

**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

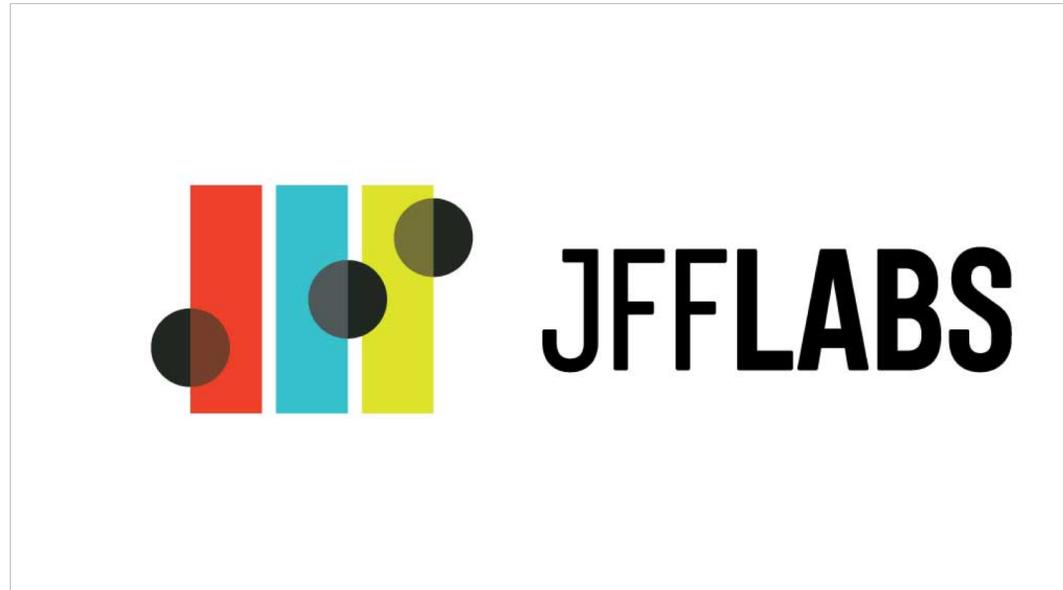
The Age of Automation

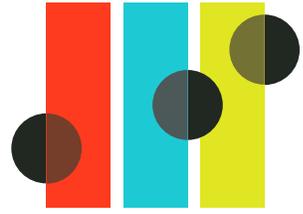
Q&A

Activity 1

Activity 2

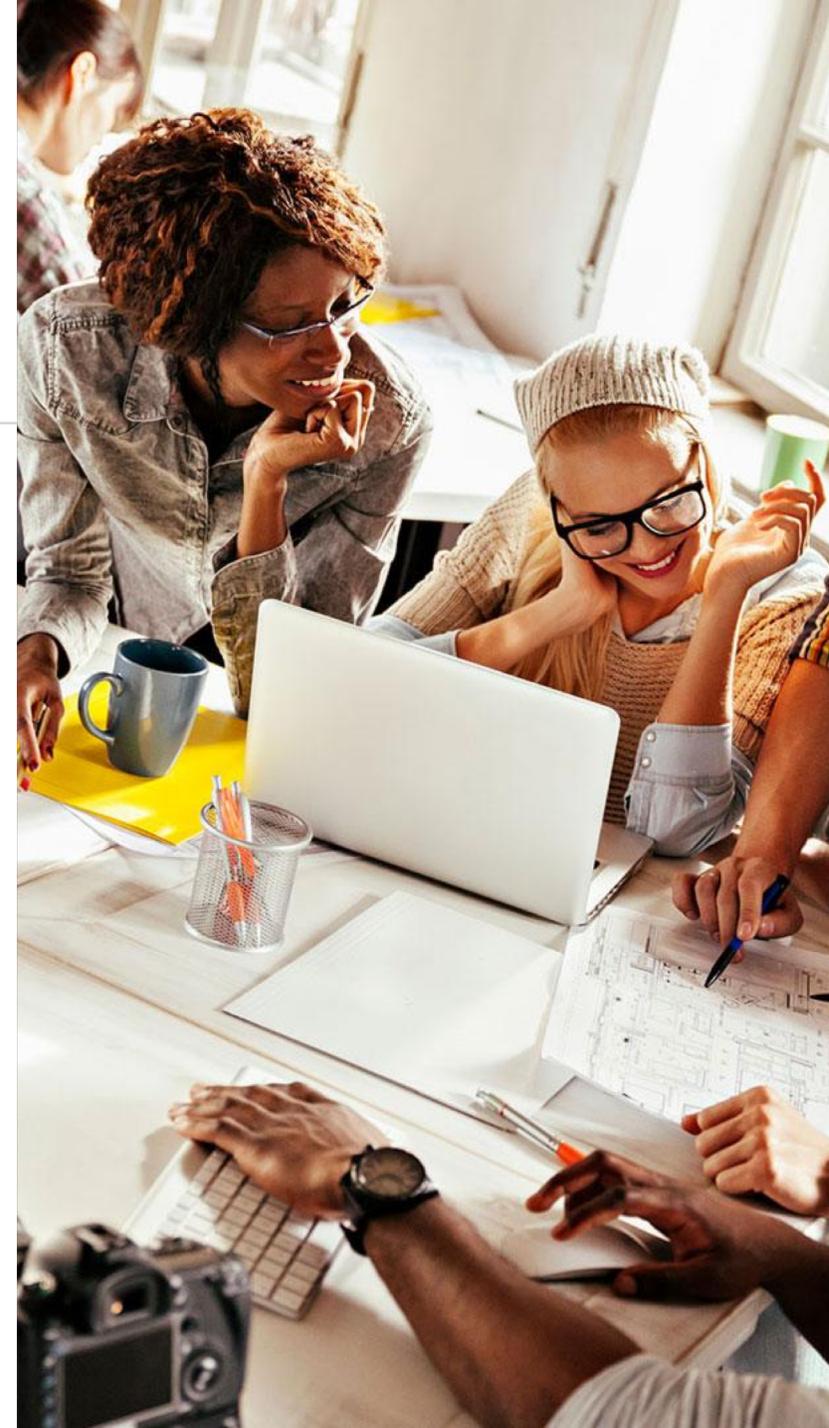
Survey





# 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.





JFFLabs 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 JFFLabs 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

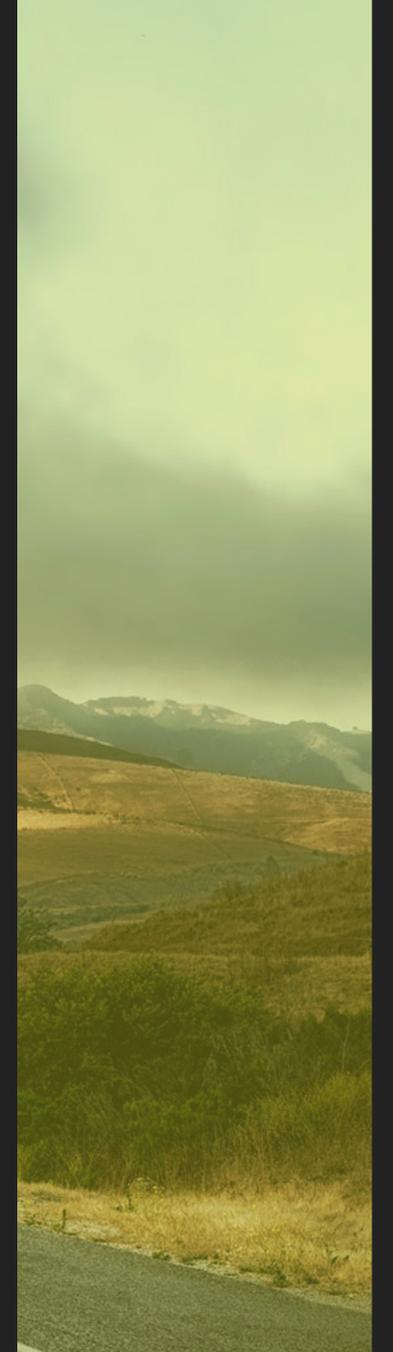
## STARTUPS AT THE FRONTLINES OF CHANGE

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.

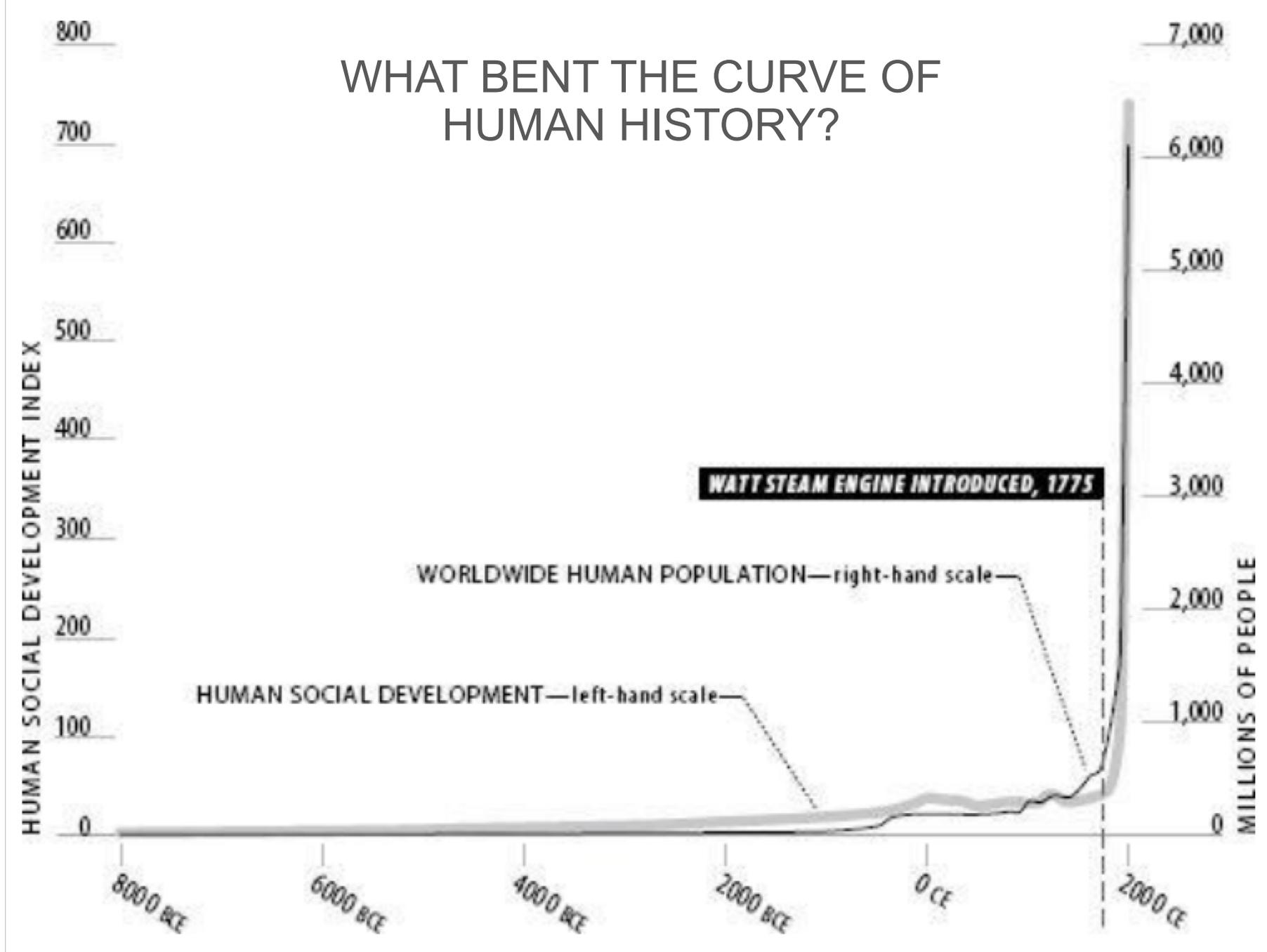
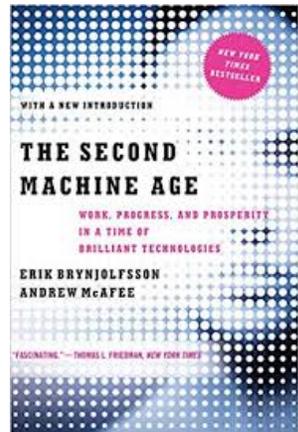
The logo for Catalyte, featuring the word "catalyte" in a lowercase, rounded, orange-to-yellow gradient font.The logo for LaunchPath, featuring a stylized orange and yellow rocket icon above the word "LAUNCHPATH" in a bold, uppercase, grey sans-serif font with a trademark symbol.The logo for Nepris, featuring a colorful geometric icon composed of yellow, orange, green, and blue shapes above the word "nepris" in a lowercase, grey sans-serif font.

# THE AGE OF AUTOMATION

*How I learned to Stop Worrying and  
Love Automation*



# WHAT BENT THE CURVE OF HUMAN HISTORY?

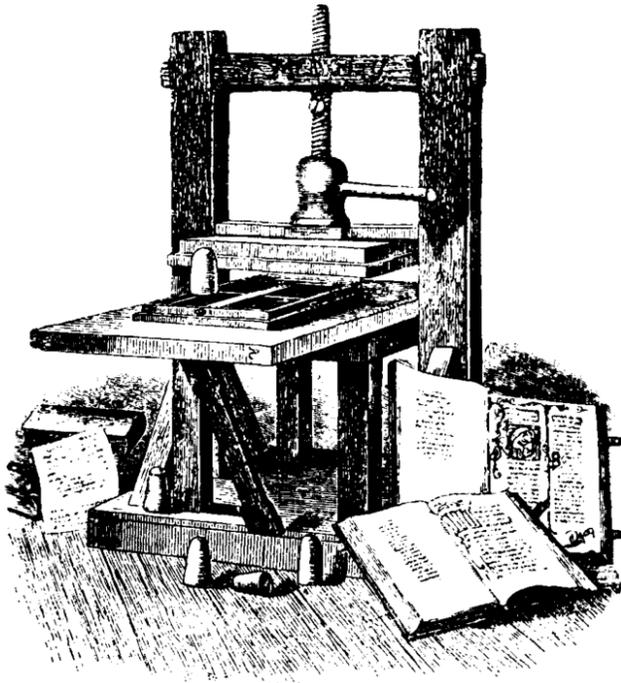


SOURCE: The Second Machine Age, Erik Brynjolfsson and Andrew McAfee

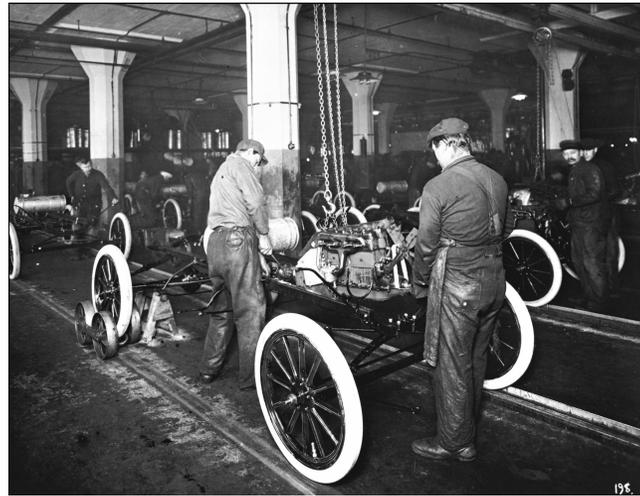


EXTENDING HUMAN CAPABILITY AND UNDERSTANDING

# AUTOMATION'S RICH HISTORY



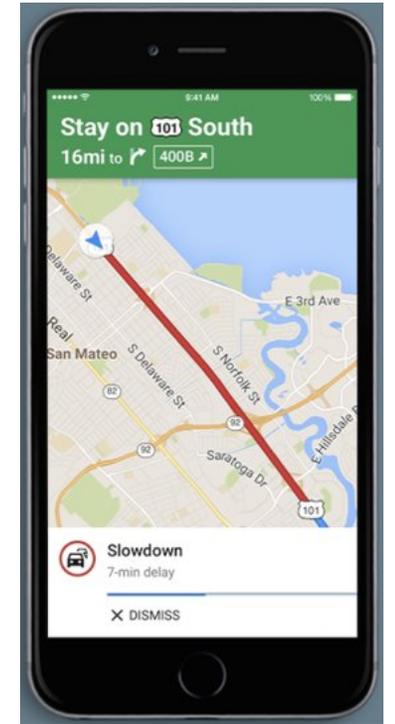
**GUTENBERG'S PRESS**  
1436



**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



lifesize.

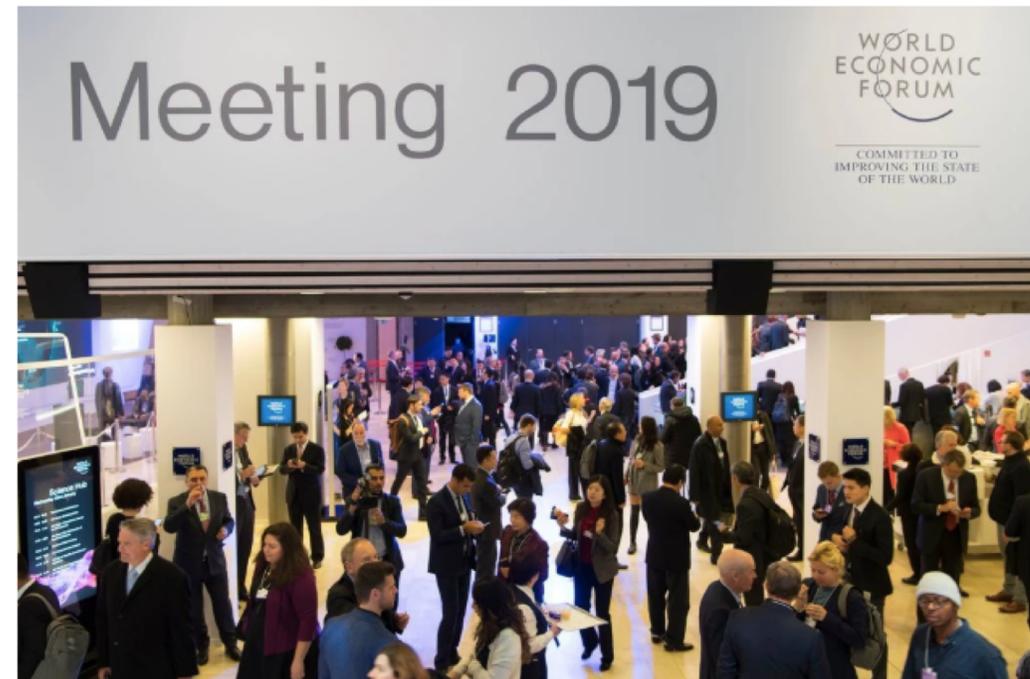
Meet, collaborate, connect and inspire — all in stunning 4k.

*“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

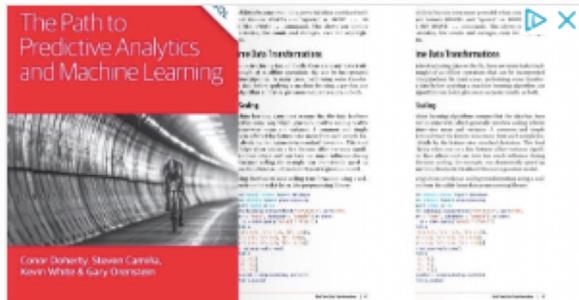
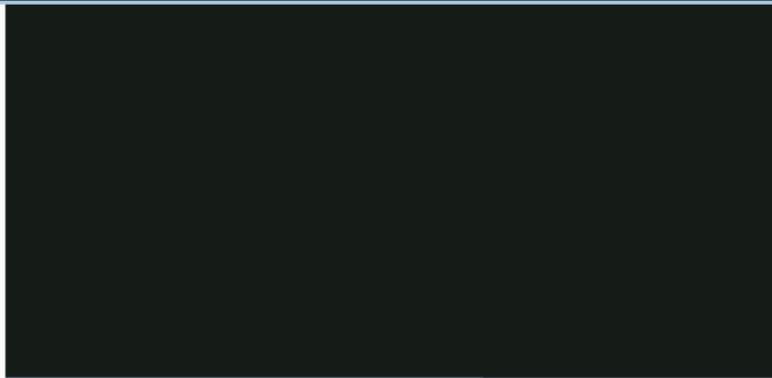


**Christian Reilly** Forbes Council  
**Forbes Technology Council** CommunityVoice

POST WRITTEN BY

**Christian Reilly**

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



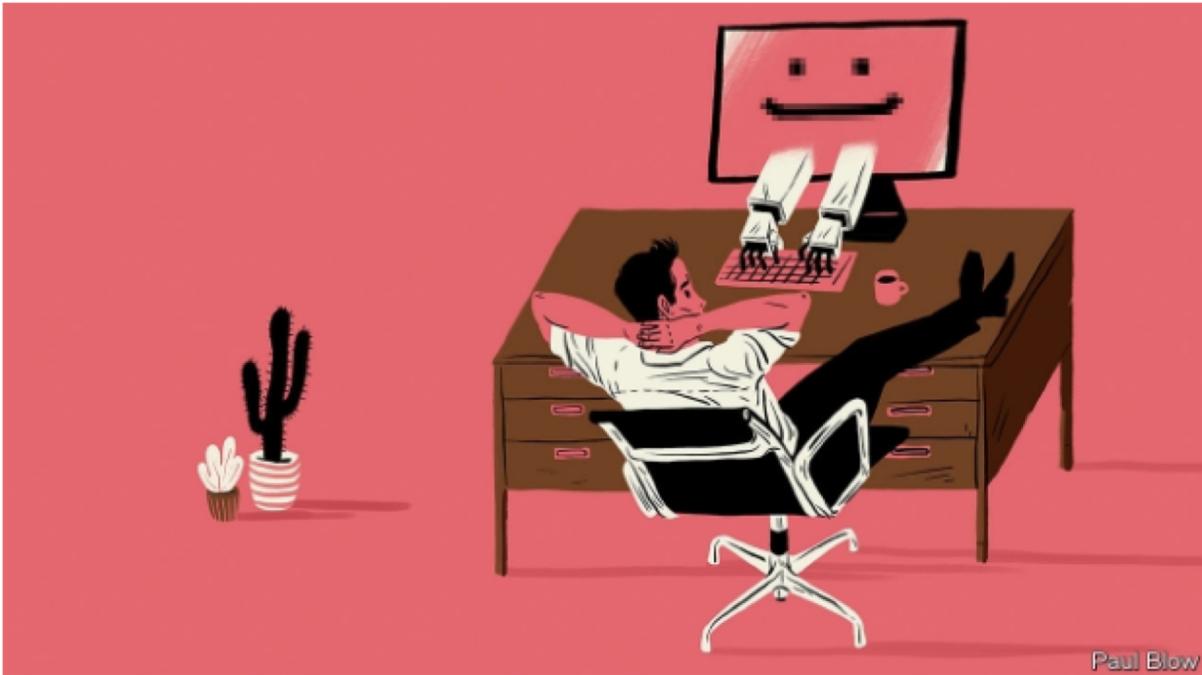
**Path to Predictive Analytics**  
Prepare your organization for machine learning and AI by moving to predictive analytics.

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.](#)



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.**”*

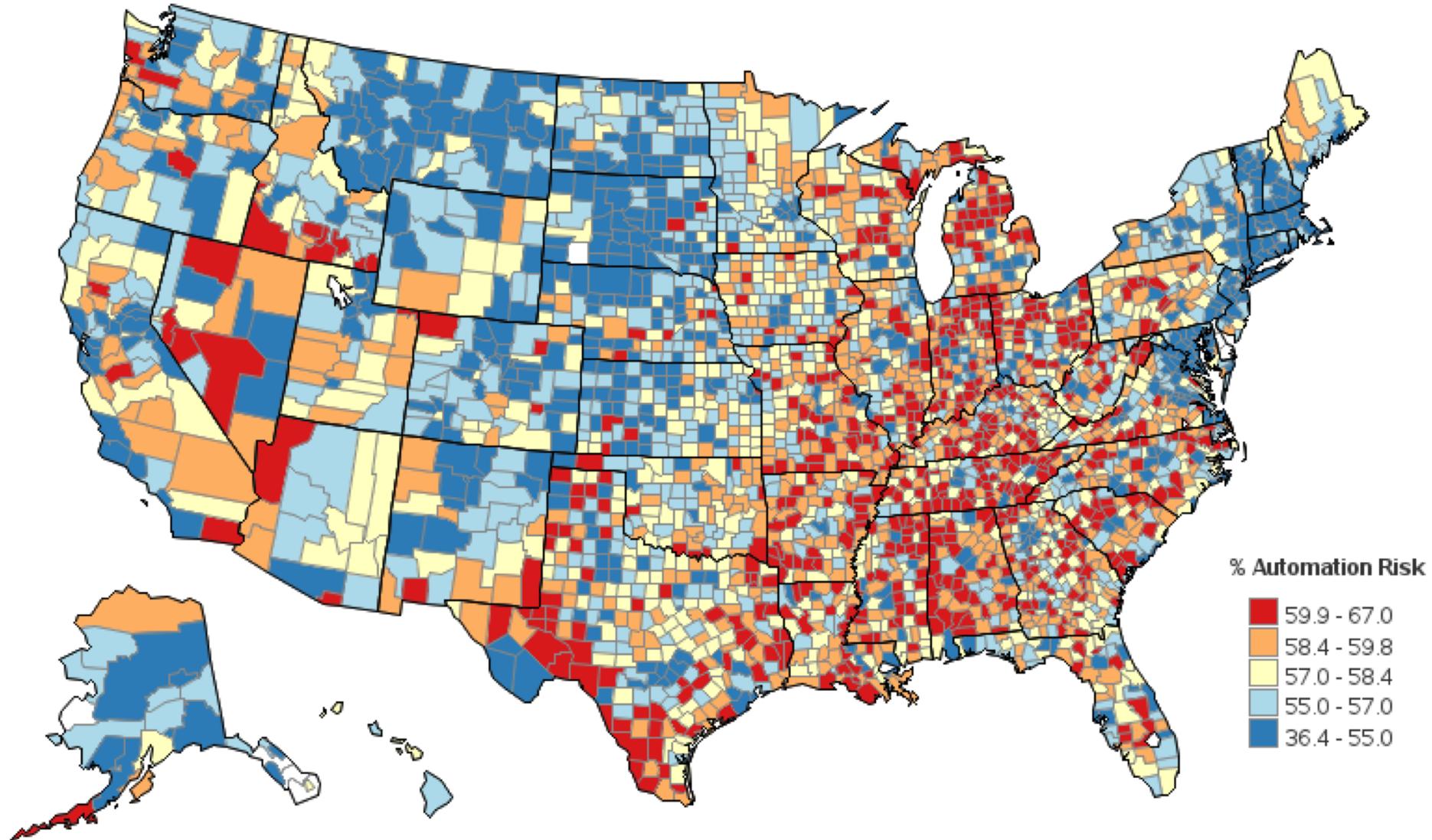
— Yuval Noah Harari, 21 Lessons for the 21st Century

### 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

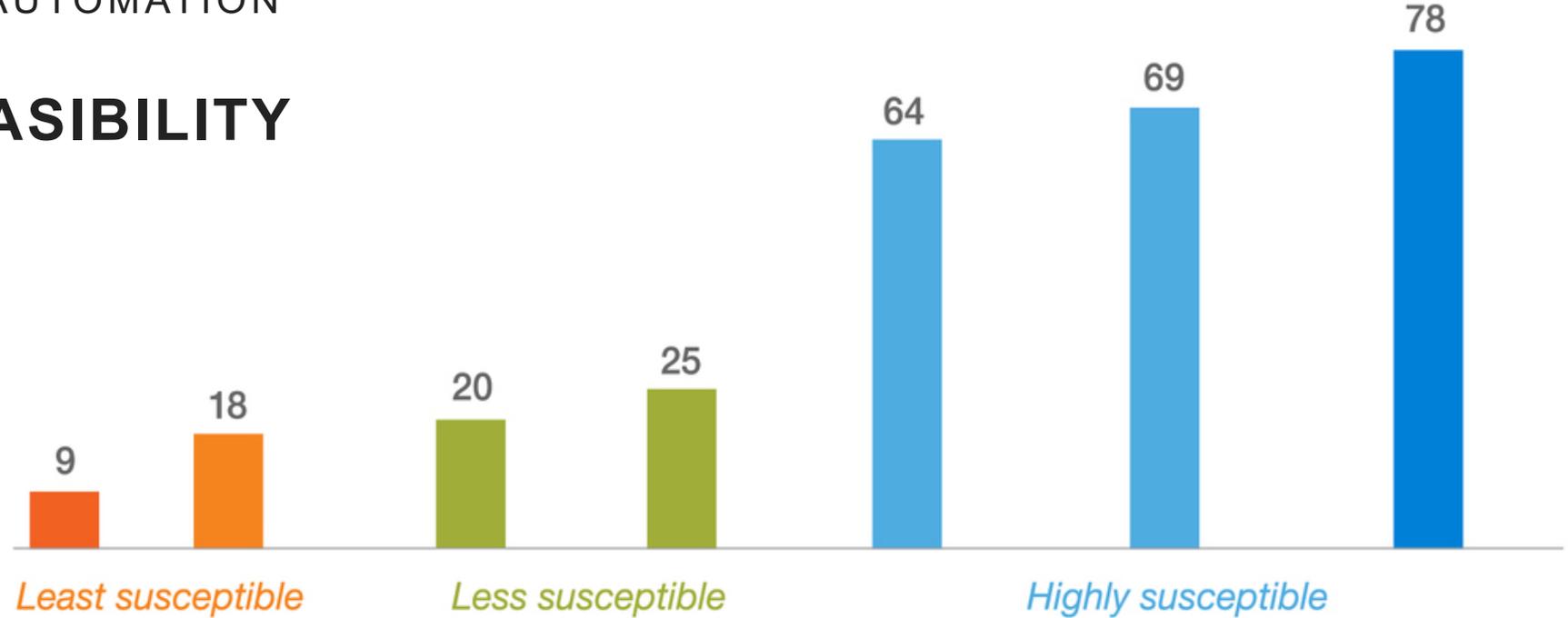
# US Relative Automation Risk to Employment



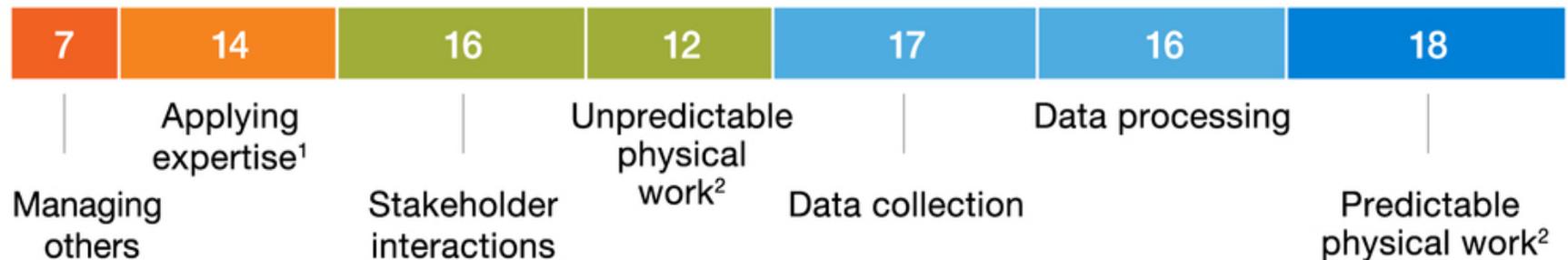
## SUSCEPTIBILITY TO AUTOMATION

# TECHNICAL FEASIBILITY

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

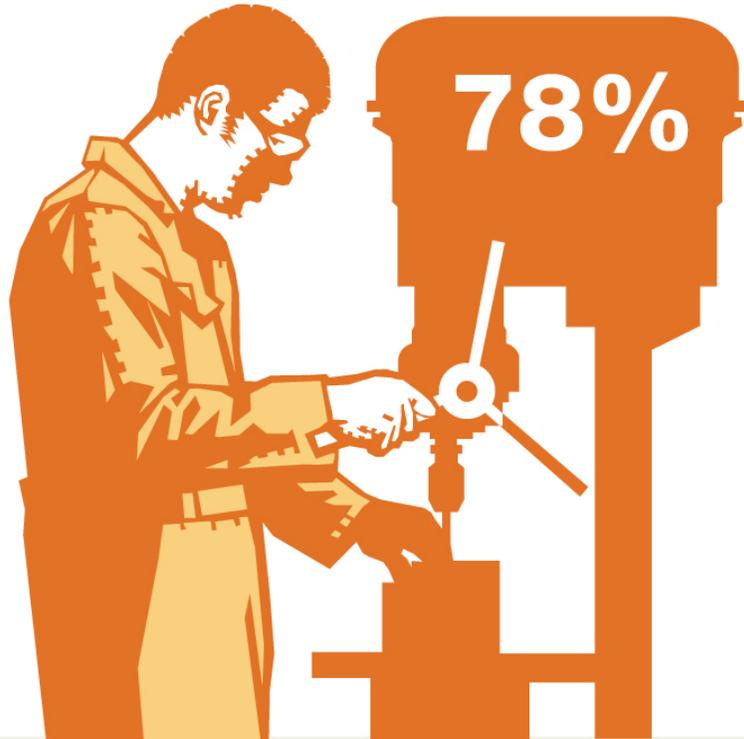


Time spent in all US occupations, %



## Technical feasibility of automation, %<sup>1</sup>

Predictable physical work



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

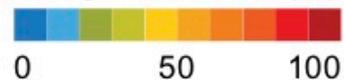
Unpredictable physical work



For example, construction, forestry, or raising outdoor animals

Size of bubble indicates % of time spent in US occupations

Ability to automate (%)

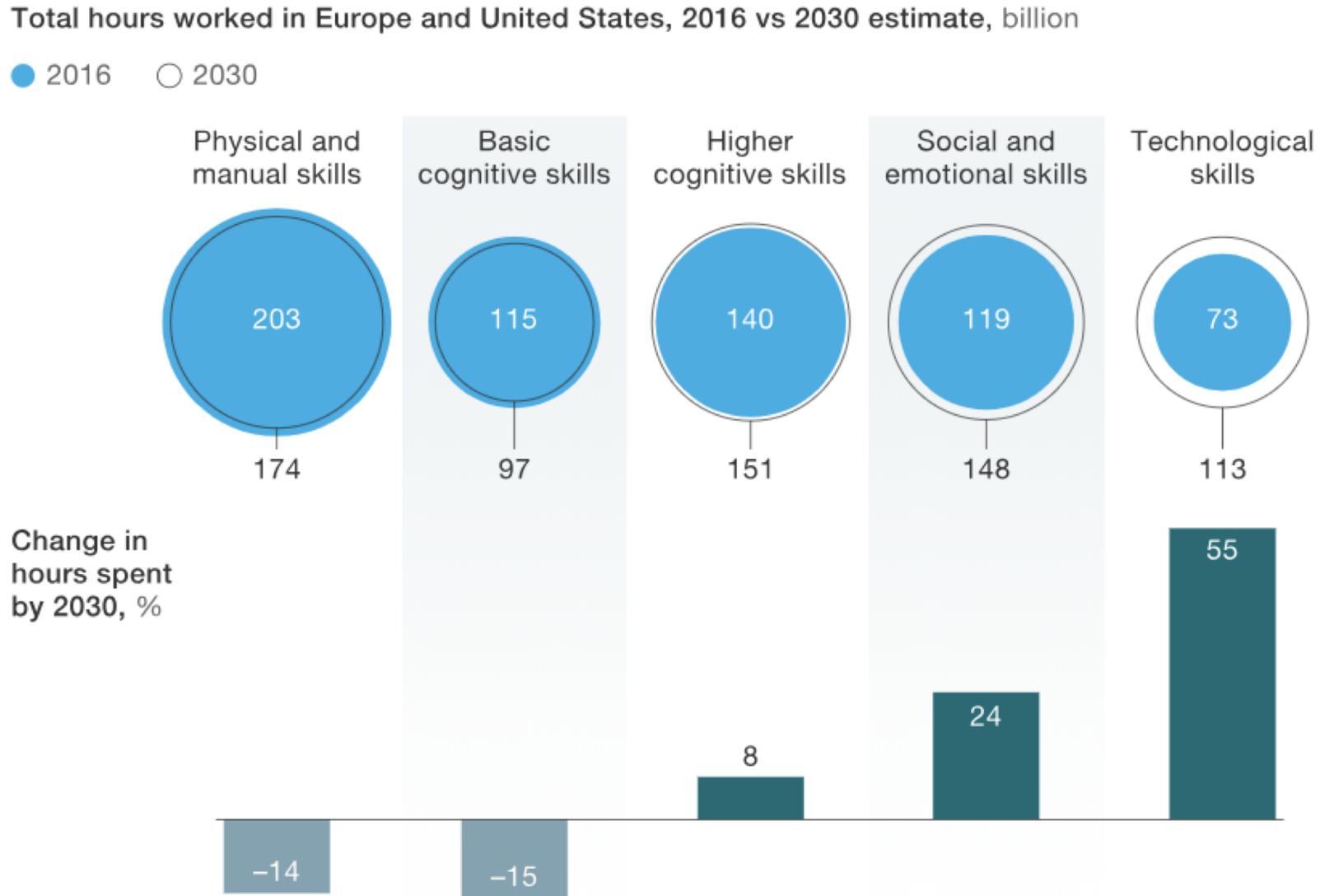


SOURCE: US Bureau of Labor Statistics; McKinsey Global Institute analysis



2016 - 2030

# SHIFT IN WORKPLACE SKILLS



Source: McKinsey Global Institute Workforce Skills Model; McKinsey Global Institute analysis

# TECHNOLOGY SUPPORTED GUIDED PATHWAYS

## FIGHT FIRE WITH FIRE



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.

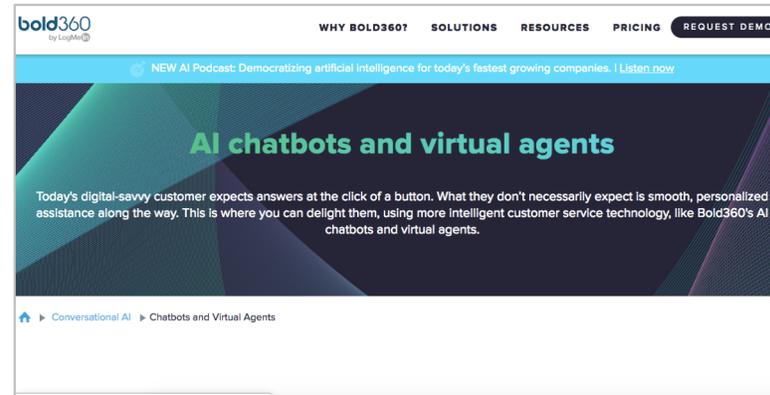
Guided Pathways are prescriptive checklists enabling learners to follow a sequence of course subjects (learning experiences) so that they can earn a recognizable credential. A pathway could be designed as self-contained or shared among participating institutions. They reveal the staging of the



#### 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 prevalent courses of study.

### USING AI TO DEVELOP GUIDED PATHWAYS



bold360 by LogMeIn WHY BOLD360? SOLUTIONS RESOURCES PRICING REQUEST DEMO

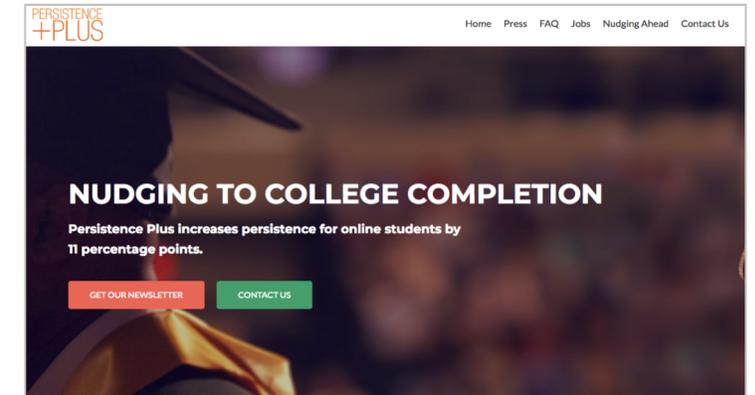
NEW AI Podcast: Democratizing artificial intelligence for today's fastest growing companies. | Listen now

### 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



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

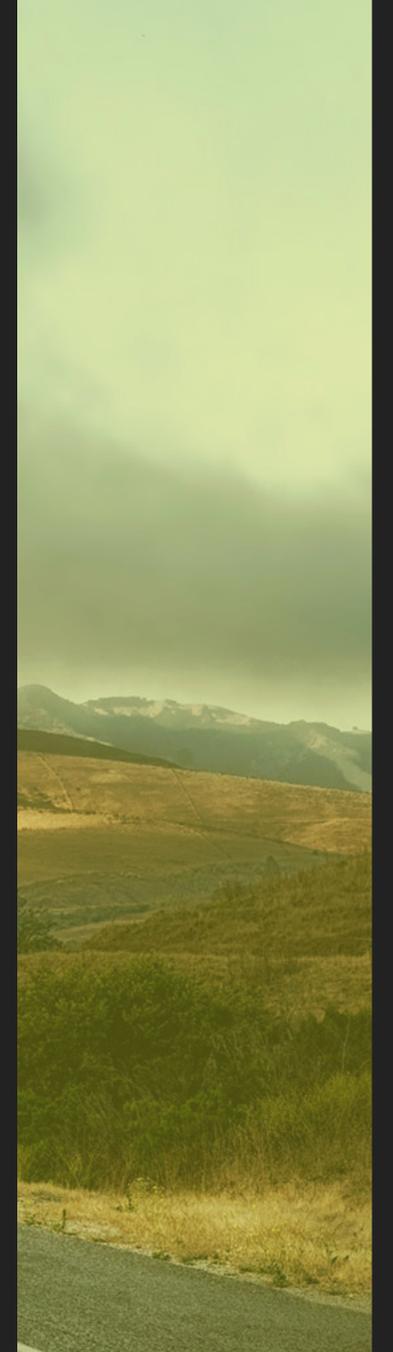
### AI SUPPORTED NUDGING AND COMPLETION SUPPORT

# Questions and Discussion

~ 5 minutes

# ACTIVITY 1

*Group Brainstorming*



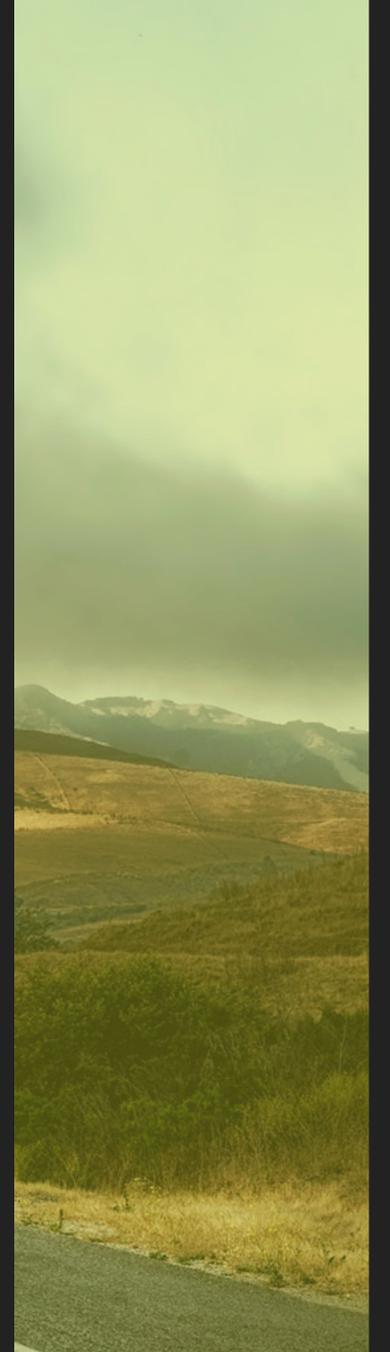
## ACTIVITY 1

# 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>



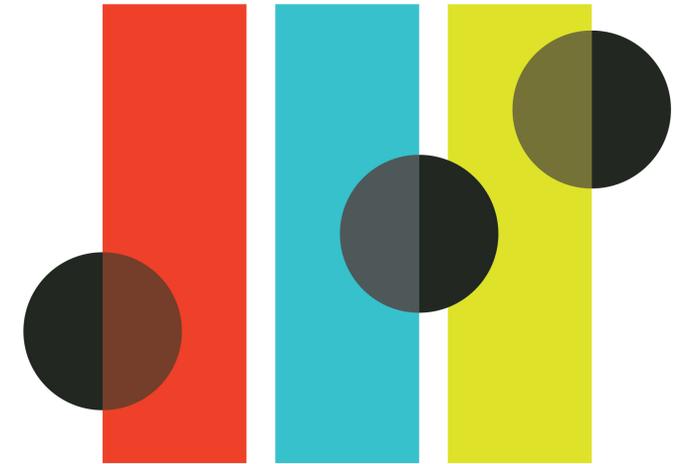
**STEPHEN  
YADZINSKI**

Managing Director,  
Acceleration, JFFLabs



**LUCRETIA  
MURPHY**

Senior Director



# JFF

VISIT US TODAY AT [JFF.ORG](http://JFF.ORG)