

# **Summit on Technology and Jobs**

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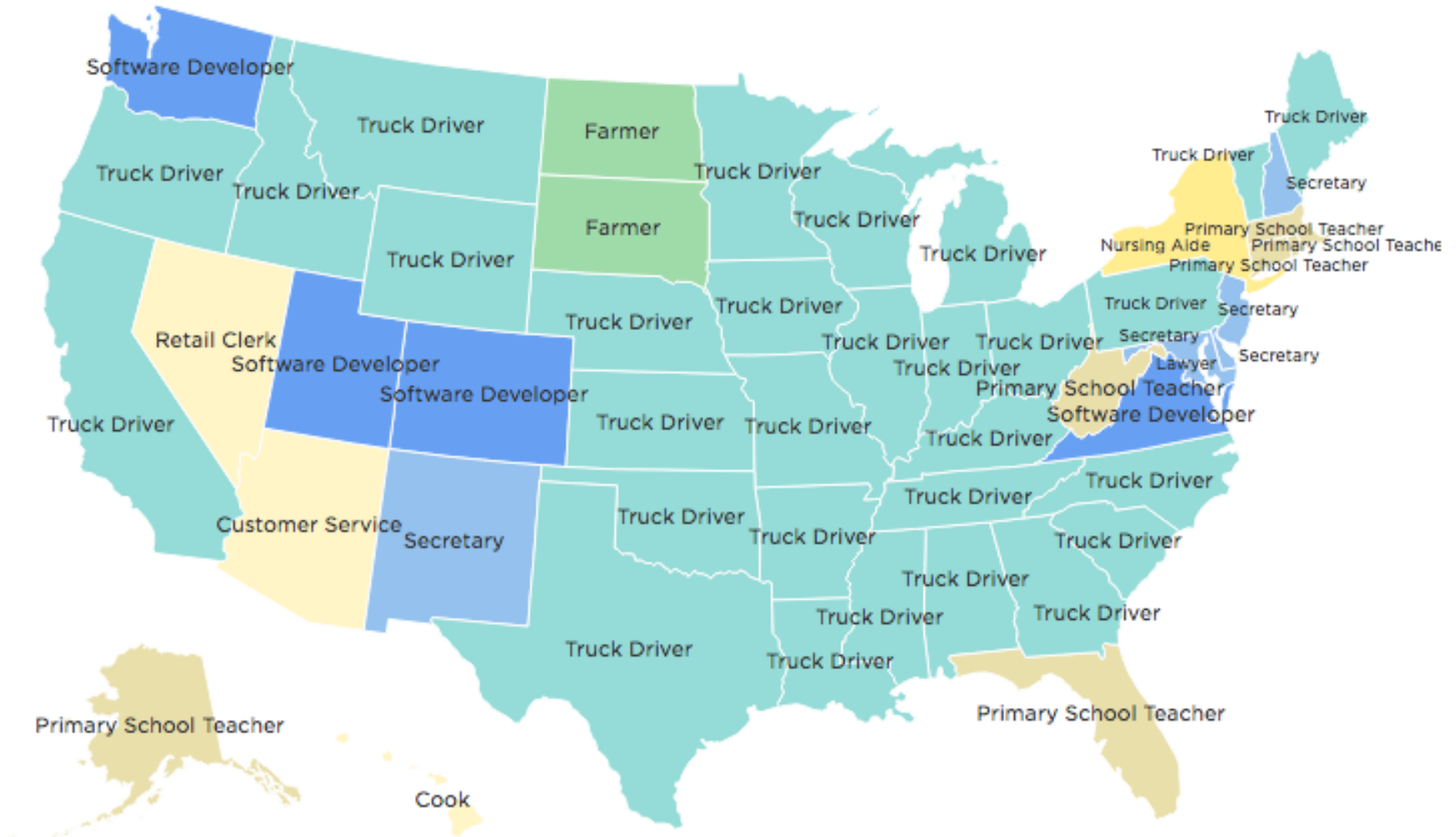
# Personal background

- ◆ 35 years of research on automated reasoning
- ◆ 2011 "jolt": Watson's Jeopardy feat!
  - What societal consequences can we expect of AI?
  - What is my social responsibility?

# Automated Driving

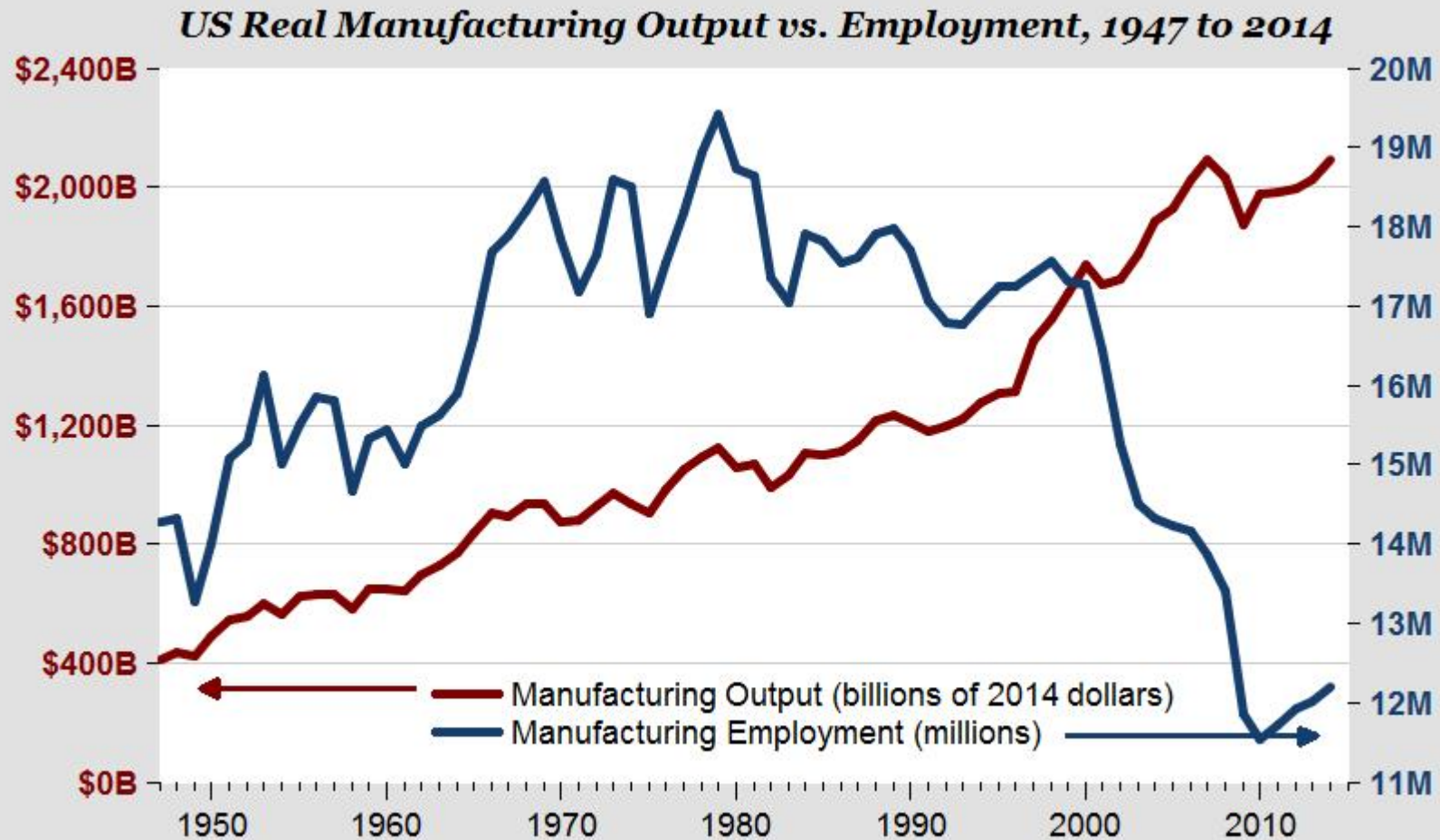


# The Most Common Jobs (2014)

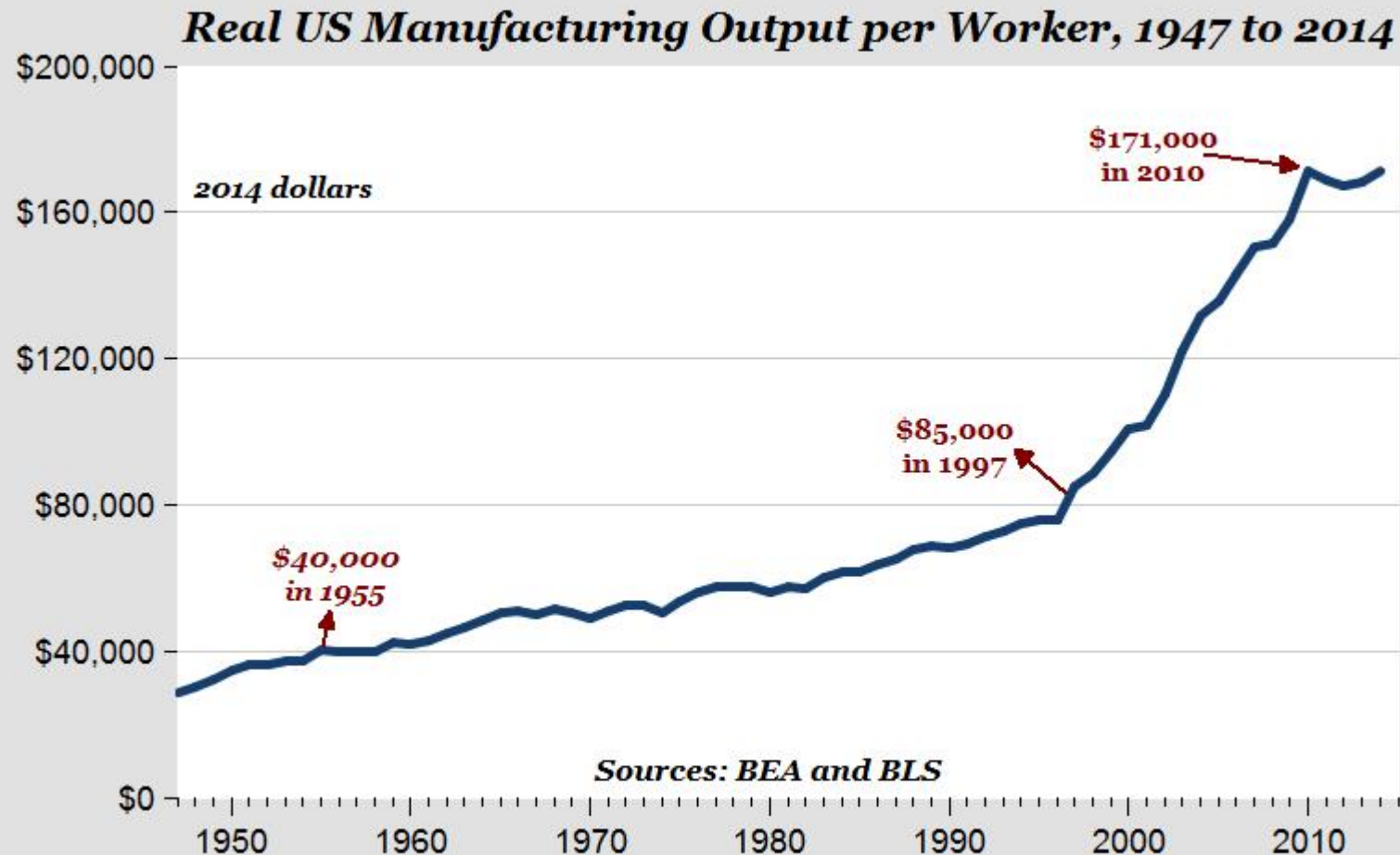




# Manufacturing: Output vs. Jobs



# Driving Force: Automation





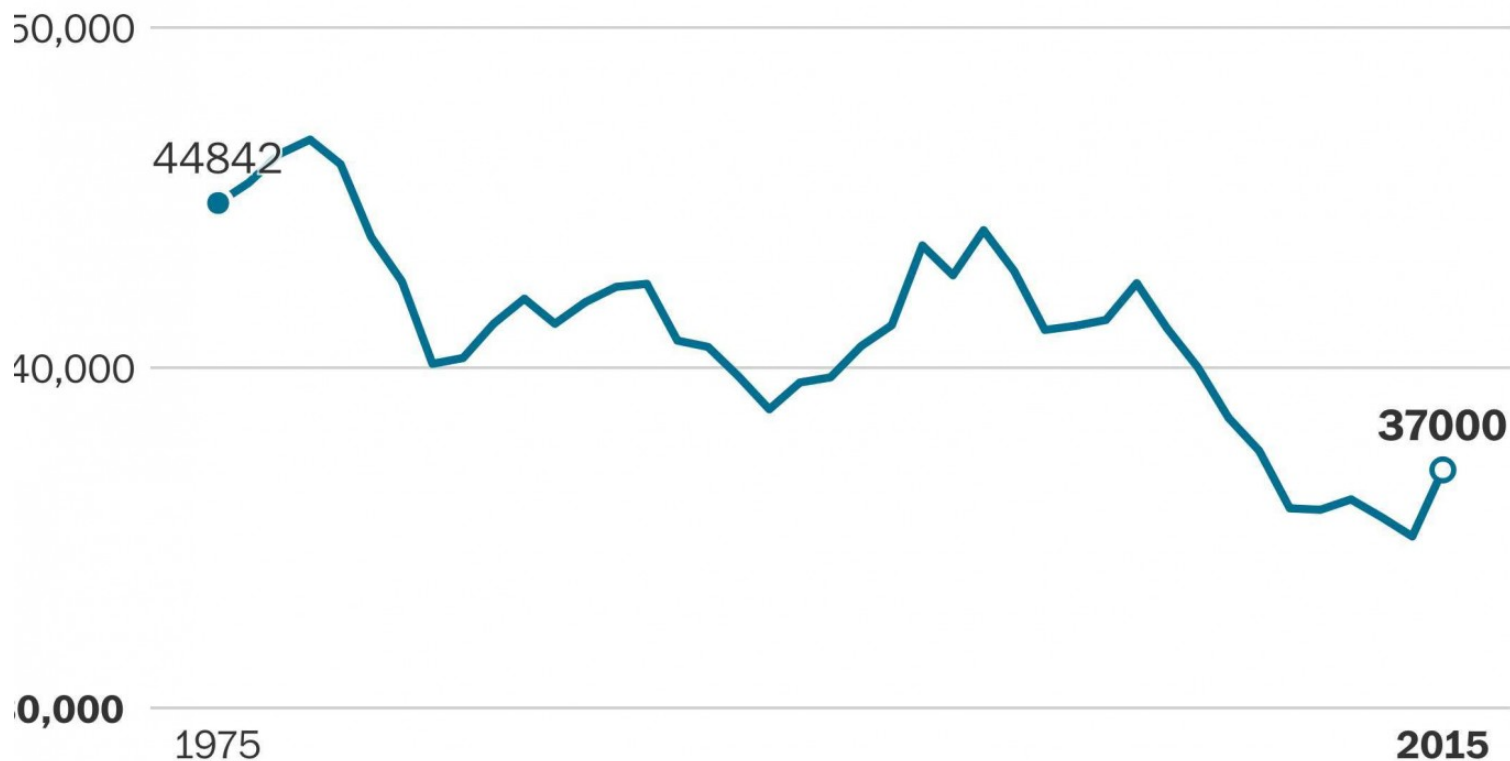
# Tesla Model S Factory Floor



# Real Median Income

## Real median yearly incomes, white men with no college degree

Non-Hispanic white men saw their best income growth in more than a decade in 2015 - but they're still way down from 1975 levels, after adjusting for inflation

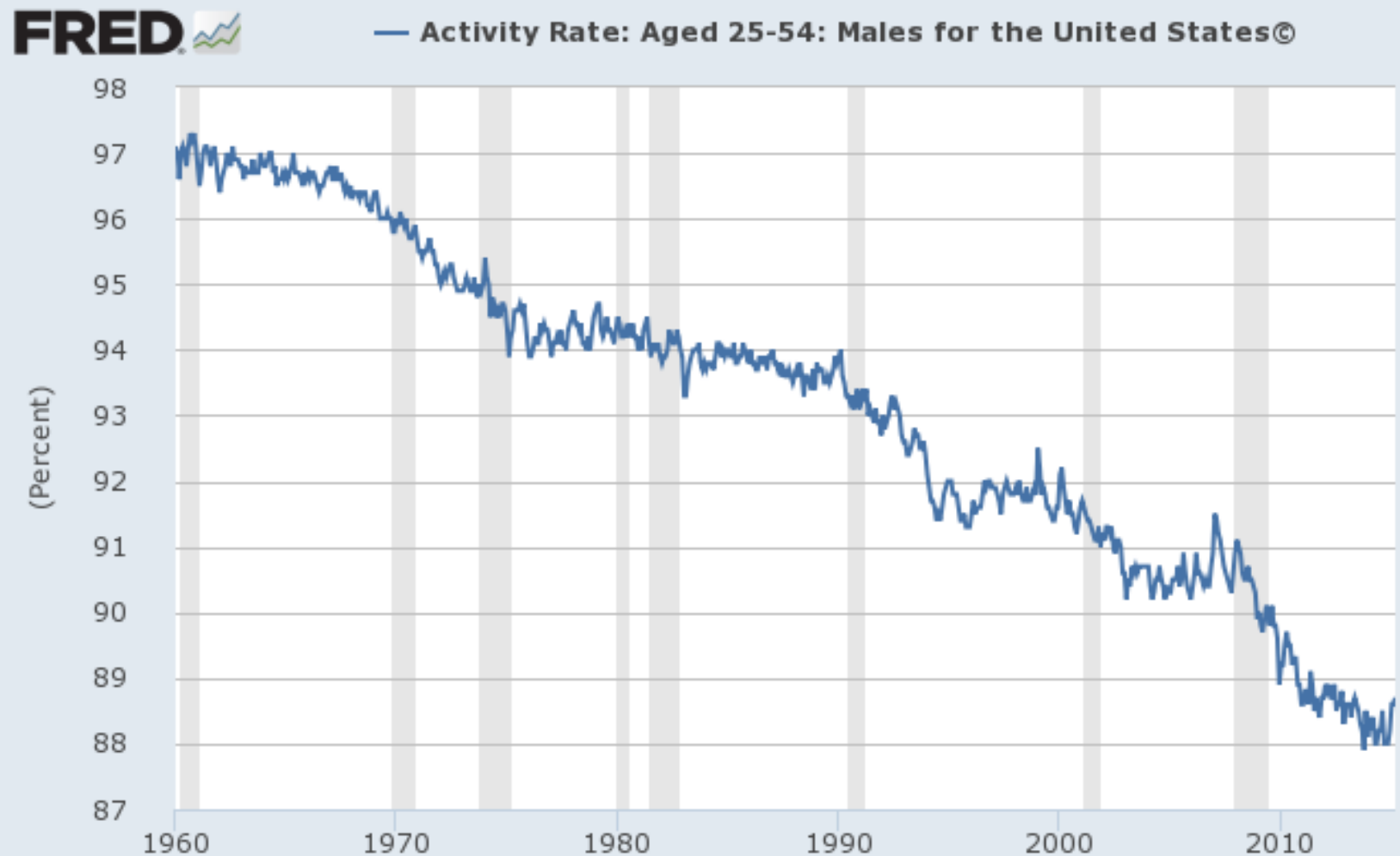


Source: CBPP analysis of Census Bureau data

[WAPO.ST/WONKBLOG](http://WAPO.ST/WONKBLOG)



# Labor-Force Participation - Men



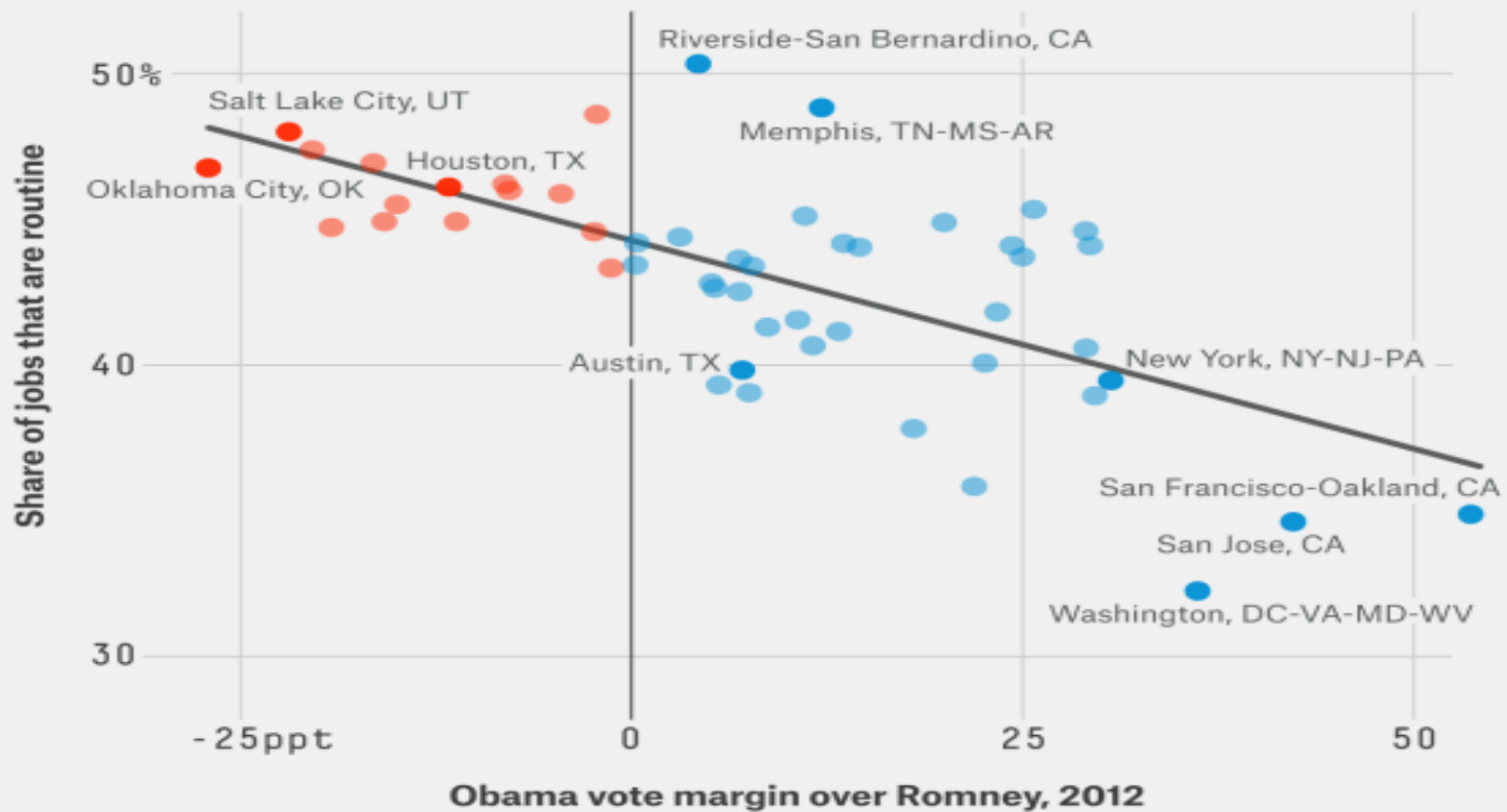
Source: Organization for Economic Co-operation and Development

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

# Political Consequences

## Republican-leaning metros have more routine jobs

Share of jobs that are routine vs. Obama's vote margin over Romney in the 2012 presidential election, by metropolitan area\*



\*Metropolitan area names have been shortened from the official census versions



BASED ON DATA FROM THE AMERICAN COMMUNITY SURVEY, DAVE LEIP'S ATLAS OF U.S. PRESIDENTIAL ELECTIONS

# Computing Research Association

**CRA's mission:** Enhance innovation by joining with industry, government, and academia to strengthen research and advanced education in computing - see *cra.org*

**Specifically:** Engage the computing research community to provide trusted, non-partisan input to policy thinkers and makers.

**Why CRA and Jobs?** "*With great power comes great responsibility*." (Voltaire)

We created this technology; we must accept our *social responsibility*.



# Sponsors

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# Logistics

- ◆ Event is livestreamed
- ◆ Guest network is open
- ◆ Tweeting: @CRAtweet, #futureofwork
- ◆ Stay on time!