining AI decisions to others, especially in cases where AI is used for critical decisions.

**AI Maintenance and Improvement Specialists:** Just like any other technology, AI systems will require regular maintenance and updates. This role will involve monitoring AI systems, identifying areas for improvement, and implementing changes.

**Data Scientists and Analysts:** With AI's reliance on large datasets, the demand for data scientists and analysts who can collect, process, and interpret vast amounts of data will grow.

**Ethics Compliance Managers:** As AI becomes more prevalent, there will be a greater need for professionals who ensure that AI systems are ethically designed and used, respecting privacy and fairness standards.

**Robotics Engineers and Technicians:** As AI drives advancements in robotics, there will be an increased need for engineers and technicians skilled in building, maintaining, and repairing robotic systems.

**Healthcare AI Specialists:** In the field of healthcare, specialists will be needed to develop and manage AI tools for diagnosis, treatment planning, and patient care management.

## JOBS THAT WILL BE CREATED BY AI (cont.)

**AI-Enhanced Education Professionals:** Educators and trainers who can leverage AI tools to enhance learning and personalize education will be in demand.

**Cybersecurity Experts:** With AI being integrated into more systems, the complexity

**SORRY, BUT THERE'S ONLY SO MUCH INFORMATION WE CAN  
GIVE TO NON-CLIENTS!**

If you would like to view more jobs that will be created by AI, please  
schedule an initial consultation today.

[WWW.DATAEXOS.COM](http://WWW.DATAEXOS.COM)



YOUR DATA. OUR CAPABILITIES.