





FAKE NEWS What does Al mean for the future of jobs and work? What does Al mean for the future place and location

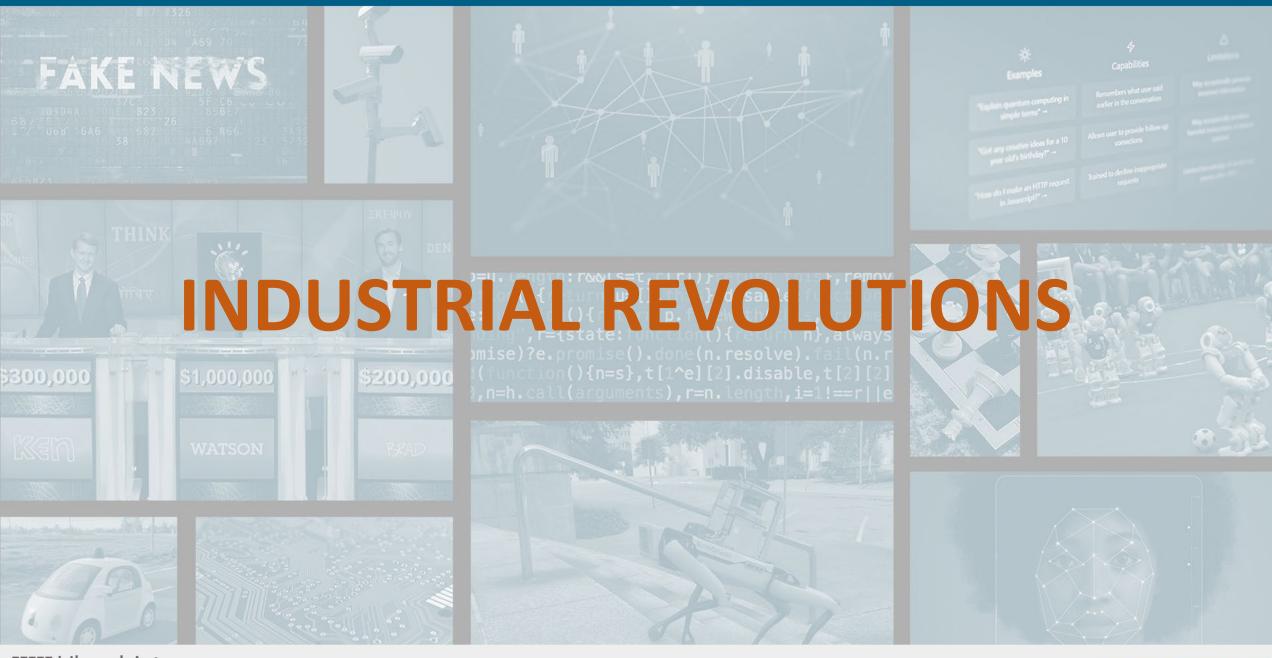
- What does AI mean for the future economy and
- economics? \$200,000 | mise)?e.promise().done(n.resolve).fail

of work?

What is the role of policy?











The Industrial Revolution

First and Second Industrial Revolutions: Approximately 1750-1914

- Technology & Mechanization
- Movement from an agrarian/small-scale farming society and and artisan/handicraft society to an industrial and machine society
- Began in 1700s in Great Britain with the textile industry
- Spread to Europe and US
- Nature and location of work changed
- Society changed
- People moved from working in small villages and homes to cities and factories
- Eventually factories automated





Later Industrial Revolution Moved from Great Britain to Europe and US

- Electrification
- Coal
- Gas
- Steel
- Automobile
- Railroads
- Telegraph
- Telephone
- Factory Automation





Third and Fourth Industrial Revolutions

- Third Industrial Revolution: 1969 Development of Microprocessor
 - Followed by personal computers
 - Digital Transformation
- Fourth Industrial Revolution: 2016 coined by Klaus Schwab, Founder of the World Economic Forum
 - IOT
 - Robotics
 - AI



Today: Fifth Industrial Revolution

- Continued development and Evolution of Al
 - Large Language Models
 - Generative AI such as ChatGPT
 - Other

POLICY CHANGES







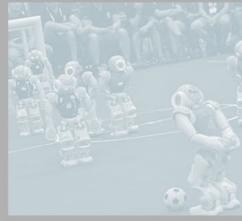
















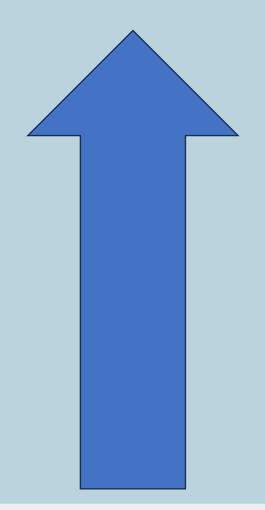


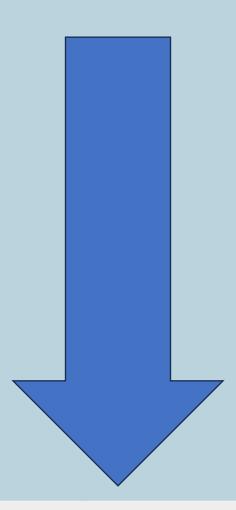






What jobs will there be?









Workplace Changes

- Hiring
- Performance Evaluation
- Al Assistants
- Privacy
- Intellectual Property



Al, Machines, Humans & Work

- Machines assisting humans
 - Good Systems: Living and Working with Robots
- Humans assisting machines
 - Good Systems: Making Smart Tools Work for Everyone



Jobs Being Affected Now

Jobs involving rote tasks and repetitive administrative tasks:

- Data Entry
- Data Analysts
- Receptionists
- Administrative Tasks
- Check Out
- Assembly Line Workers
- Warehouse Workers
- Retail
- Fast Food





Jobs Being Affected Now - Examples

- Coders: Al is doing the coding.
- Graphic Designers: Al is designing rather than humans.
- Legal Assistants: Al is creating basic documents.
- Translators: Al is doing the translating.
- Assistants: Al is creating schedules and summarizing meetings.
- Stock trader: Al is making the stock trades.
- Tax Preparers: Al is doing basic taxes.
- Web Developers: AI is developing websites.
- Customer Service Lines: Al chatbots answering on customer call lines.



Think About Jobs with Creative Work or Manual Labor & Unions

Manual Labor & Unions

- United Auto Workers (UAW)
- Dock Workers (Longshoremen)

SHOULD FURTHER AUTOMATION BE DISCONTINUED AT AUTO PLANTS & PORTS?

Creative Work & Unions

- Screenwriters (WGA)
- Actors (SAG)

SHOULD HOLLYWOOD BE ALLOWED TO USE GENERATIVE AI INSTEAD OF SCREENWRITERS?

WHAT ABOUT VISUAL ARTISTS & MUSICIANS?





Job Cuts & Al

According to a 2023 survey by resume builder:

- 37% of companies using AI say the technology replaced workers this year
- 44% of companies surveyed say AI will lead to layoffs in 2024

https://www.resumebuilder.com/1-in-3-companies-will-replace-employees-with-ai-in-2024/



Jobs Less Vulnerable to Al

Manual labor jobs and blue collar are less vulnerable to AI:

- Pipe Layers
- Dish Washers
- Fire Fighters
- Barbers



Jobs Less Vulnerable to Al

Jobs requiring emotional and social intelligence & high degree of interaction with people and jobs where AI assists & complements the workers

- Lawyers
- Judges
- Surgeons
- Child Care Workers
- Therapists
- Social Workers
- Teachers



