

# GETTING PAST “IS THIS TIME DIFFERENT”

@roybahat

Computer Research Association

December 2017

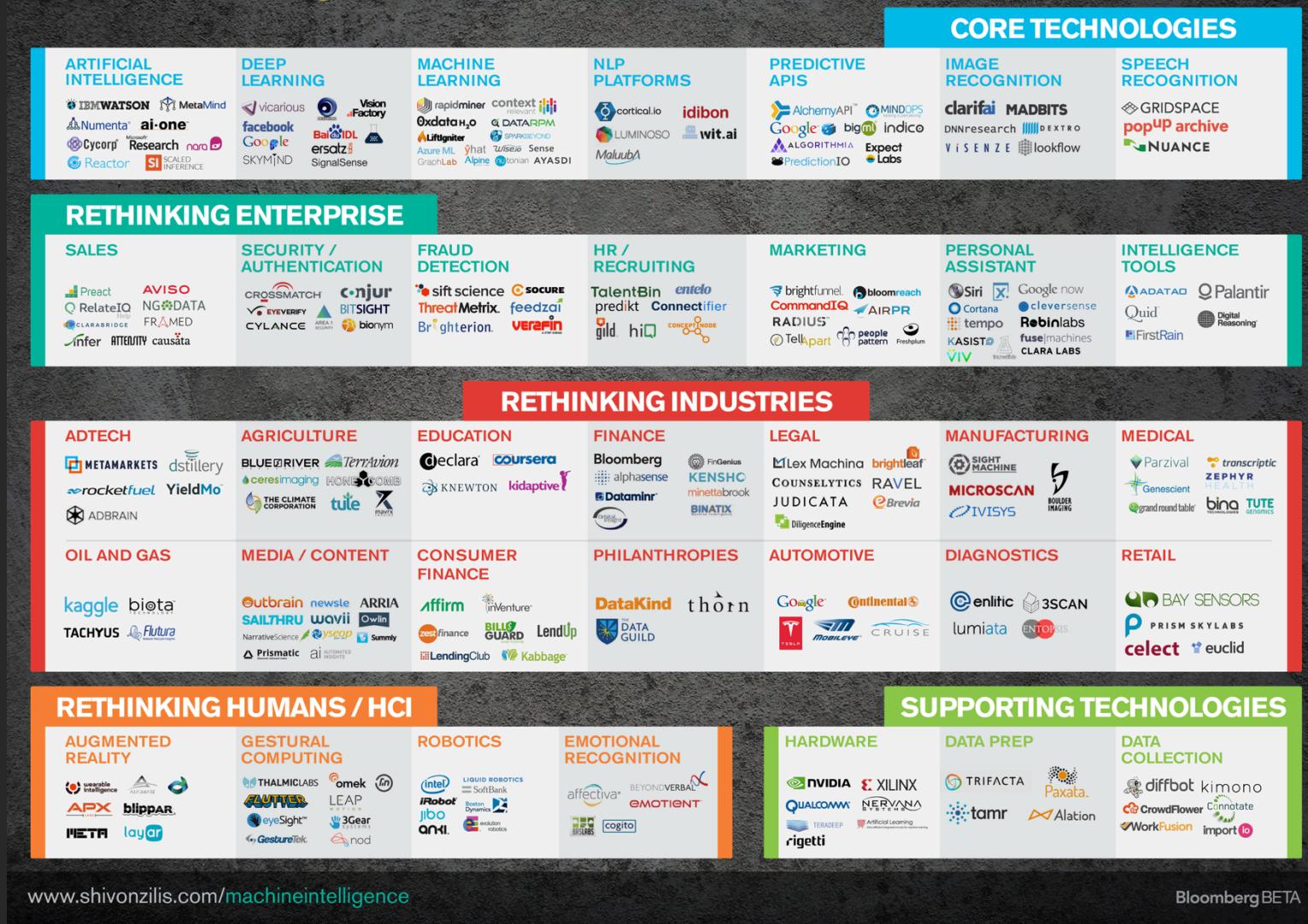
Bloomberg BETA

# WHO ARE YOU?

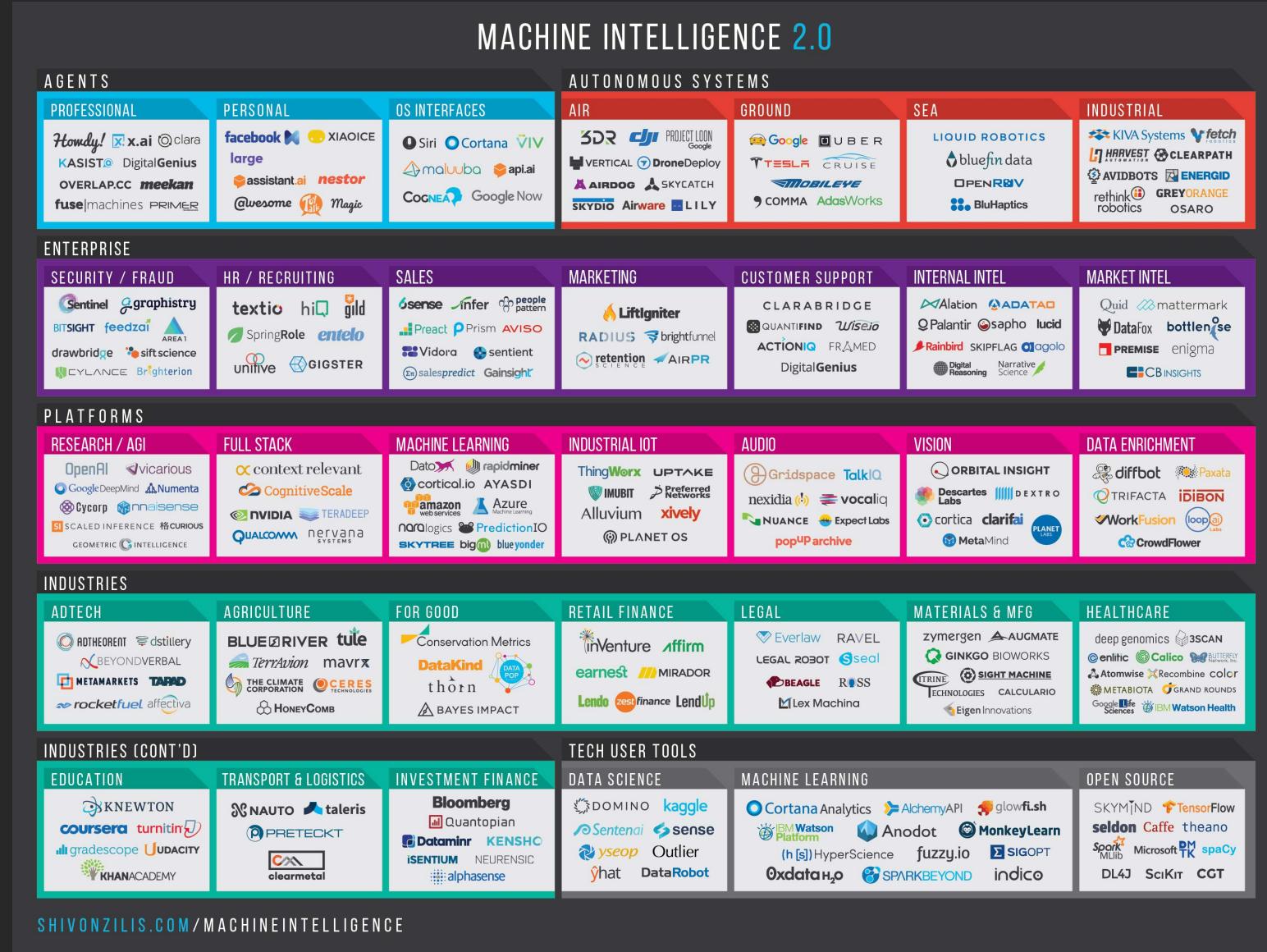
- > Early VC fund to focus on machine intelligence – 2014
- > Exclusively invest in future of work



# Machine Intelligence LANDSCAPE

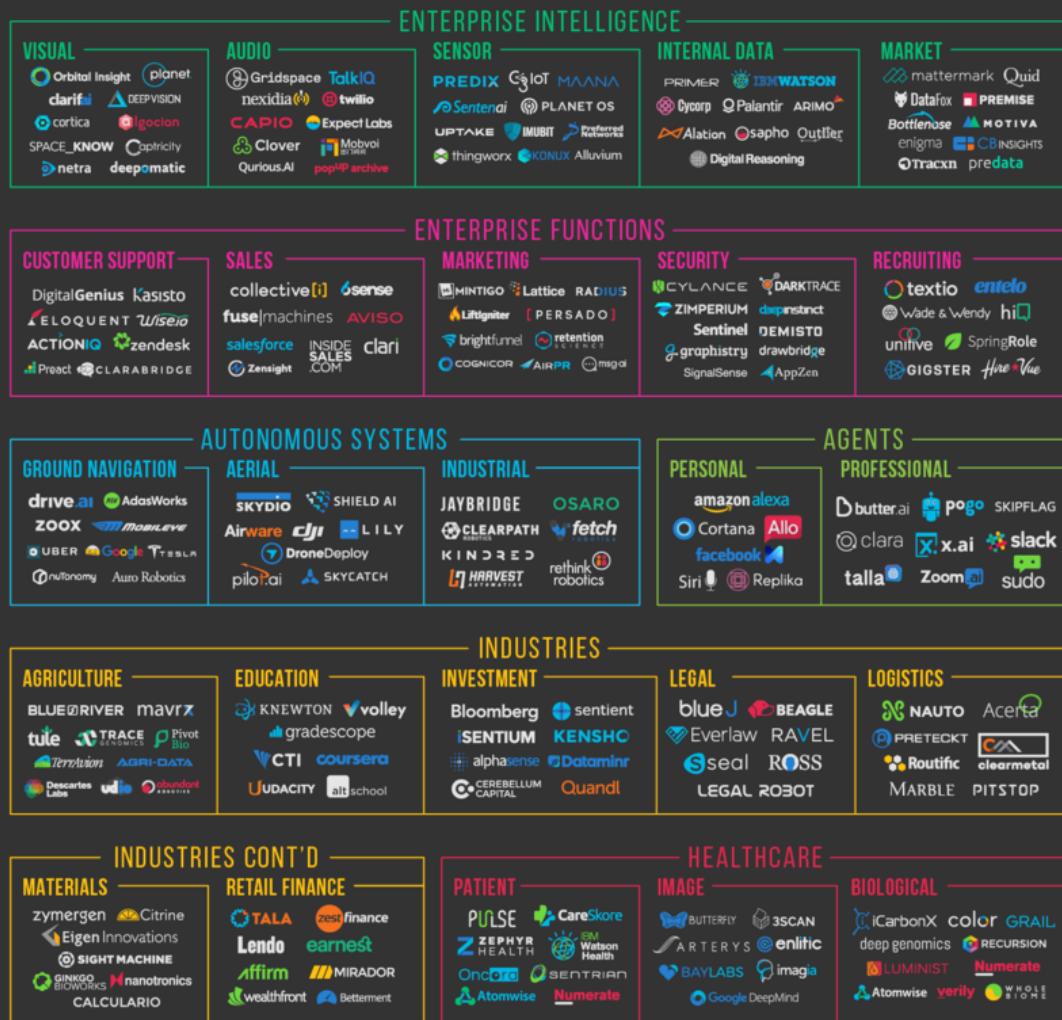


Bloomberg BETA



Bloomberg BETA

## MACHINE INTELLIGENCE 3.0



shivonzilis.com/MACHINEINTELLIGENCE • BloombergBETA



**Who Is Winning the AI Race?**

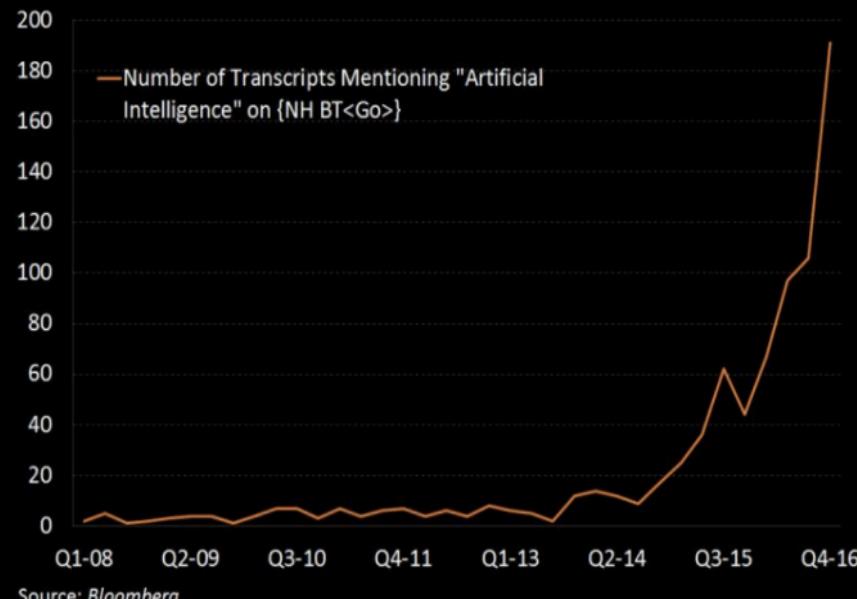
**GIANT CORPORATIONS ARE  
HOARDING THE WORLD'S AI  
TALENT**

**How to Make Your Company  
Machine Learning Ready**

**The Competitive  
Machine Intelligence**

**As Robots Rise, How Artificial Intelligence Will Impact Jobs**

**Companies Mentioning 'Artificial Intelligence' Rising Rapidly**



Source: Bloomberg

# KABUKI THEATER OF FUTURE OF WORK CONFERENCES

Techie: "The future is coming! Duck!"

Economist: "Total employment always turns out fine."

Chorus: "It isn't just about work, it's about *meaning*."  
"We need a new social contract."  
"Gig Economy! Lifelong learning!"

Complexity collapses our ideas to pablum

# WHY ARE WE REPEATING OURSELVES?

- > Good ideas but nobody is listening
- > No good ideas

.....

# How many jobs will robots take?

100%

.....

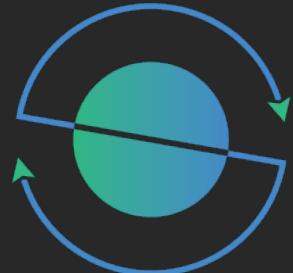
Bloomberg BETA

Only question that matters:

When?



Bloomberg BETA



SHIFT

**COMMISSION ON WORK,  
WORKERS, AND TECHNOLOGY**

Bloomberg BETA

## SHIFT'S PRINCIPLES

Imagine scenarios (not predict)

Take 20-year view

Involve many disciplines







Age: 39

Sex: Female

Marital status: Divorced

Educational attainment: Some college but no degree

Race or ethnicity: White

Metropolitan area: Dallas-Fort Worth-Arlington, TX

Occupational category: Licensed Practical and Licensed Vocational Nurse

## Shift Commission—Four Futures for Work

*New America and Bloomberg*



### Rock-Paper-Scissors Economy

less work. mostly tasks.



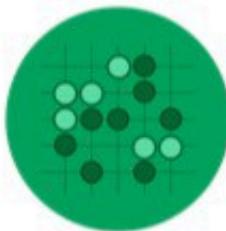
### King of the Castle Economy

less work. mostly jobs.



### Jump Rope Economy

more work. mostly tasks.



### Go Economy

more work. mostly jobs.

Source: Shift Commission Findings Report.

- > Shift Commission—Four Futures for Work
- > **Stability**
- > **Older Americans**
- > **Unpaid work**
- > **Entrepreneurship**

The issue is not automation per se,  
but expectations of automation,  
and its speed and unpredictability.

How Do  
You Get Paid?

6.3% — I'm not getting paid right now

27.8%  
It depends on the week

17.5%  
It depends on the month

45.8%  
Same amount every month

2.6% — Other

The issue is not automation per se,  
but expectations of automation,  
and its speed and unpredictability.

We have too few good hypotheses  
for what to do.

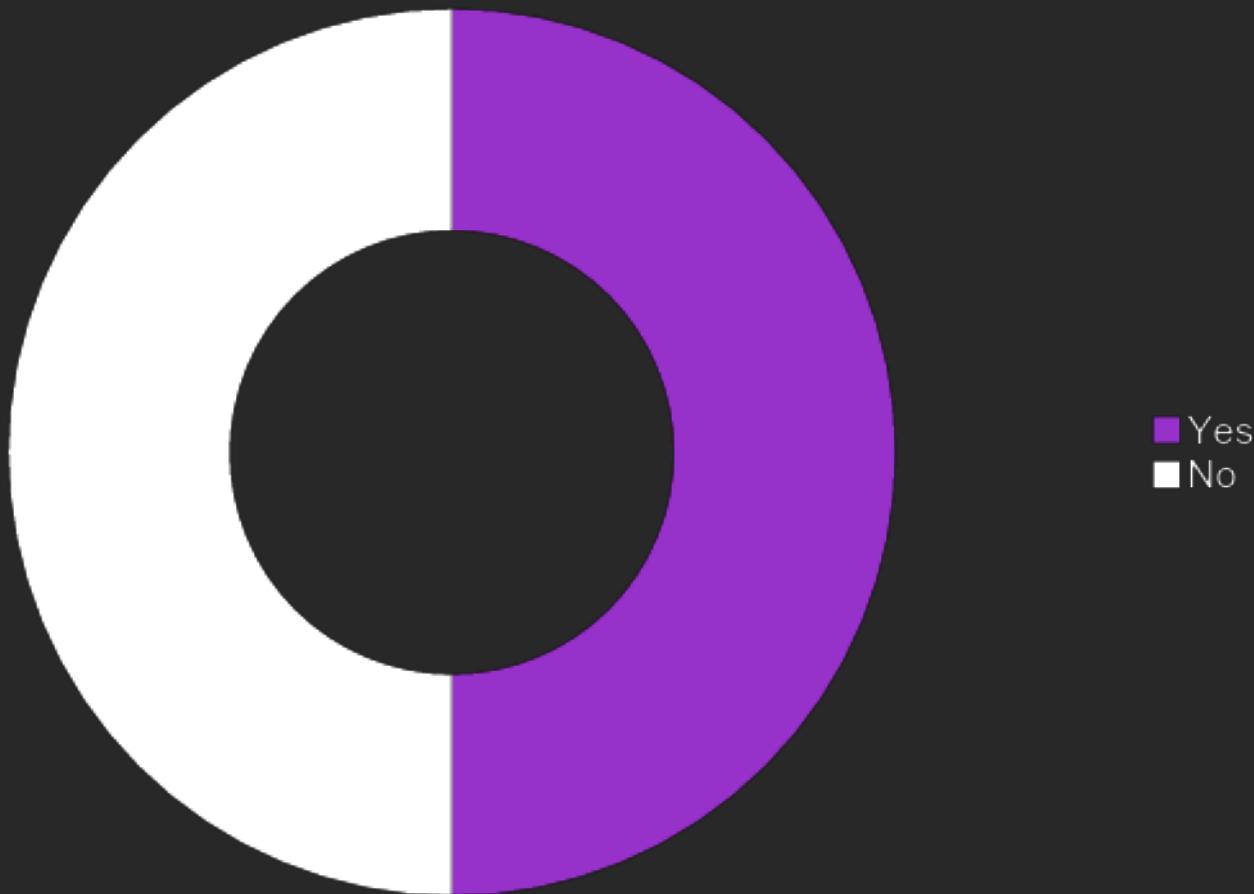
# FORAGING GROUNDS?

- > Data desert – esp. on volatility
- > Accelerating technological progress – R&D
- > Occupational clusters – and entrepreneurship?

.....

# FINAL COMMISSION SURVEY

Is this time different?



# GETTING PAST “IS THIS TIME DIFFERENT”

@roybahat

Computer Research Association

December 2017

Bloomberg BETA