

AI, Robots, and the Future of Jobs

GENERAL OVERVIEW

1. "US is on the brink of economic and social upheaval due to automation putting people out of work." Blue ribbon panel report presented to President Lyndon Johnson in 1964.
2. What's different this time: Exponential acceleration, Cognitive Capability. Machine Learning and Decision Making. Thinking, learning, adapting.
3. 40% of robots today are in auto industry. "45% of jobs disappear in twenty years." Elon Musk predicts AI will equal or exceed human intelligence in twenty years.
4. ROUTINE, REPETITIVE, PREDICTABLE tasks are the jobs most easily eliminated. Lawyers, Surgeons, Radiologists, Pharmacists??? -How reconcile same number of bank tellers today as when the ATM was introduced.
5. Human skills presently thought beyond scope of AI: Empathy, Creativity, Intuition, Critical Thinking.
6. Issue of universal basic income is a core or peripheral issue, depending on expert, to the notion of AI and meaningful work. Maslow's Hierarchy of Needs as well.

Suggested YouTube videos on the subject:

["The Future of Work: Robots, AI and Automation"](#) - Darrell West, Brookings Institution

["How we will earn money in a future without jobs"](#) - Martin Ford

["The big debate about the future of work, explained"](#).

["Will automation take away our jobs?"](#) - David Autor

Relevant Reading

["Possible Minds: 25 ways of Looking at AI"](#) - John Brockman

["Rise of the Robots"](#) - Martin Ford

["Prediction Machines, The Simple Economics of AI"](#)

Top 15 Jobs at risk of disappearing

1. Drivers (20 million today)
2. Farmers
3. Printers & Publishers
4. Cashiers (8 million today)
5. Travel Agents (How many left now??)
6. Manufacturing Workers
7. Dispatchers
8. Waiting Tables/ Bartending
9. Bank Tellers
10. Military Pilots and Soldiers
11. Fast Food Workers (\$15/hr demand accelerate?)
12. Telemarketers
13. Accountants and Tax Preparers (1.3 M average \$60k)
14. Stock Traders
15. Construction Workers
16. Movie Stars????? (Adapt to Avatars??)

Top 15 Jobs that will increase with AI/Robots

1. Robot Manufacturer & Service Management
2. Raw Materials Management
3. Big Data & AI Scientists
4. Artificial Bodies Manufacturer
5. Esports
6. Psychologist and Therapist
7. Gene Designer for babies and Pets
8. Virtual World Designer
9. Cybersecurity & Private Data Storage
10. Entertainment
11. Real Estate Developer
12. Biochemistry and Tech Engineers
13. Private Services for the Rich
14. Elderly Care & End-of-Life Mgmt
15. Small jobs not worth automating.
16. Anyone in top 10% of any field