

JFF

THE FUTURE OF LEARNING MEETS THE FUTURE OF WORK

PRESENTED BY

Stephen Yadzinski, Managing Director,
Acceleration, JFF Labs

Lucretia Murphy, Senior Director

AGENDA

Introduction, JFFLabs

The Age of Automation

Q&A

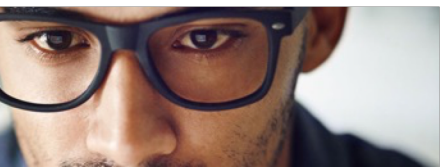
Activity 1

Activity 2

Survey



JFFLABS





- Acceleration
- Incubation
- Corporate Advising
- Investment





JFFLABS FUNCTIONS

ACCELERATION

Leverage JFF core capabilities and networks to accelerate development and dissemination of innovative solutions we select.



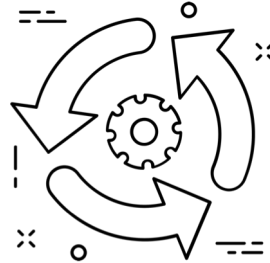


JFF Labs works with entrepreneurs and growth stage companies to accelerate and scale their technology-based solutions.



Identify and Select

Great ideas, entrepreneurs, and companies who are stakeholder and mission aligned. Separating signal from noise in the market by vetting and organizing workforce and education technologies.



Acceleration

Leveraging JFF and JFF Labs networks, acceleration partner companies receive bespoke development support and opportunities uncommon among other accelerator programs.



Market Engagement

By engaging and catalyzing markets, we create value for companies, system stakeholders, and most importantly workers and employers.

TOMORROW AT 11:AM

STARTUPS AT THE FRONTLINES OF CHANGE

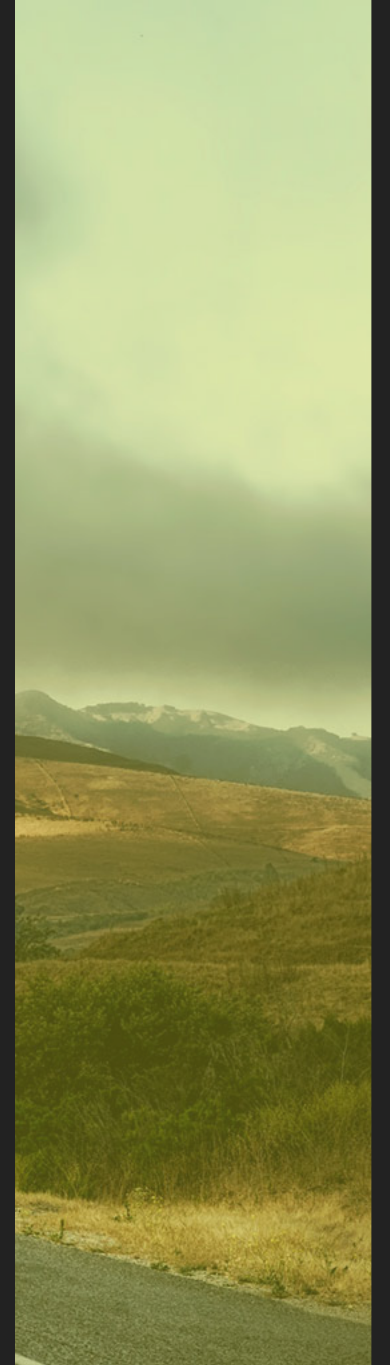
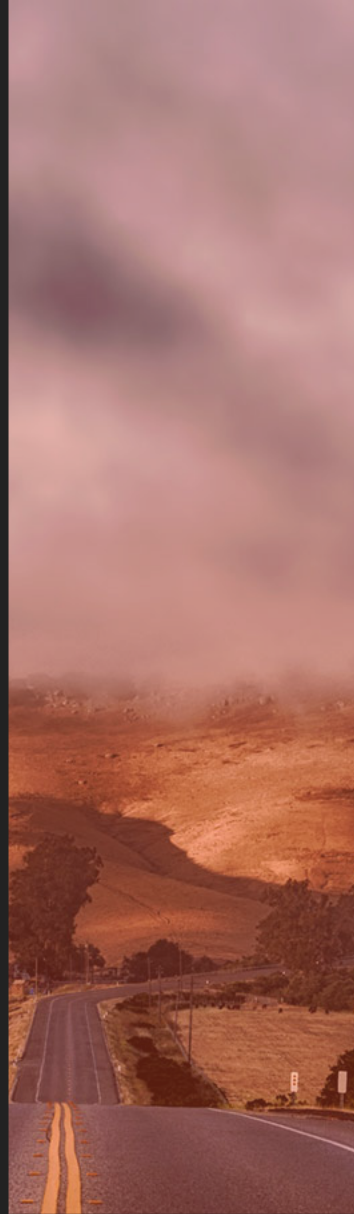
Join JFF Labs and three of their acceleration partners, Catalyte, LaunchPath, and Nepris, for an interactive session to discuss how startups today can help us drive to better education outcomes and career opportunities.

catalyte

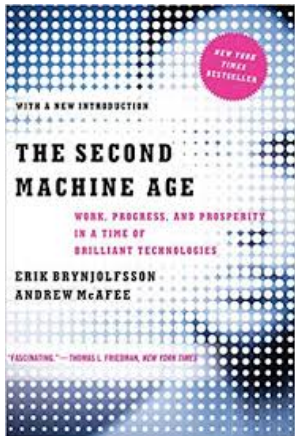
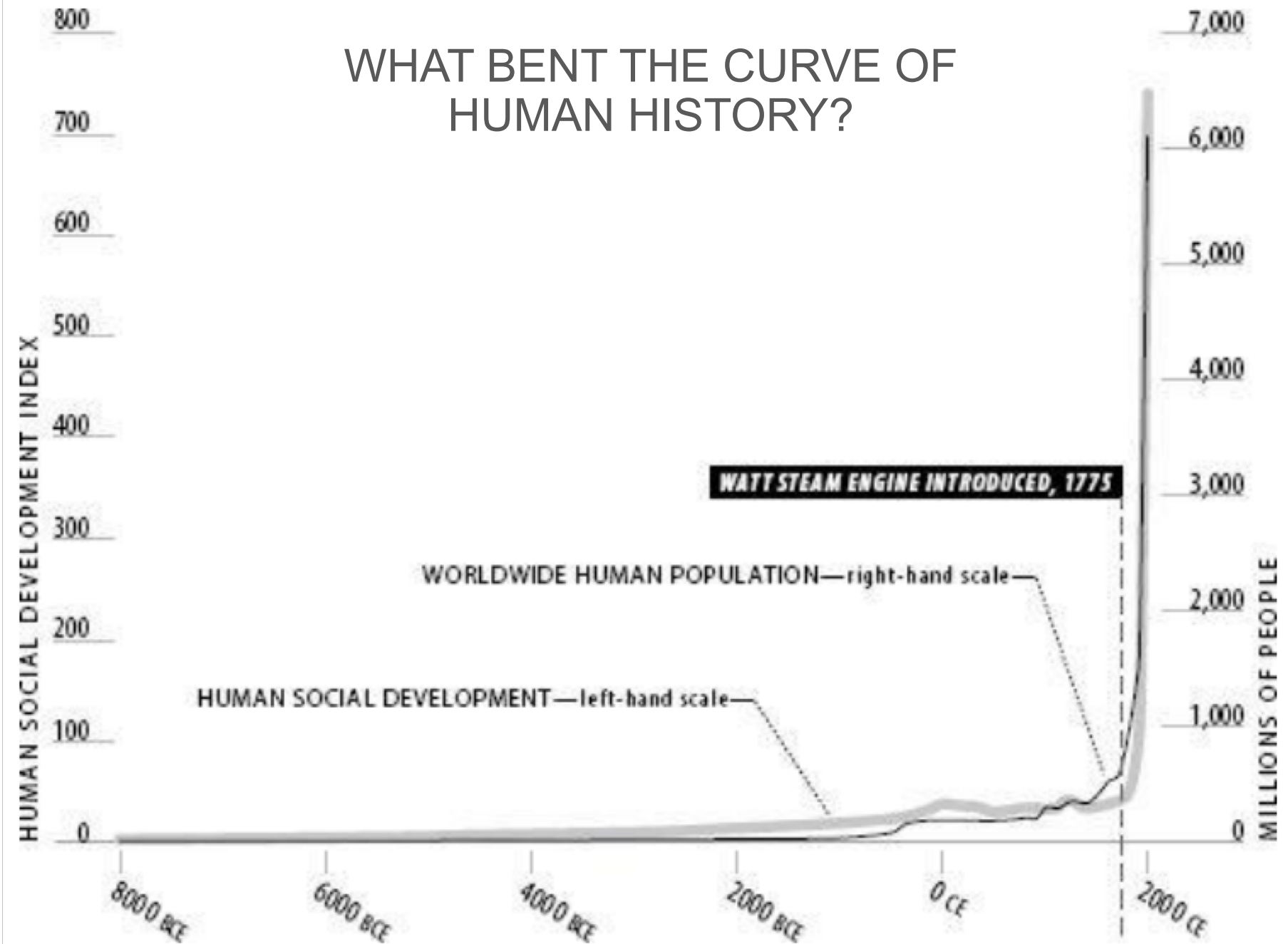


THE AGE OF AUTOMATION

*How I learned to Stop Worrying and
Love Automation*



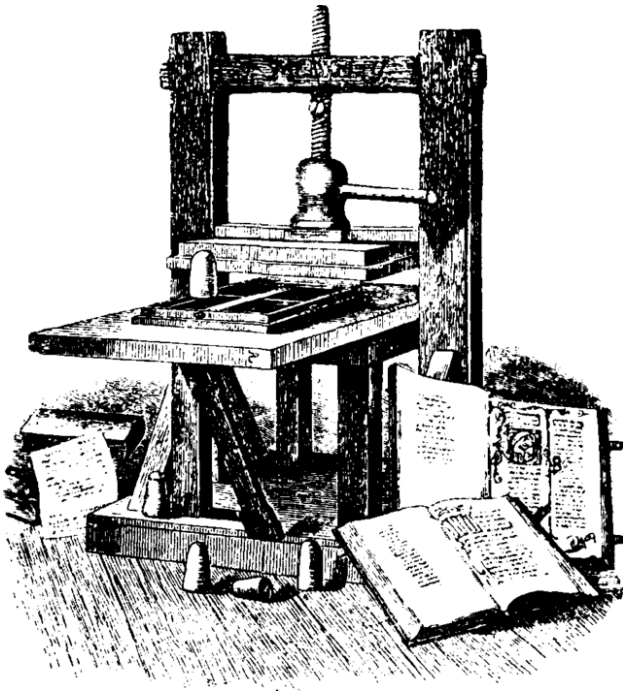
WHAT BENT THE CURVE OF HUMAN HISTORY?



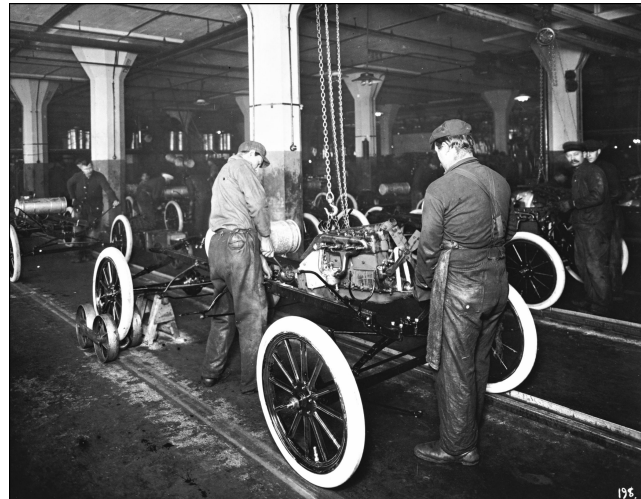
SOURCE: The Second Machine Age, Erik Brynjolfsson and Andrew McAfee

EXTENDING HUMAN CAPABILITY AND UNDERSTANDING

AUTOMATION'S RICH HISTORY



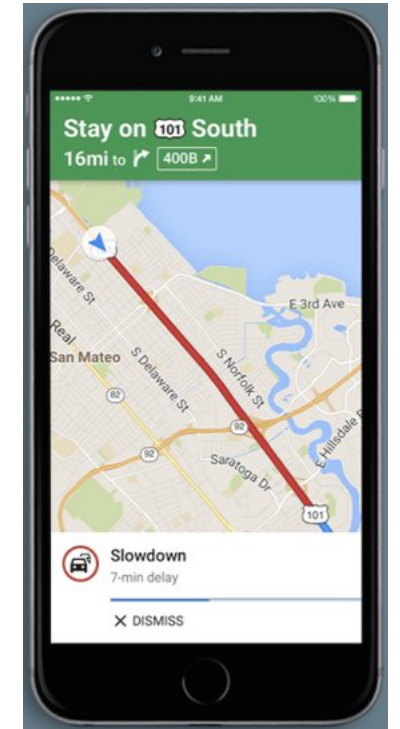
GUTENBERG'S PRESS
1436



FORD ASSEMBLY LINE
1913



THE CLAPPER
1985



GOOGLE TRAFFIC
2007

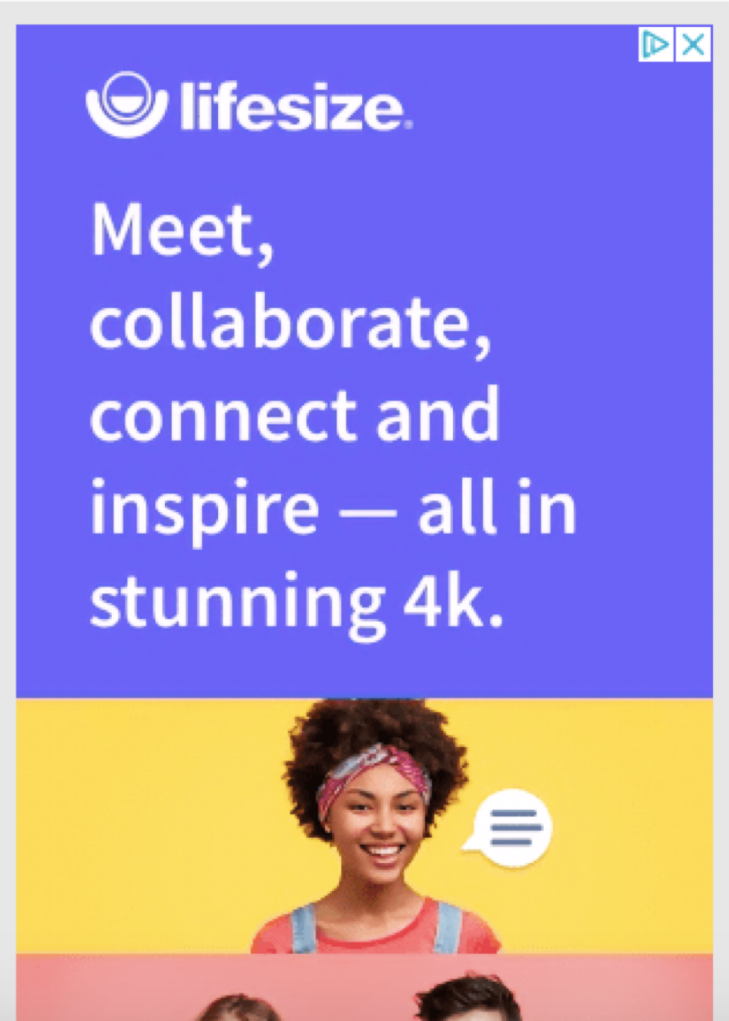
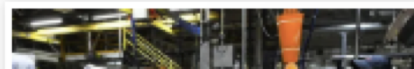
Automation could kill 73 million U.S. jobs by 2030


[Paul Davidson](#), USA TODAY

Published 7:00 p.m. ET Nov. 28, 2017 | Updated 8:39 p.m. ET Nov. 28, 2017



A new report from Payscale suggests automation jobs will put 10,000 people to work, and big companies will spend \$650 million on annual salaries to make it happen. Sean Dowling (@seandowlingtv) has more. Buzz60



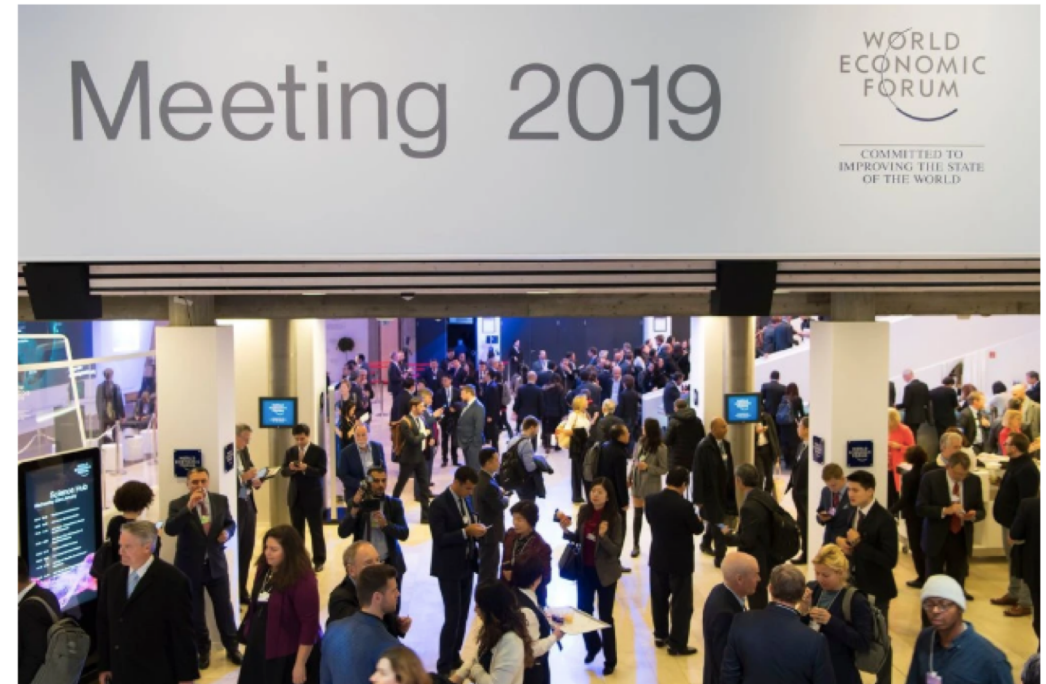
 Meet, collaborate, connect and inspire — all in stunning 4k.

“Earlier they had incremental, 5 to 10 percent goals in reducing their work force. Now they’re saying, ‘Why can’t we do it with 1 percent of the people we have?’”

— Mohit Joshi, the president of Infosys

THE SHIFT

The Hidden Automation Agenda of the Davos Elite



This year's World Economic Forum in Davos, Switzerland, where business leaders' public positions on automation's impact on workers did not match the views they shared privately. Laurent Gillieron/EPA, via Shutterstock

By **Kevin Roose**

Jan. 25, 2019



DAVOS, Switzerland — They'll never admit it in public, but many of your bosses want machines to replace you as soon as possible.

I know this because, for the past week, I've been mingling with

1,041 views | Dec 27, 2018, 08:00am

Why AI Is Good News For The Human Workforce

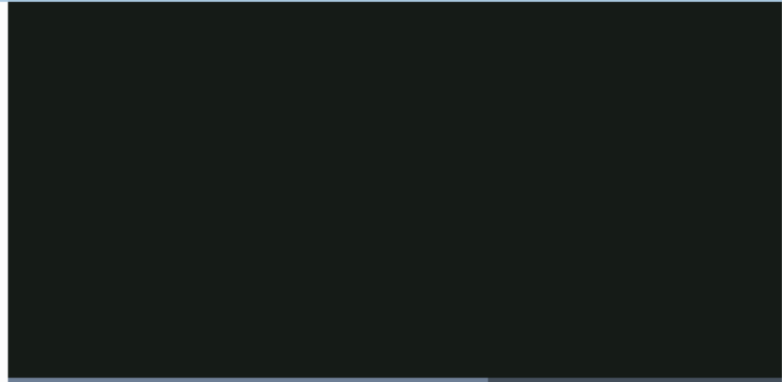


Christian Reilly Forbes Council
Forbes Technology Council CommunityVoice

POST WRITTEN BY
Christian Reilly

Christian Reilly is CTO at [Citrix](#).

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The Path to Predictive Analytics and Machine Learning

Prepare your organization for machine learning and AI by moving to predictive analytics.

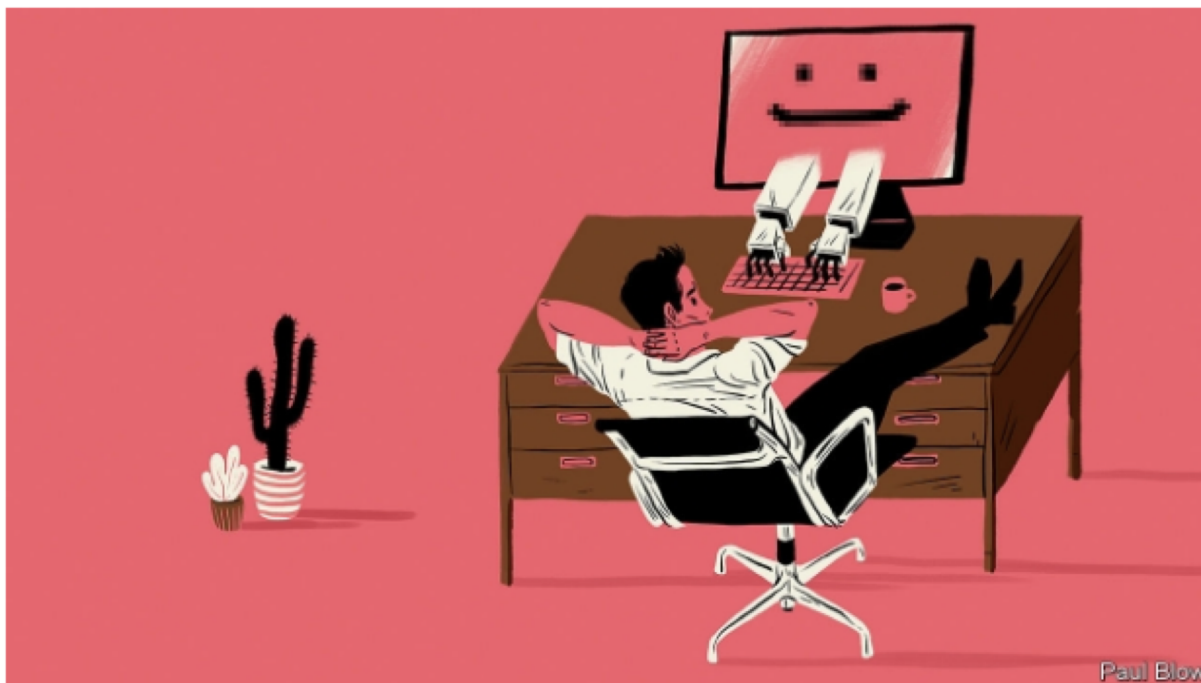
MemSQL

OPEN >

Bartleby

AI may not be bad news for workers

A new report argues that it can help them with their jobs



Print edition | Business >

Sep 13th 2018



Advertisement

Consumers act as champions of brands they believe in—and foils to those they don't.

Purpose is not just a responsibility, it's a **competitive edge**.

Read more on the importance of purpose to a company's bottom line. >



accenturestrategy

A CONTINUUM

RESPONSE TO AUTOMATION



Nightmares!

*“Despite the appearance of many new human jobs, we might nevertheless witness the rise of **a new useless class.**”*

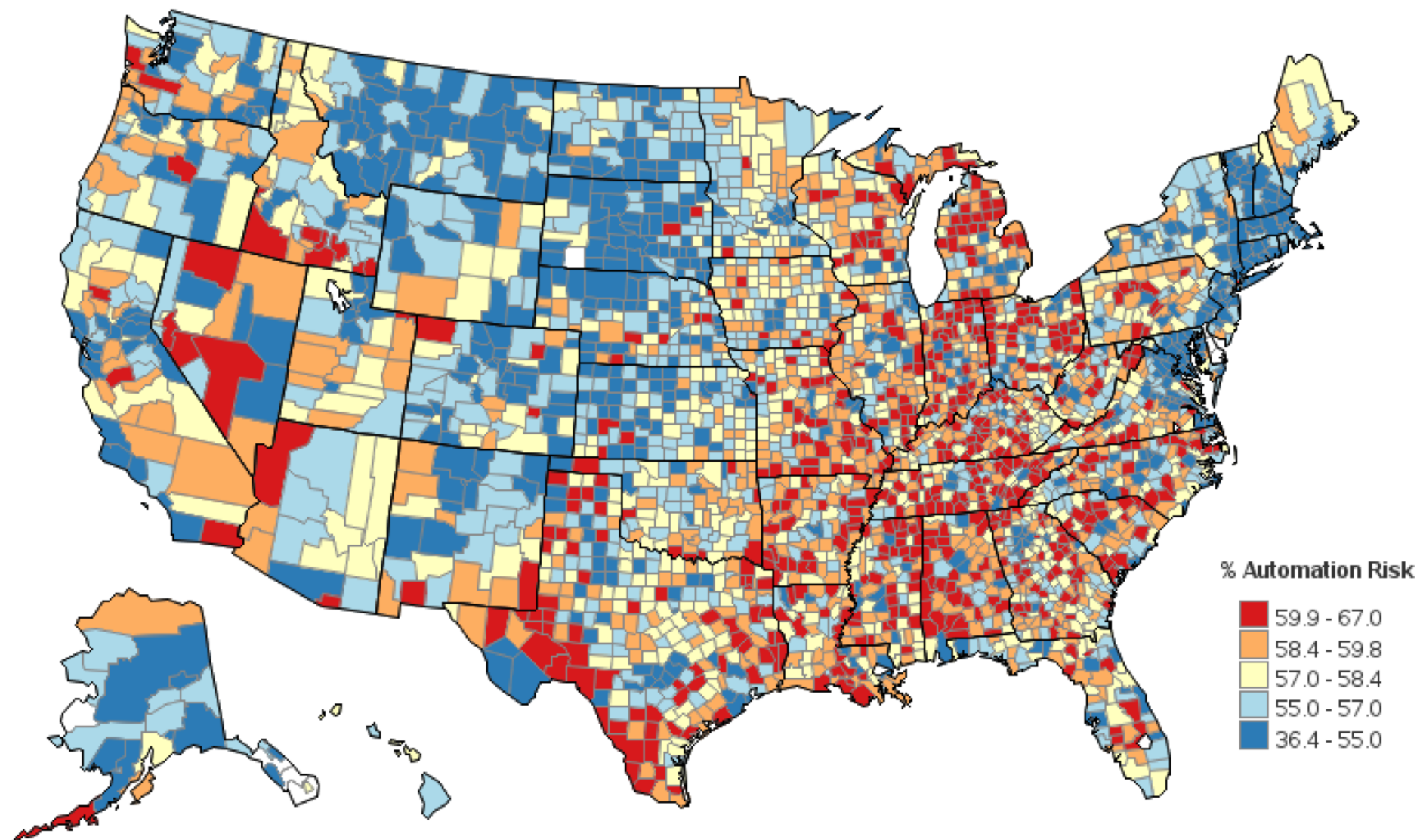
— Yuval Noah Harari, 21 Lessons for the 21st Century

Roses!

*“If we do it right, we might actually be able to evolve a form of work that taps into our uniquely human capabilities and **restores our humanity.**”*

— John Hagel

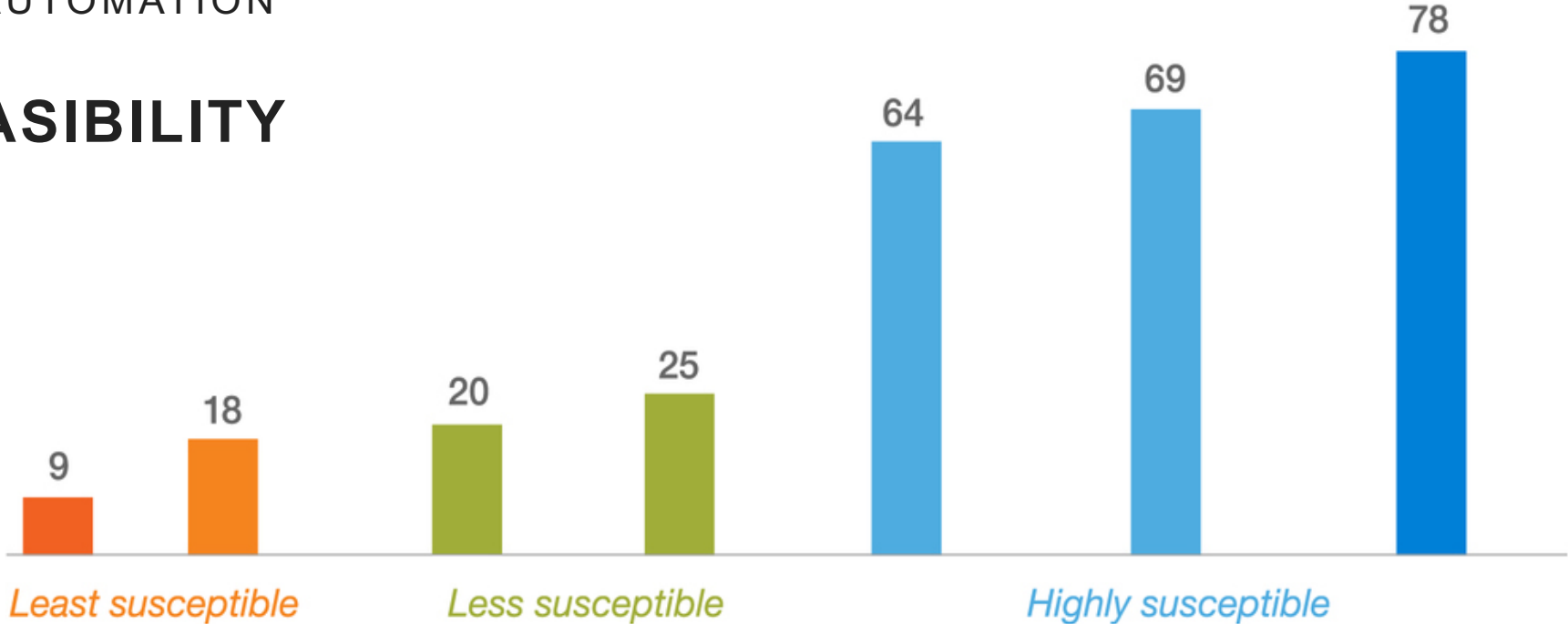
US Relative Automation Risk to Employment



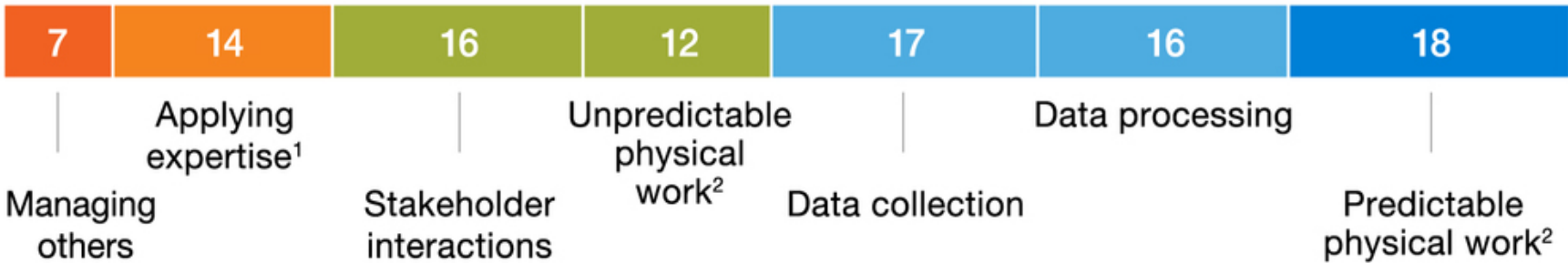
SUSCEPTIBILITY TO AUTOMATION

TECHNICAL FEASIBILITY

% of time spent on activities that can be automated by adapting currently demonstrated technology



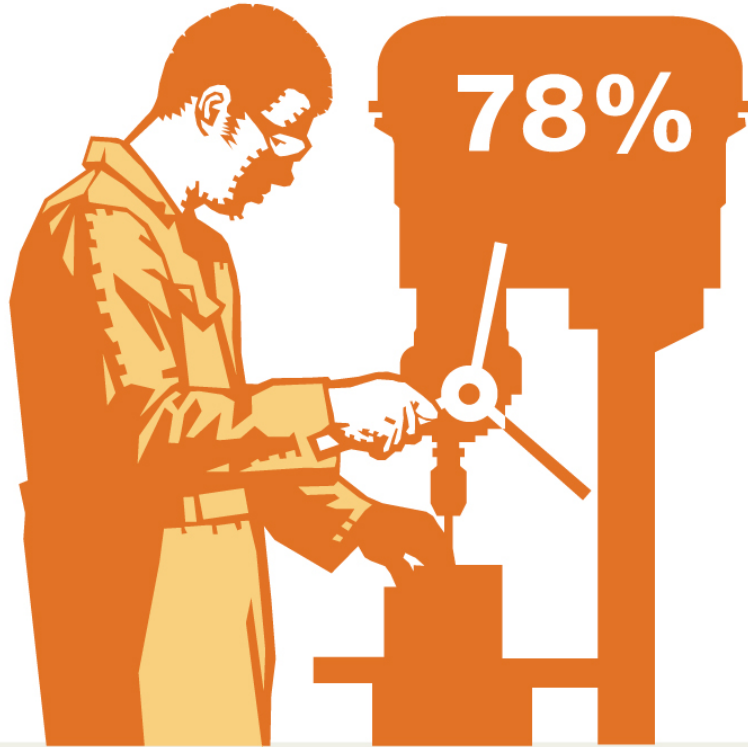
Time spent in all US occupations, %



SOURCE: US Bureau of Labor Statistics; McKinsey Global Institute analysis

Technical feasibility of automation, %¹

Predictable physical work



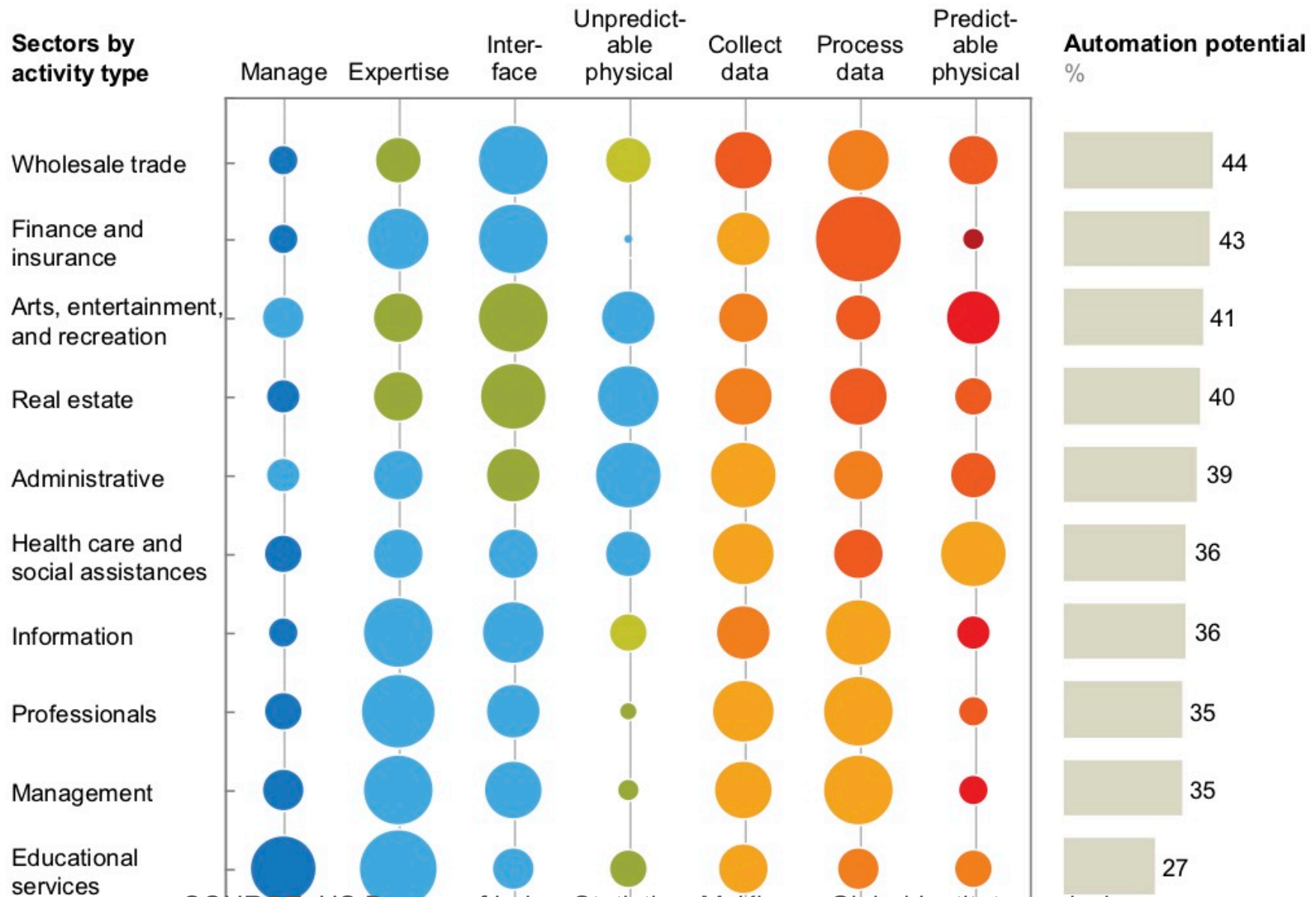
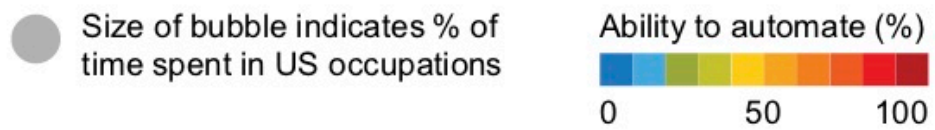
For example, welding and soldering on an assembly line, food preparation, or packaging objects

Unpredictable physical work



For example, construction, forestry, or raising outdoor animals

¹% of time spent on activities that can be automated by adapting currently demonstrated technology.

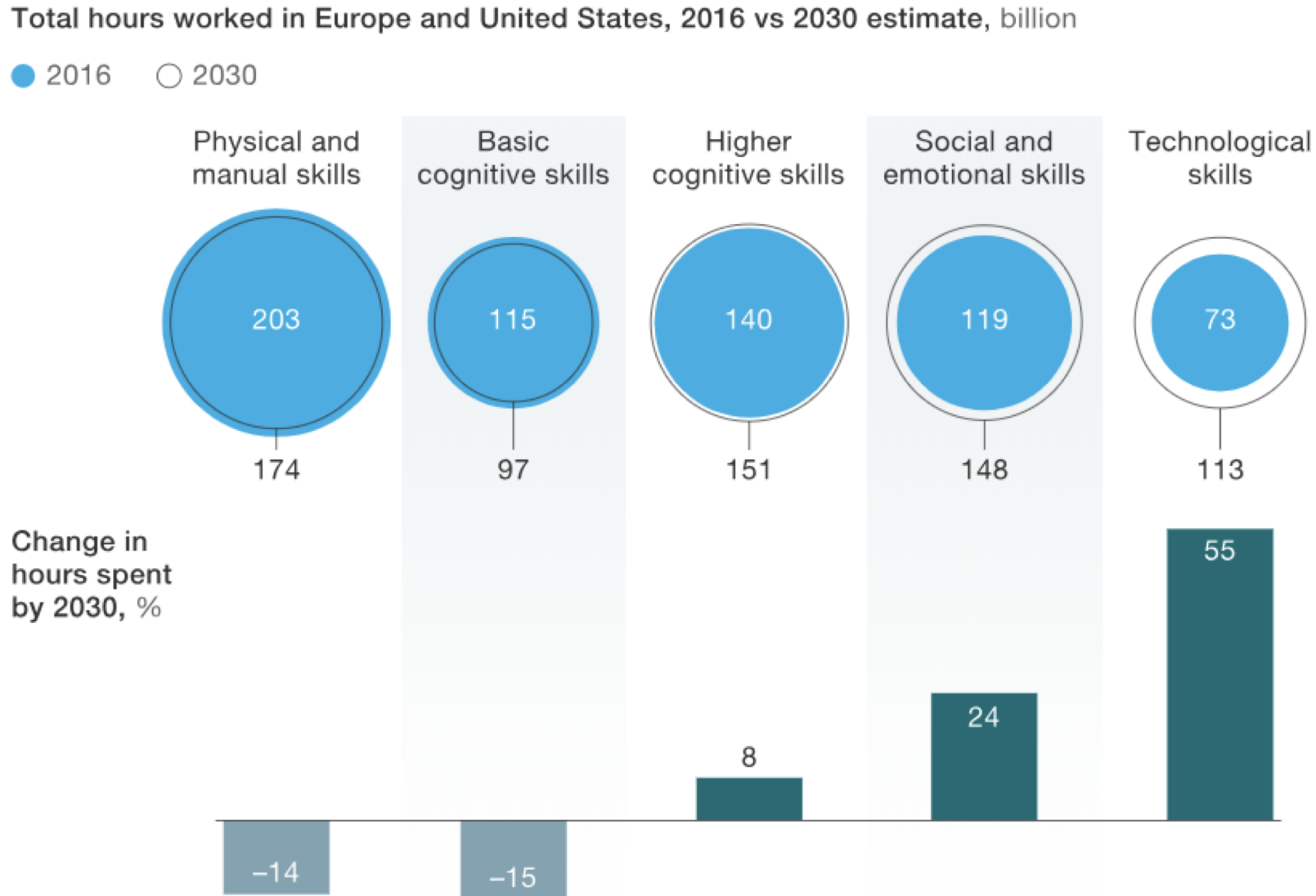


SOURCE: US Bureau of Labor Statistics; McKinsey Global Institute analysis



2016 - 2030

SHIFT IN WORKPLACE SKILLS



TECHNOLOGY SUPPORTED GUIDED PATHWAYS

FIGHT FIRE WITH FIRE



The screenshot shows the AcademyOne website. The header is blue with the AcademyOne logo on the left and navigation links (Products, Services, Customers, About, Blog, News) and a 'Let's Talk' button on the right. The main content area has a white background. The title 'Automating Guided Pathways' is centered. Below it is the subtitle 'Establishing and supporting prescriptive college pathways. Help learners get to the finish line.' To the left, there is a section titled 'Taking care of customers.' with a clipboard icon and a paragraph of text. To the right, there is a section titled 'Automating Guided Pathways.' with a list of four bullet points.

AcademyOne

Products Services Customers About Blog News Let's Talk

Automating Guided Pathways

Establishing and supporting prescriptive college pathways.
Help learners get to the finish line.

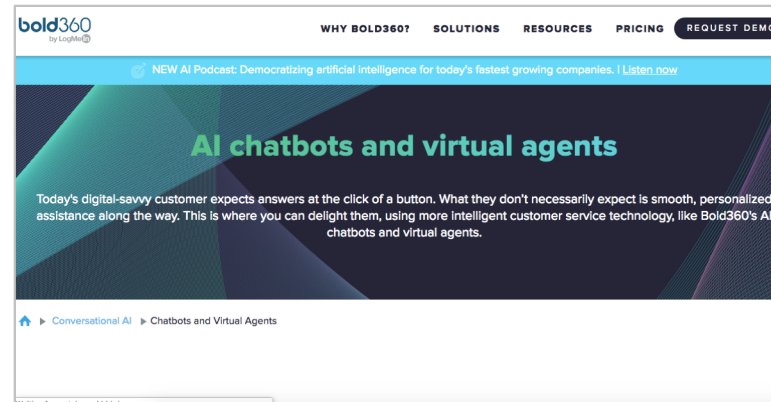
Taking care of customers.

Guided Pathways are prescriptive checklists enabling learners to follow a sequence of course subjects (learning experiences) so that they can earn a recognizable credential. A pathway could be designed as self-contained or shared among participating institutions. They reveal the staging of the

Automating Guided Pathways.

- ✓ Study your past enrollment sources and determine targets that could be best served by a Guided Pathway.
- ✓ Develop the requirements and conditions for the selected learning sources. Enter them into the Pathway Builder and publish the Pathway.
- ✓ Learners, faculty and administrators can now explore the Guided Pathways, follow them and when ready, submit a Petition for Credit.
- ✓ Bridge source institutions, academic divisions and departments to yours. Focus on the most relevant courses of study.

USING AI TO DEVELOP GUIDED PATHWAYS



The screenshot shows the bold360 website. The header is white with the bold360 logo on the left and navigation links (WHY BOLD360?, SOLUTIONS, RESOURCES, PRICING, REQUEST DEMO) on the right. The main content area has a dark background with a blue and green geometric pattern. The title 'AI chatbots and virtual agents' is centered in green. Below it is a paragraph of text. At the bottom, there is a navigation bar with a home icon and links to 'Conversational AI' and 'Chatbots and Virtual Agents'.

bold360 by LogMeIn

WHY BOLD360? SOLUTIONS RESOURCES PRICING REQUEST DEMO

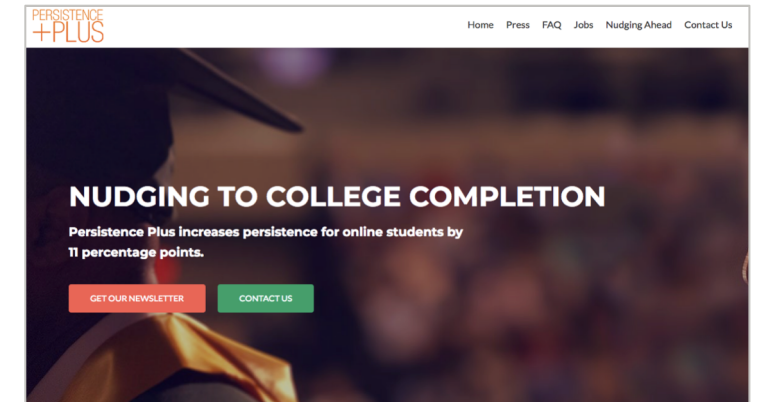
NEW AI Podcast: Democratizing artificial intelligence for today's fastest growing companies. Listen now

AI chatbots and virtual agents

Today's digital-savvy customer expects answers at the click of a button. What they don't necessarily expect is smooth, personalized assistance along the way. This is where you can delight them, using more intelligent customer service technology, like Bold360's AI chatbots and virtual agents.

Conversational AI Chatbots and Virtual Agents

CHATBOTS TO AID ENROLMENT AND COURSE SELECTION



The screenshot shows the Persistence Plus website. The header is white with the Persistence Plus logo on the left and navigation links (Home, Press, FAQ, Jobs, Nudging Ahead, Contact Us) on the right. The main content area has a dark background with a blurred image of a person. The title 'NUDGING TO COLLEGE COMPLETION' is centered in white. Below it is a paragraph of text. At the bottom, there are two buttons: 'GET OUR NEWSLETTER' and 'CONTACT US'.

PERSISTENCE +PLUS

Home Press FAQ Jobs Nudging Ahead Contact Us

NUDGING TO COLLEGE COMPLETION

Persistence Plus increases persistence for online students by 11 percentage points.

GET OUR NEWSLETTER CONTACT US

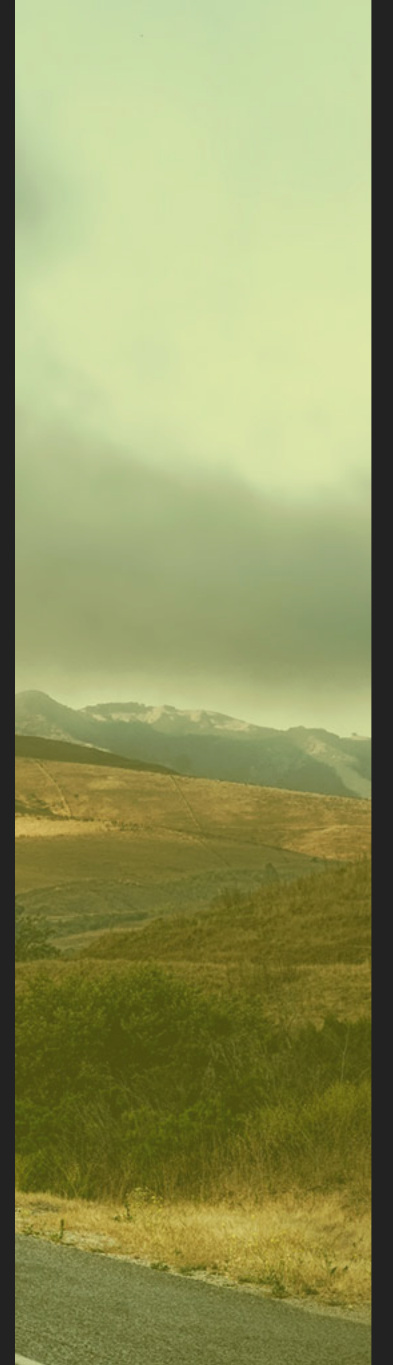
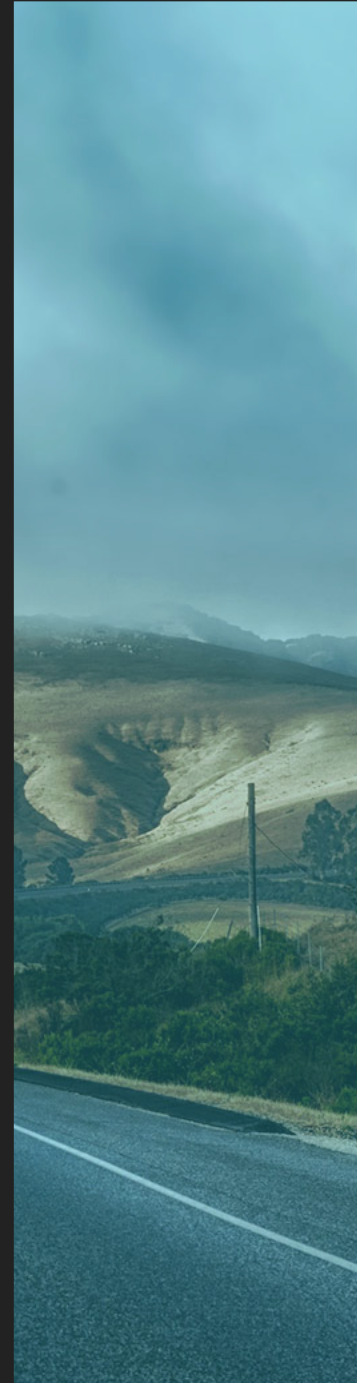
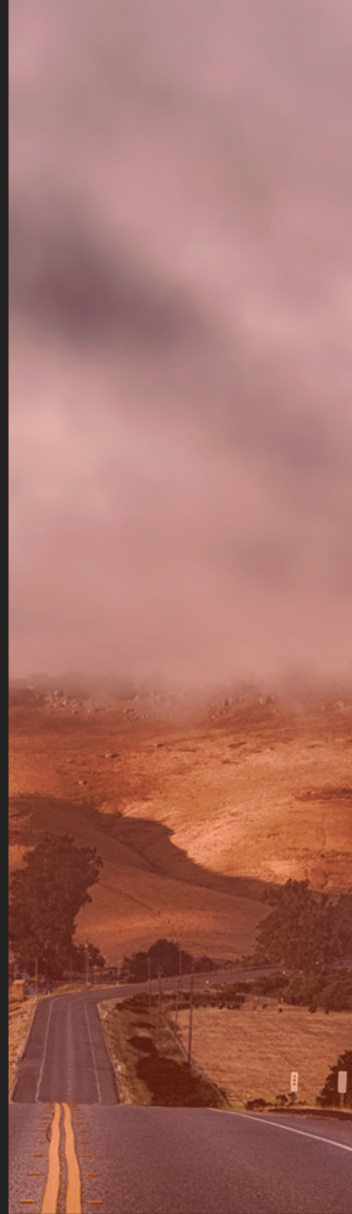
AI SUPPORTED NUDGING AND COMPLETION SUPPORT

Questions and Discussion

~ 5 minutes

ACTIVITY 1

Group Brainstorming



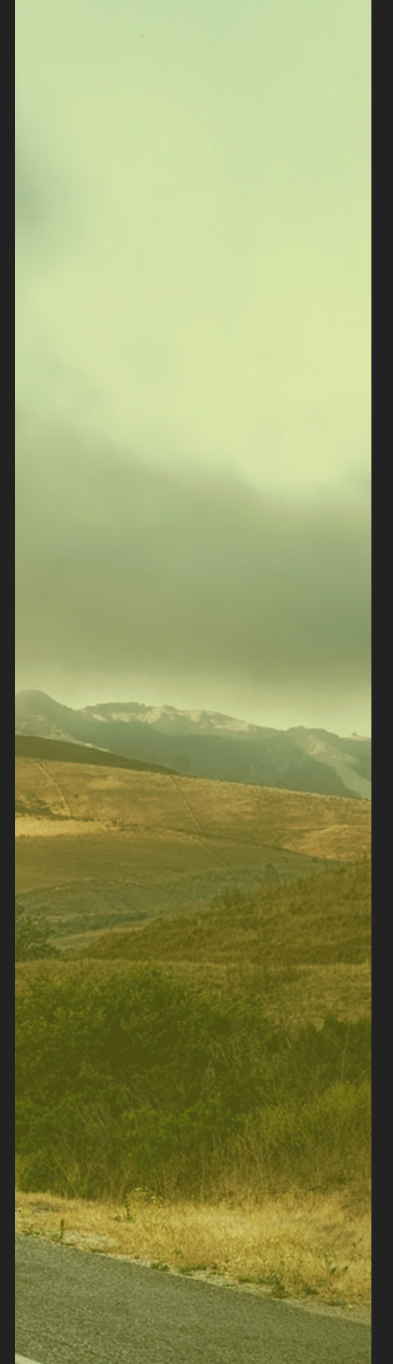
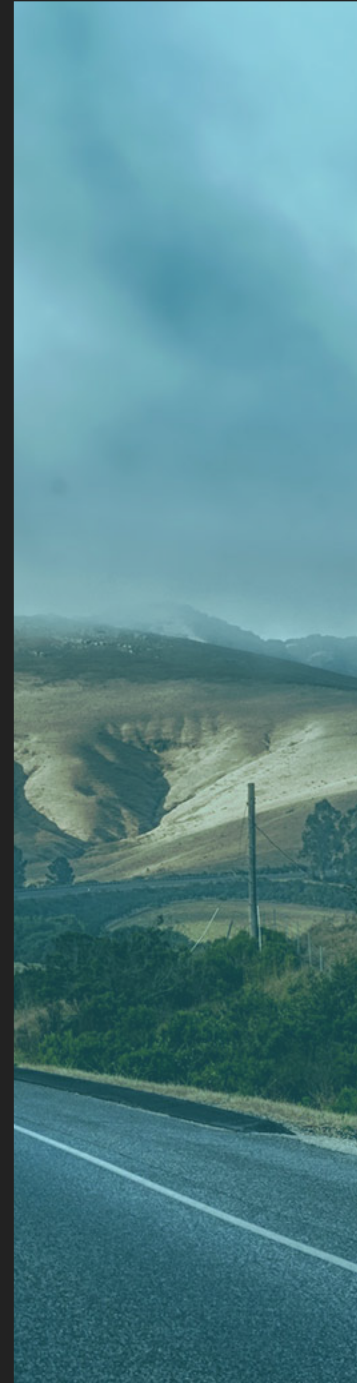
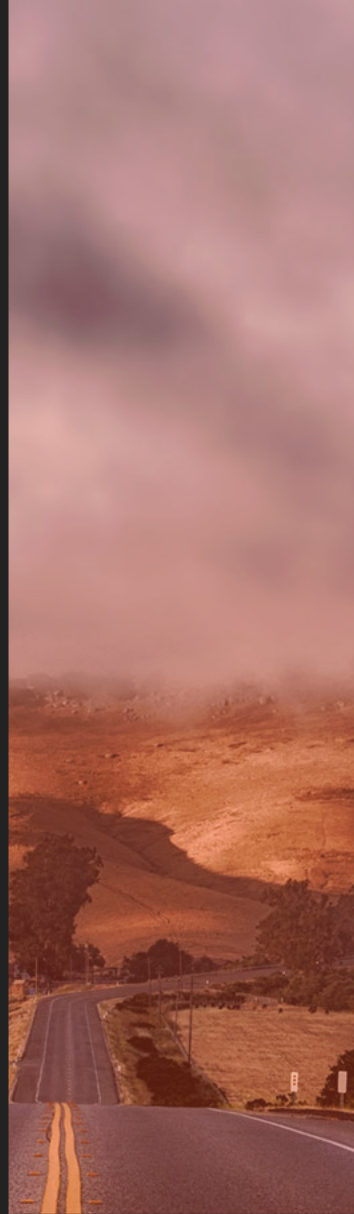
ACTIVITY 1

GROUP BRAINSTORMING

When you consider the future of work and learning, how prepared are you to navigate anticipated changes? Where are you not ready?

ACTIVITY 2

Three, Two, One



ACTIVITY 2

THREE, TWO, ONE

THREE opportunities to use technology to address challenges you face.

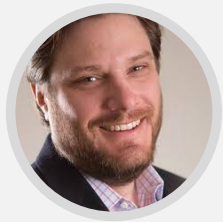
TWO people to speak with about these opportunities.

ONE action you can take today.

THANK YOU

Please take our feedback survey:

<https://www.surveymonkey.com/r/PSNFeedbackForm>



**STEPHEN
YADZINSKI**

Managing Director,
Acceleration, JFF Labs



**LUCRETIA
MURPHY**

Senior Director



VISIT US TODAY AT **JFF.ORG**