

***"You're Fired":* How AI Is Quietly Replacing the Human Workforce**

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Artificial Intelligence (AI) is no longer science fiction ,it's changing how businesses operate across the globe. From the United States to China, and from Europe to Africa, companies are using AI to automate jobs that used to require human workers. *"There will be fewer and fewer jobs that a robot cannot do better. These are not things that I wish will happen, these are things that I think probably will happen."* Elon Musk warned in a recent interview.

Why bosses are deploying AI

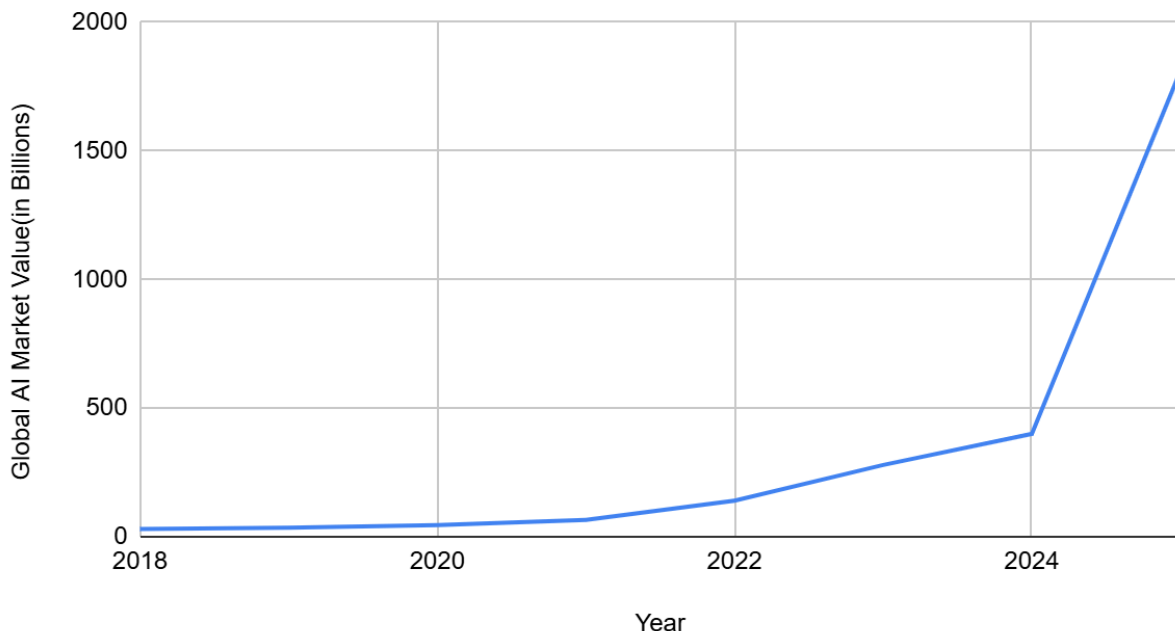


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Creative tasks for which some businesses are already relying on ChatGPT and other AI chatbots to assist, including crafting job posts, writing press releases and building marketing campaigns. The findings show companies are increasingly turning to AI to cut costs, boost profits and make their workers more productive. *“You can’t be running an innovative company without seriously considering these technologies. You run the risk of being left behind,”* Duke finance professor John Graham

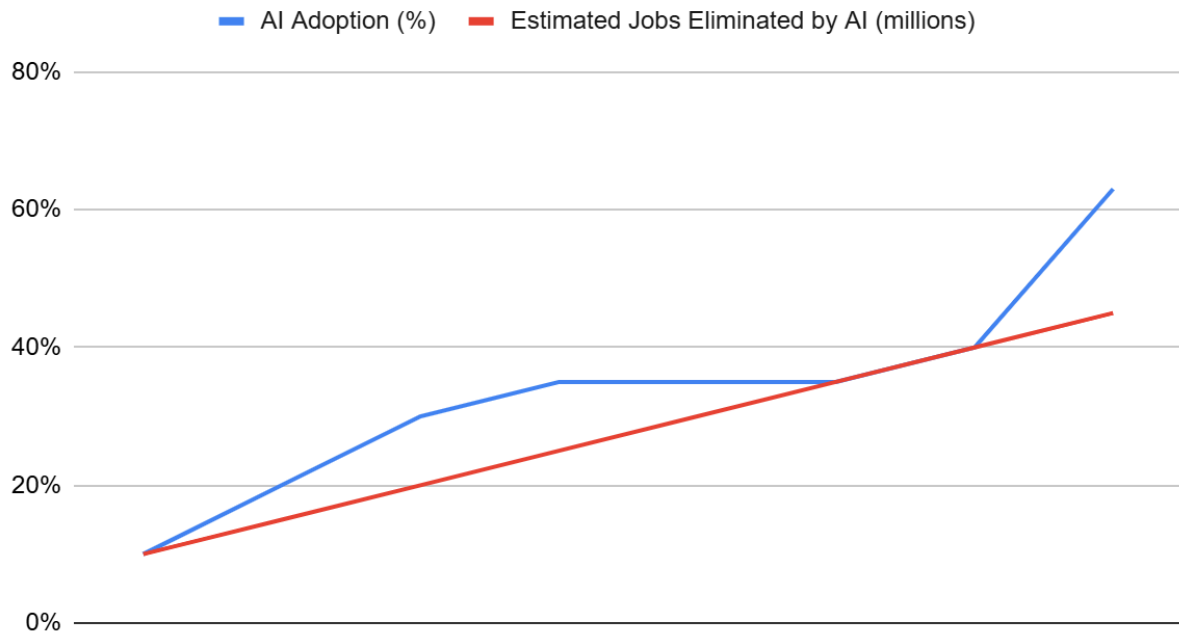
I conducted a basic data analysis on how artificial intelligence is replacing human jobs. The findings are both insightful and eye-opening. The dataset used for this analysis was sourced from the Kaggle platform (<https://www.kaggle.com>)

Global AI Market Value(in Billions) vs. Year

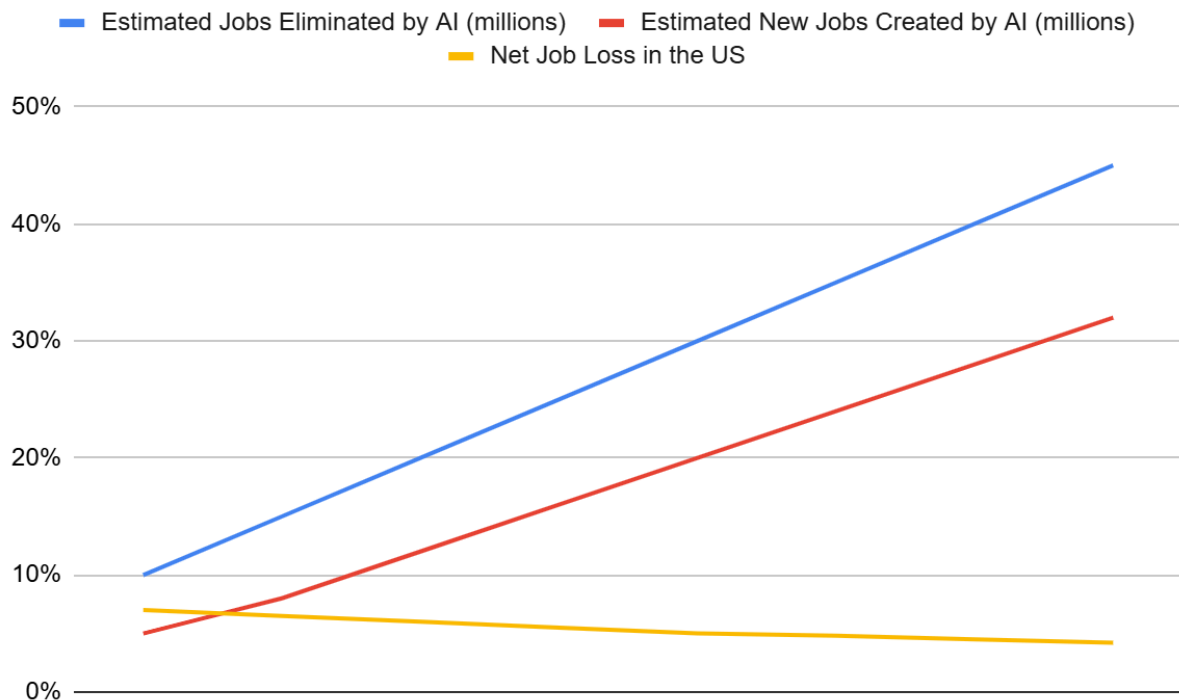


That graph shows the Global AI Market values(in Billions) vs Year.” tracks the growth of AI market from 2018 to 2024 which explain from 2022 to 2024, the market value increased quickly. By 2024 it reached over 1,500 billion and looks like it might go higher.

AI Adoption (%) and Estimated Jobs Eliminated by AI (millions)



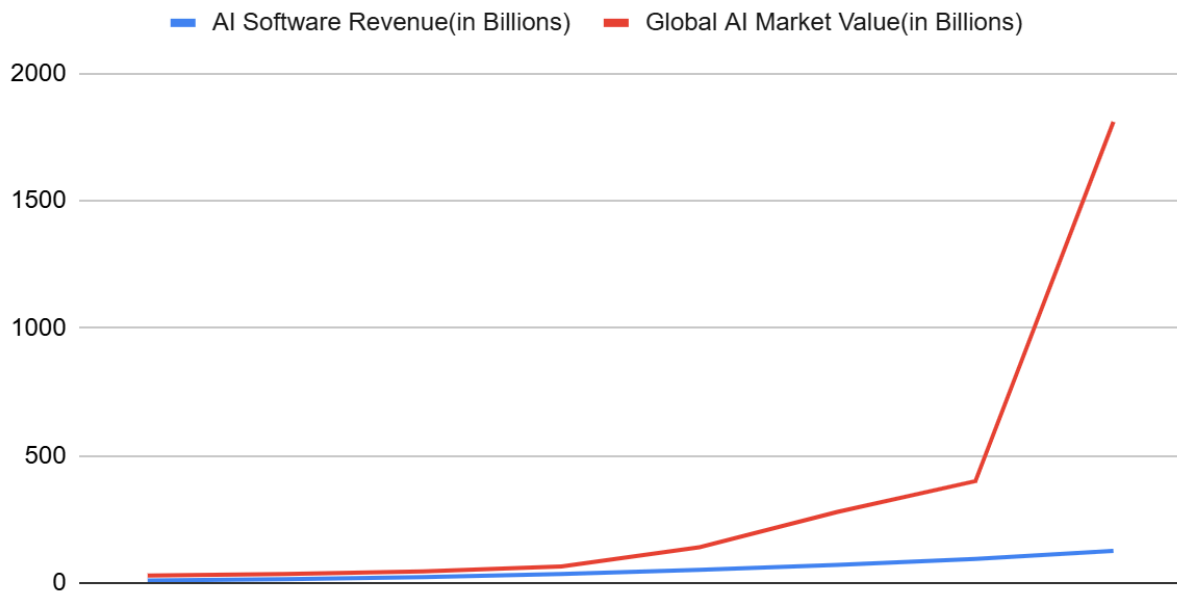
The chart shows that when AI adoption goes up the number of jobs eliminated also goes up. When you look closely it shows when AI adoption reaches about 60% about 40 million jobs are gone. This means AI is taking over tasks that humans used to do like working in factories, answering customer calls or doing repetitive office work. For humans this could mean that if you have that AI could do you might lose your job in the future.



The chart compares three things in the U.S. over time:

- **Blue Line (Estimated Jobs Eliminated by AI, in millions):** This line shows how many jobs AI has taken away. It starts near 0% and climbs steadily, reaching around 40% by the end.
- **Red Line (Estimated New Jobs Created by AI, in millions):** This line shows new jobs that AI has created, like roles for people who build or manage AI systems. It also starts near 0% and grows, but more slowly, reaching about 25% by the end.
- **Yellow Line (Net Job Loss in the U.S.):** This line shows the overall job loss after subtracting the new jobs from the jobs AI took away. It starts at 0%, dips slightly below, then stays flat around 5% to 10% for most of the time.

AI Software Revenue(in Billions) and Global AI Market Value(in Billions)



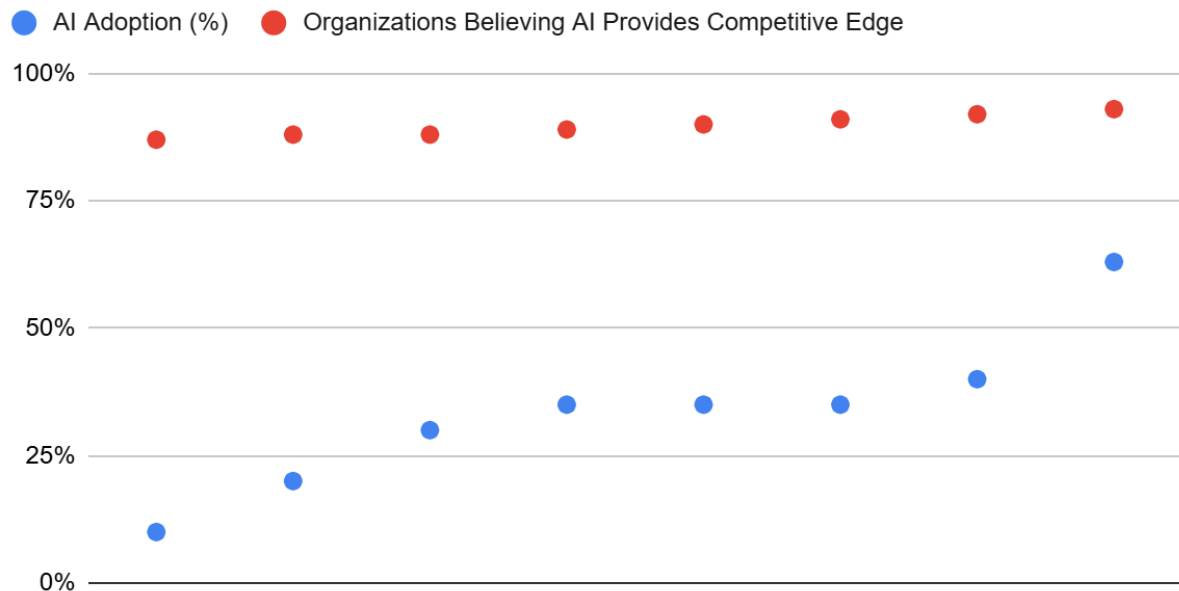
What the Graph Shows

That chart is titled “AI Software Revenue (in Billions) and Global AI Market Value (in Billions).” It compares two things over time:

- **Blue Line (AI Software Revenue in Billions):** This line shows the money made from selling AI software. It continues to increase from day to day.
- **Red Line (Global AI Market Value in Billions):** This line shows the total value of the AI industry worldwide. By the end, it jumped sharply to around 1,500 billion dollars (or 1.5 trillion dollars).

The chart tells us an interesting story about AI’s impact on the workforce. It suggests a big growth in the AI Industry. The red line’s sharp rise to 1,500 billion dollars means the AI industry is becoming huge. This growth shows that companies and investors are putting a lot of money into AI, which could lead to more AI tools being used in workplaces. This might mean more jobs are at risk of being replaced by AI as the technology spreads.

AI Adoption (%) and Organizations Believing AI Provides Competitive Edge



What the Graph Shows

The chart is titled “AI Adoption (%) and Organizations Believing AI Provides Competitive Edge.” It uses scattered dots to show two things over time:

- **Blue Dots (AI Adoption %):** These dots show the percentage of organizations using AI. The dots start at around 0% and slowly move up over time. By the last point, AI adoption reaches about 50%.
- **Red Dots (Organizations Believing AI Provides Competitive Edge):** These dots show the percentage of organizations that think AI gives them an advantage over their competitors. These dots are much higher, starting at around 75% and staying at that level throughout the chart, with little change.

The blue dots (AI adoption) are increasing slowly, while the red dots (belief in AI’s competitive edge) remain steady and high.

What This Means for Humans?

- **More Organizations Are Using AI:**The blue dots rising to 50% show that more and more companies are starting to use AI. This means AI is becoming a normal part of how businesses operate. As companies adopt AI, they might use it to do tasks that humans used to do, like analyzing data, managing inventory, or even answering customer questions. This could lead to fewer jobs for people over time.
- **Strong Belief in AI's Power:**The red dots staying at 75% tell us that most organizations believe AI helps them do better than their competitors. This belief is strong and doesn't change much over time. Because so many companies think AI gives them an edge, they're likely to keep investing in it and using it more. This could speed up the replacement of human workers, as businesses might prefer AI to save money or work faster.
- **A Quiet Shift for Workers:**The gap between the blue and red dots is important. While only 50% of organizations are using AI, 75% believe it's a game-changer. This means even companies that aren't using AI yet might start soon because they don't want to fall behind. For workers, this could mean a quiet but steady shift jobs might disappear as more companies jump on the AI trend, driven by the belief that it will help them succeed

How to Stay Ahead of AI in Our Jobs and Lives ?

"Technology is not destiny. We shape our destiny. The real threat is not that AI will become evil, but that it will become competent and take away jobs and we won't be prepared." Erik Brynjolfsson, MIT Economist . The AI market is getting bigger, more

companies are using AI, it's taking away jobs, and many businesses believe AI gives them an edge. As 9-5 workers, business people, and fresh graduates, we need to act so AI doesn't leave us behind. Here's are the some things we can do:

For 9-5 Workers:



The charts show AI is replacing jobs like factory work, data entry, and customer service (up to 40 million jobs lost in one chart). To stay safe, learn new skills that AI can't do easily, like creative work (writing, designing) or jobs needing a human touch (teaching, nursing). You can take short online courses to learn things like problem-solving or working with people. Also, try to use AI tools in your job like using AI to help with tasks so you become someone who works with AI, not against it.

For Business People:



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The charts show that 75% of organizations believe AI gives them a competitive edge, and the AI market is worth over 1,500 billion dollars. As a business person, you should start using AI to make your work faster and better, like using AI for marketing or managing stock. But don't just replace workers, train your team to use AI tools so they can do more. This keeps your business strong and your workers safe. Also, focus on ideas that need human creativity, like building relationships with customers, which AI can't do well.

For Fresh Graduate:



The charts show AI adoption is growing (up to 50% in some places), and it's creating some new jobs but not enough to replace the ones lost. As a fresh graduate, study fields that work with AI, like tech, programming, or data analysis, because these jobs are growing (one chart showed 25% new jobs created). You can also learn skills AI can't replace, like teamwork, leadership, or creative thinking. Look for internships or projects where you can use AI tools that will make you stand out to employers.

For Everyone:



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All the charts show AI is here to stay, and it's quietly changing jobs. We should all keep learning new things, take online classes, watch tutorials, or join workshops. Stay curious about AI and how it works, so you're not scared of it. Focus on what makes us human, like caring for others, solving problems creatively, and working as a team. By doing this, we can use AI to help us, not replace us.

In short, AI is growing fast, but we can stay ahead by learning new skills, using AI to our advantage, and focusing on what humans do best. Let's prepare now so we thrive in this changing world!

Dataset: Riaz, Muhammad Roshan. *The Rise of Artificial Intelligence*. 2024, Kaggle, <https://www.kaggle.com/>. Accessed 30 May 2025