

Humans, Machines, and the Future of Work

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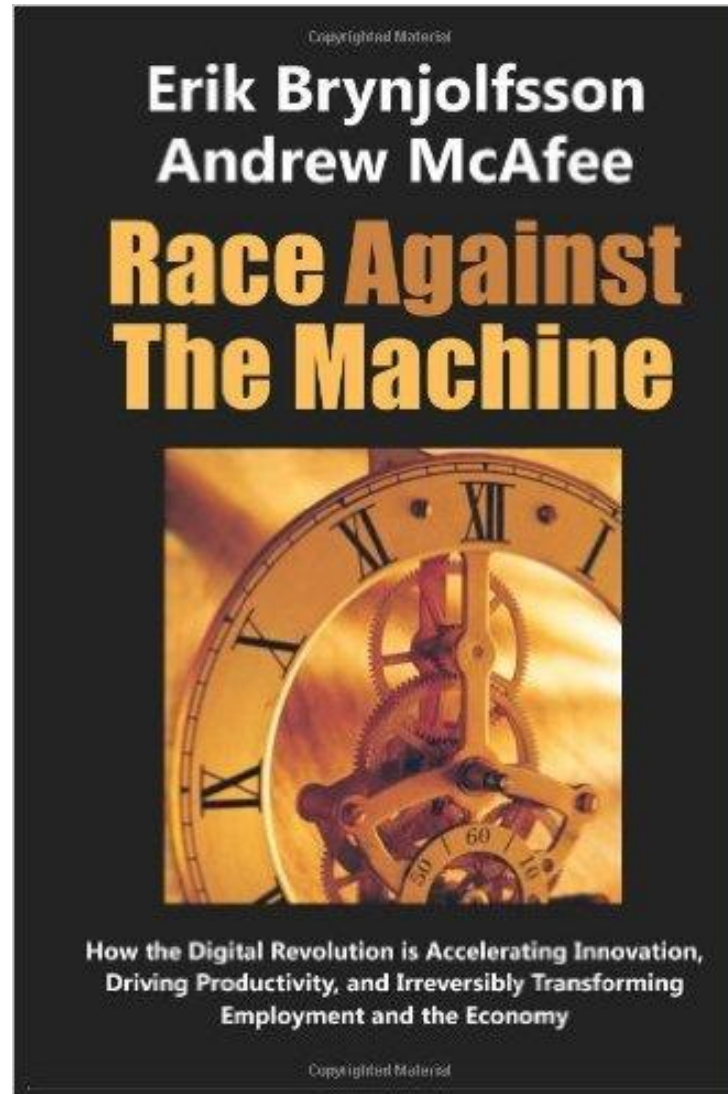
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AI Breakthroughs

- ◆ 2011: IBM's Watson defeats the two greatest Jeopardy! champions, Brad Rutter and Ken Jennings, by a significant margin.



Race Against the Machine



Humans, Machines and Work: The Future is Now

The screenshot shows a YouTube video player with a presentation slide overlaid. The slide is titled "AI Breakthroughs, I" and contains a bullet point: "1997: IBM's Deep Blue beats Kasparov." The video player shows a man speaking at a podium. The video title is "Humans, Machines and Work: The Future is Now" by Skyscape Studios, with 1,452 views. The browser address bar shows the URL "https://www.youtube.com/watch?v=T_u2e4Av9JE". The Windows taskbar at the bottom shows various application icons and the system clock indicating 6:05 PM on 1/3/2017.

AI Breakthroughs, I

- 1997: IBM's Deep Blue beats Kasparov.

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Scott Manley
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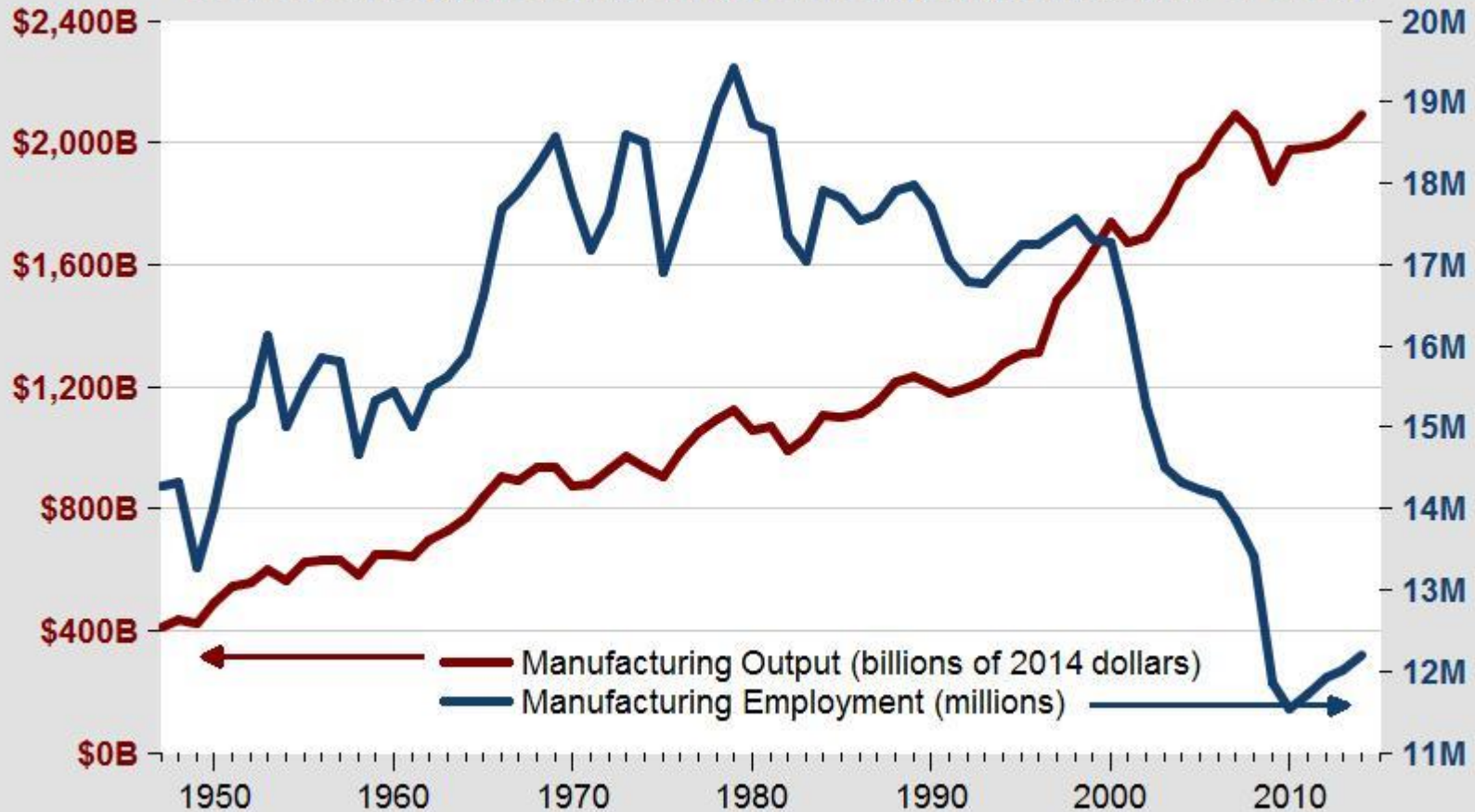
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6:05 PM 1/3/2017

Manufacturing: Output vs. Jobs

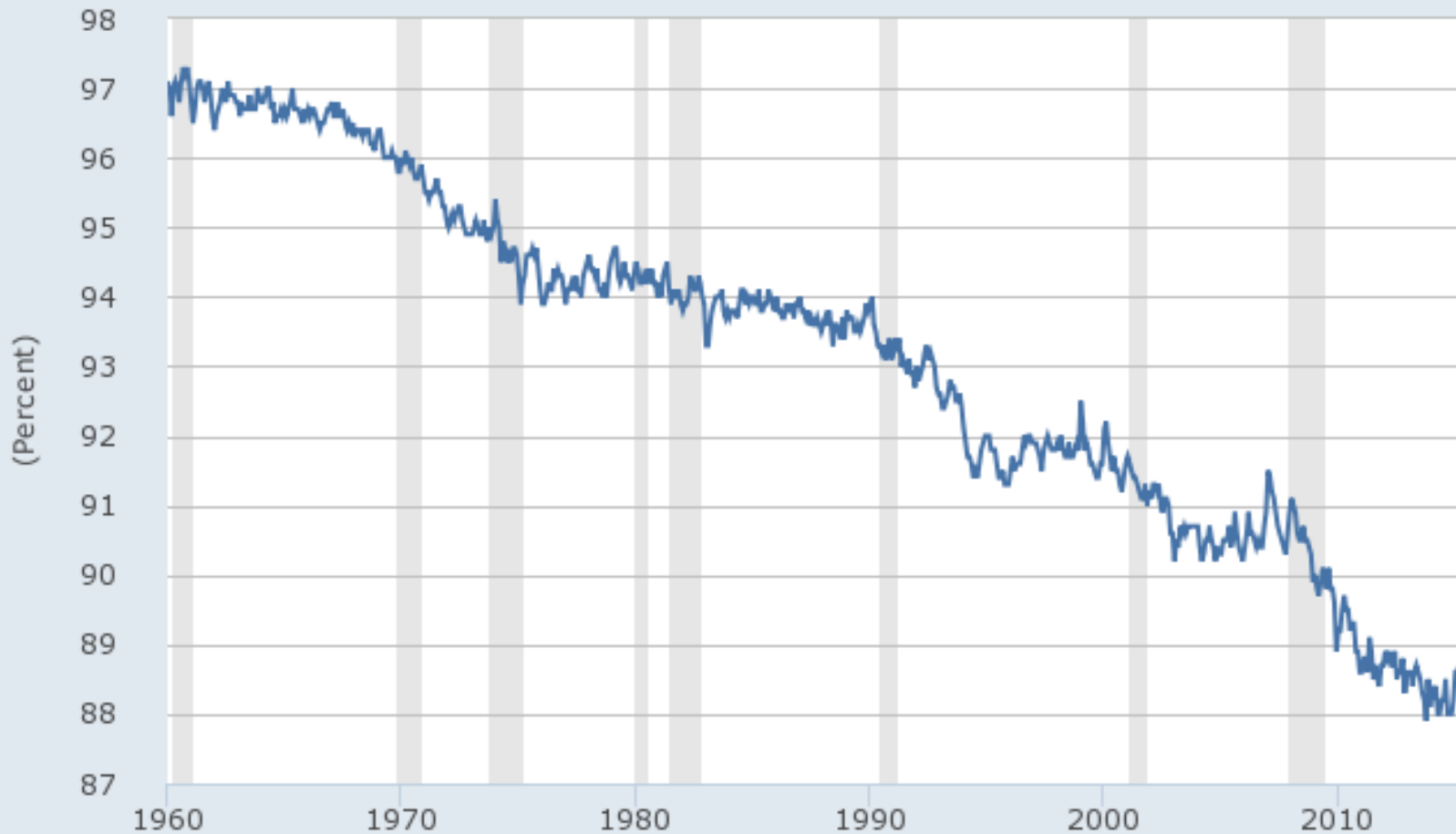
US Real Manufacturing Output vs. Employment, 1947 to 2014



Labor-Force Participation - Men

FRED 

— Activity Rate: Aged 25-54: Males for the United States©



Source: Organization for Economic Co-operation and Development

Shaded areas indicate US recessions - 2015 research.stlouisfed.org

An Academic Conference

◆ Delange.rice.edu



The poster features a central image of a robotic hand with glowing blue joints, pointing upwards. The hand is set against a background of various digital data visualizations, including a circular gauge, a bar chart, and a line graph. The overall color scheme is a mix of teal, blue, and purple.

**HUMANS,
MACHINES**
AND THE
FUTURE OF WORK

DE LANGE CONFERENCE X | DEC. 5-6, 2016 | RICE UNIVERSITY

FLI Proposal - 2015

- ◆ **Proposal:** Information Technology and the Future of Work
- ◆ **Abstract:** We proposed to hold a one-day summit on the subject of information technology and the future of work. The summit should be held in Washington, DC.

Summit -- Timing

- ◆ Original proposal - 2016
- ◆ Postponement 1 -> Spring 2017
 - *Reason:* Washington will be busy with presidential politics
- ◆ Postponement 2 -> Fall 2017
 - *Reason:* Democrats vs Republicans

Discussion

- ◆ **Question:** Is the adverse impact of automation on labor now widely accepted?
- ◆ **Possible Answers:**
 - *Not yet.* Focus summit on impact of automation on labor
 - **Yes:** Focus summit on policy response to said impact.
 - WSJ, Jan. 4: 'Routine' Jobs Are Disappearing