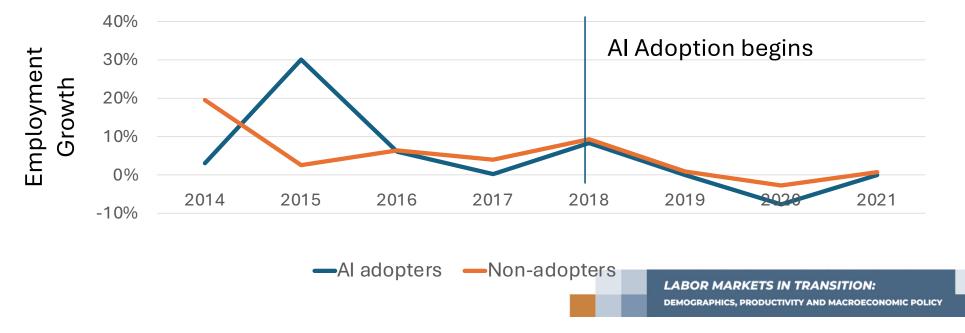




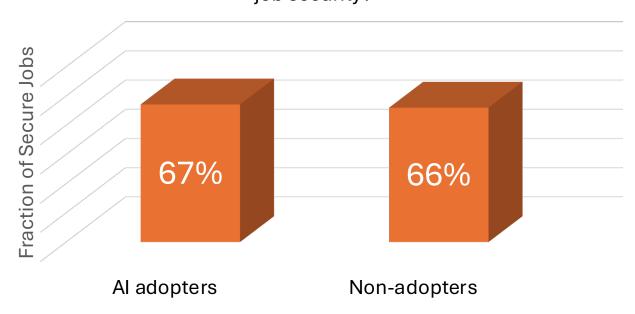
Is AI Displacing Jobs? Not Yet.

- Only 4% of jobs used AI for at least 75% of tasks. 1/3rd of jobs used AI for 25% of tasks. (Anthropic Econ Index, 2025)
- What about jobs? Lindenlaub, Oh, Veldkamp (2025) from LPP survey and admin data of ~3k German firms. Consistent with Hampole et. al. (2025) based on job postings.



Firm Al Adoption Improves Worker Job Security

Fraction of workers reporting **NO** to "Are you concerned about your job security?"

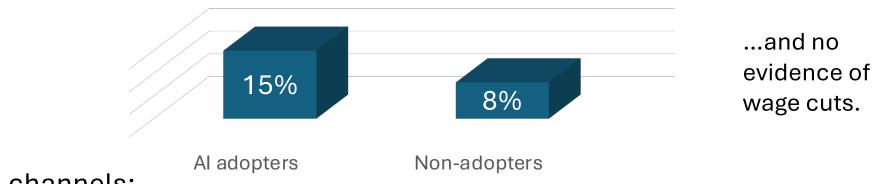


Lindenlaub, Oh, Veldkamp (2025) from LPP survey

LABOR MARKETS IN TRANSITION:
DEMOGRAPHICS, PRODUCTIVITY AND MACROECONOMIC POLICY

Al Firms Manage Talent Internally

Fraction of workers reporting YES to, "Have you changed jobs within your company during the last twelve months?"



2 channels:

- 1. Labor force analytics: AI is used to predicts workforce needs.
- 2. Worker adaptation: New technology adopters report that worker skill development is a key adjustment margin.

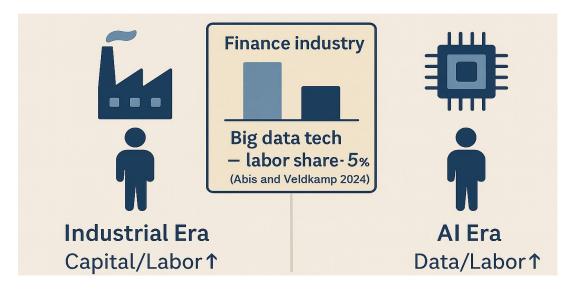
Lindenlaub, Oh, Veldkamp (2025) LPP survey.



Will workers' share of income change?

Historical analogy: industrialization vs. AI revolution

Output $= K^{\alpha} L^{(1-\alpha)}$



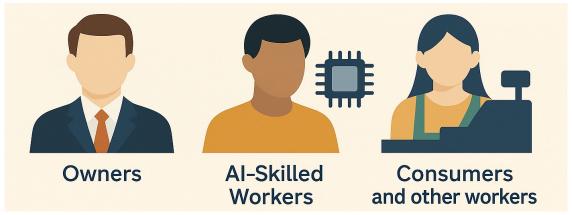
Knowledge $= D^{\alpha} I^{(1-\alpha)}$

The labor share $\sqrt{\text{ed } 5-12\%}$ $(1-\alpha)$

$$\downarrow_{ed} 5-12\%$$

LABOR MARKETS IN TRANSITION: DEMOGRAPHICS, PRODUCTIVITY AND MACROECONOMIC POLICY

Who Reaps the Gains from AI?



- With competition, the firm makes fewer mistakes, and its workers are more productive. Wages and hiring should rise.
- Monopolists price-discriminate, wage-discriminate and may cut labor inputs to keep goods scarce and prices high.
- Abis-Veldkamp (2024) study: Owners benefitted most, AI-skilled earned \$23k more, but other workers did not lose out.

DEMOGRAPHICS, PRODUCTIVITY AND MACROECONOMIC POLICY

Real Wages: How Much Can Workers Buy?

- Monopolists can use data to raise prices, eroding real wages.
- With competition, prices fall, real wages rise:
 - Firms that price discriminate with high prices are undercut.
 - If valuable data is derived from transactions, surplus goes to consumers. Consumers effectively paid for data: "Partial Data Barter" (Farboodi Veldkamp, 2025)
- Barriers to competition
 - Data feedback loop: Firms with more data grow, generate more data.
 - **Data and products are bundled:** We need separate prices for transactions with and without data. This would create a market for data and enhance competition.
 - **Privacy policy:** Prohibiting data sale/sharing keeps small firms data-poor and small. (Canayaz, Kantorovitch, and Mihet 2021; Demirer et al. 2024)



Conclusion: Al Reallocates Jobs and Surplus

- Al reshapes jobs, does not replace them.
- Al increases productivity and internal worker mobility.
- How is the surplus shared? Depends on changes in labor shares and on competition.

The talk, as summarized by AI:

