### Al, Globalisation and the Future of Work

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農業から工業へ。モノからサービスへ。そして今始まった「グロボティクス転換」。 国際経済学の大家が、デジタル革命のかつてない衝撃を歴史的な視点から捉える。

「新しい経済の姿を描いた、これまでで最もすぐれた本だ」

日本経済新聞出版社 ローレンス・サマーズ(ハーバード大学名誉学長、元米国財務長官)

Digital
Technology

Faster than most think,

Automation

White-collar

8

professional

Jobs

Globalization

in ways few expect

## The future is unknowable, but also inevitable

### DEFINITIONS

#### Globotics

Globalization + Robotics

- Globalization = Telemigration (RI)
- Robotics = White Collar Robots (AI)

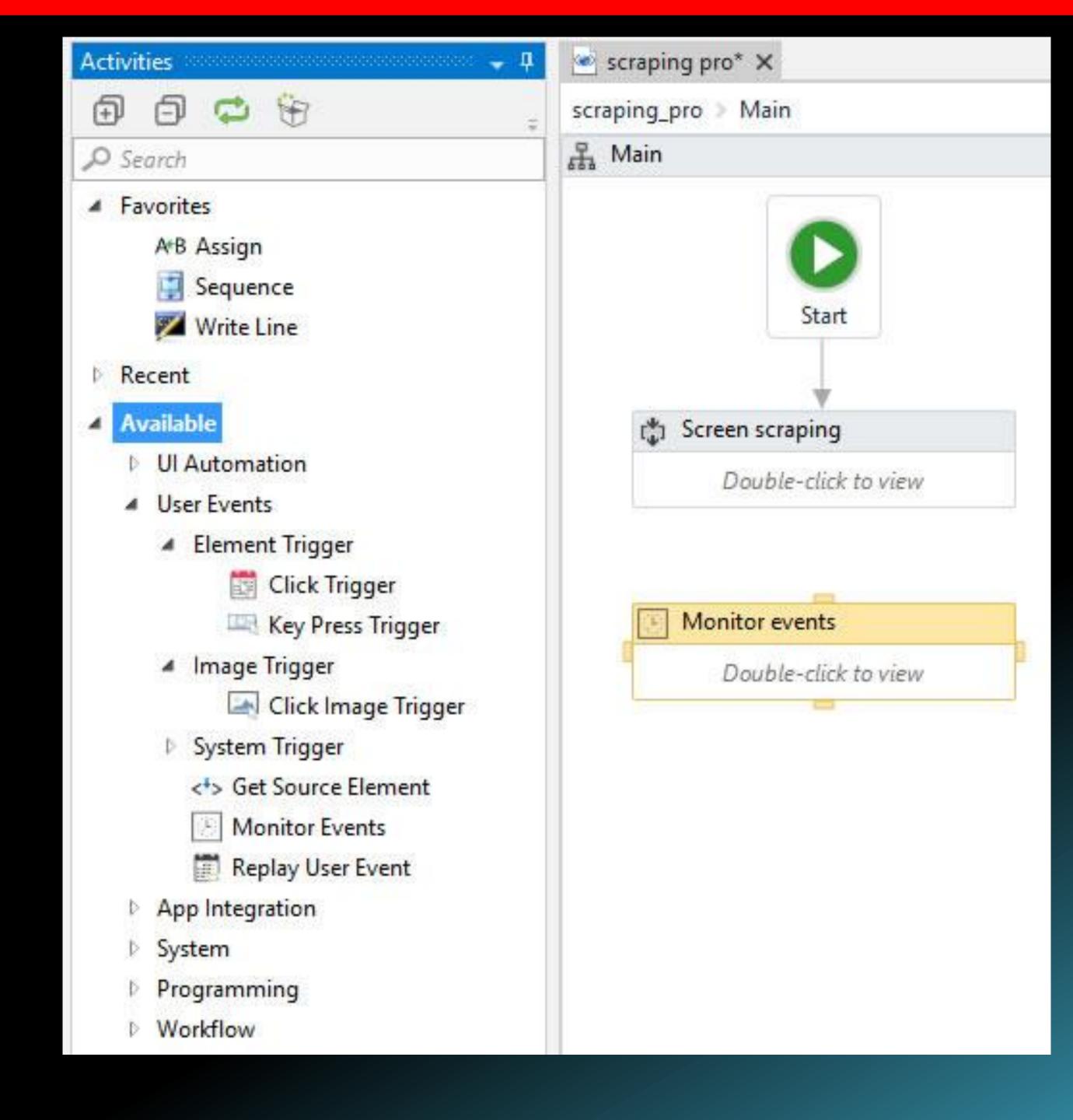
#### Tele-migration

People sitting in one nation & working in offices in another lelework"



## White Collar Robot (low-end)

Robotic Process
Automation (RPA)



## White Collar Robots (high end)

Amelia, Watson, etc.



#### Covid-19 changes things

- 1. Lots of people already fired
- 2. C19 forced an 'emergency' digital transformation lasting & massive
- 3. Social distancing raises relative cost of inperson workers vs White Collar Robots and telemigrants
- 4. Firms under extreme cost pressure

# ISTHISTIME DIFFERENT?

# Affecting service & professional jobs

Not just factory jobs





#### # Today's Al is different

Computers acquire new cognitive skills since 2016

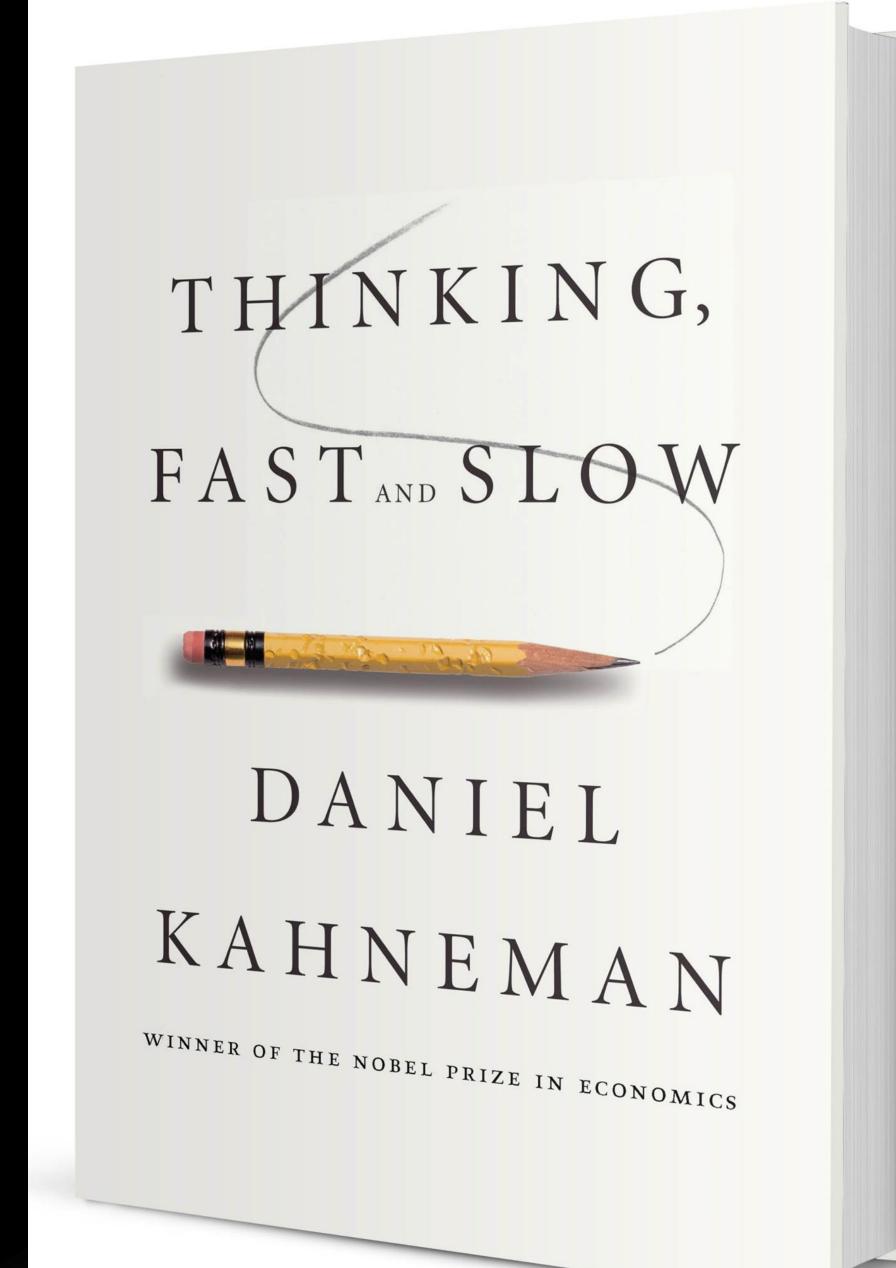
Why?

What changed?

### Programming is different

Coding = thinking slow

Machine learning = thinking fast



## # Automation & Globalisation are happening together

In past transformations, automation started long before globalization

- Microelectronics > automation (from 1973)
- ICT revolution > globalisation (from 1990s)

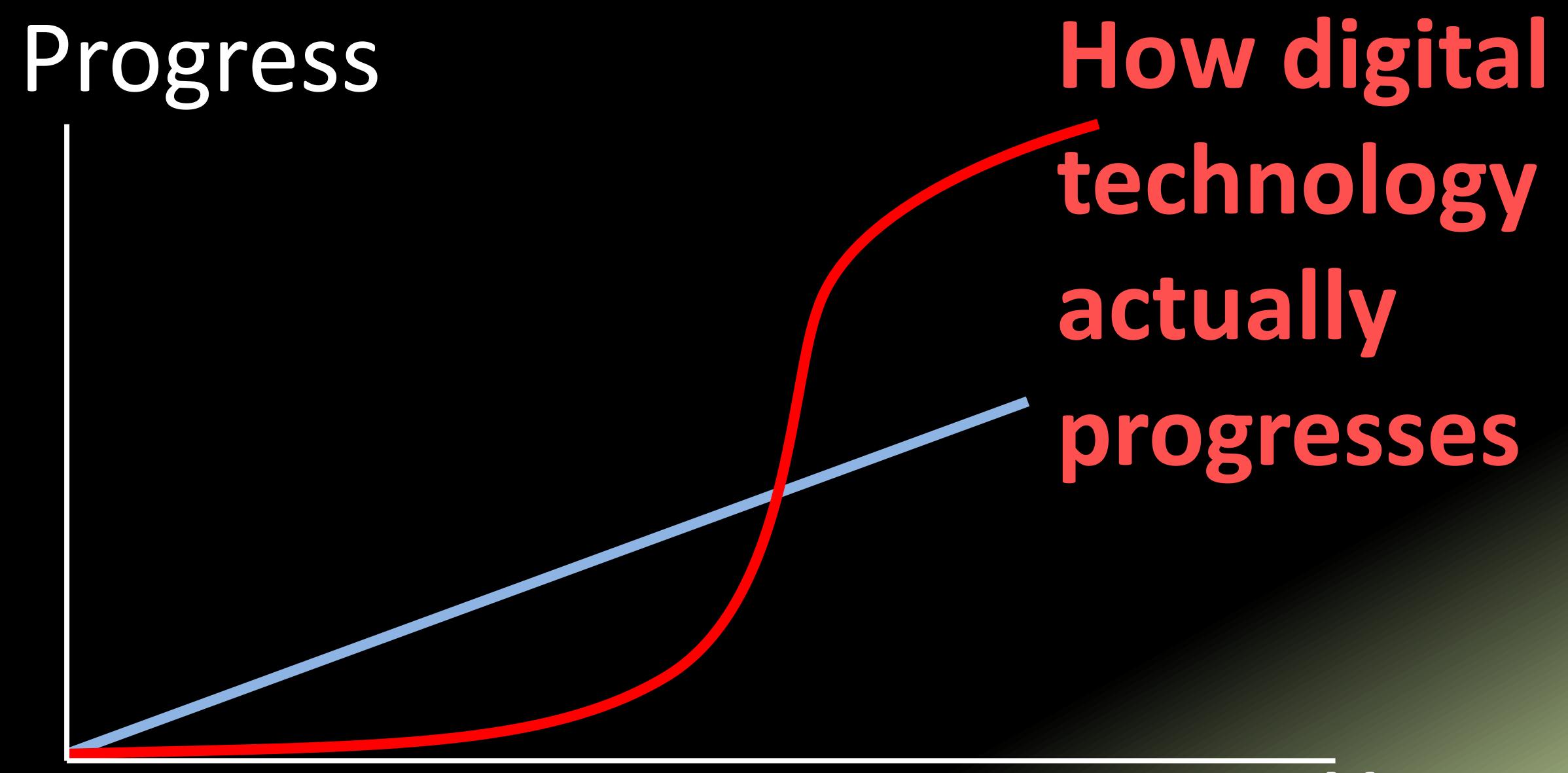
### # Coming faster than most believe

Predictable, but unexpected

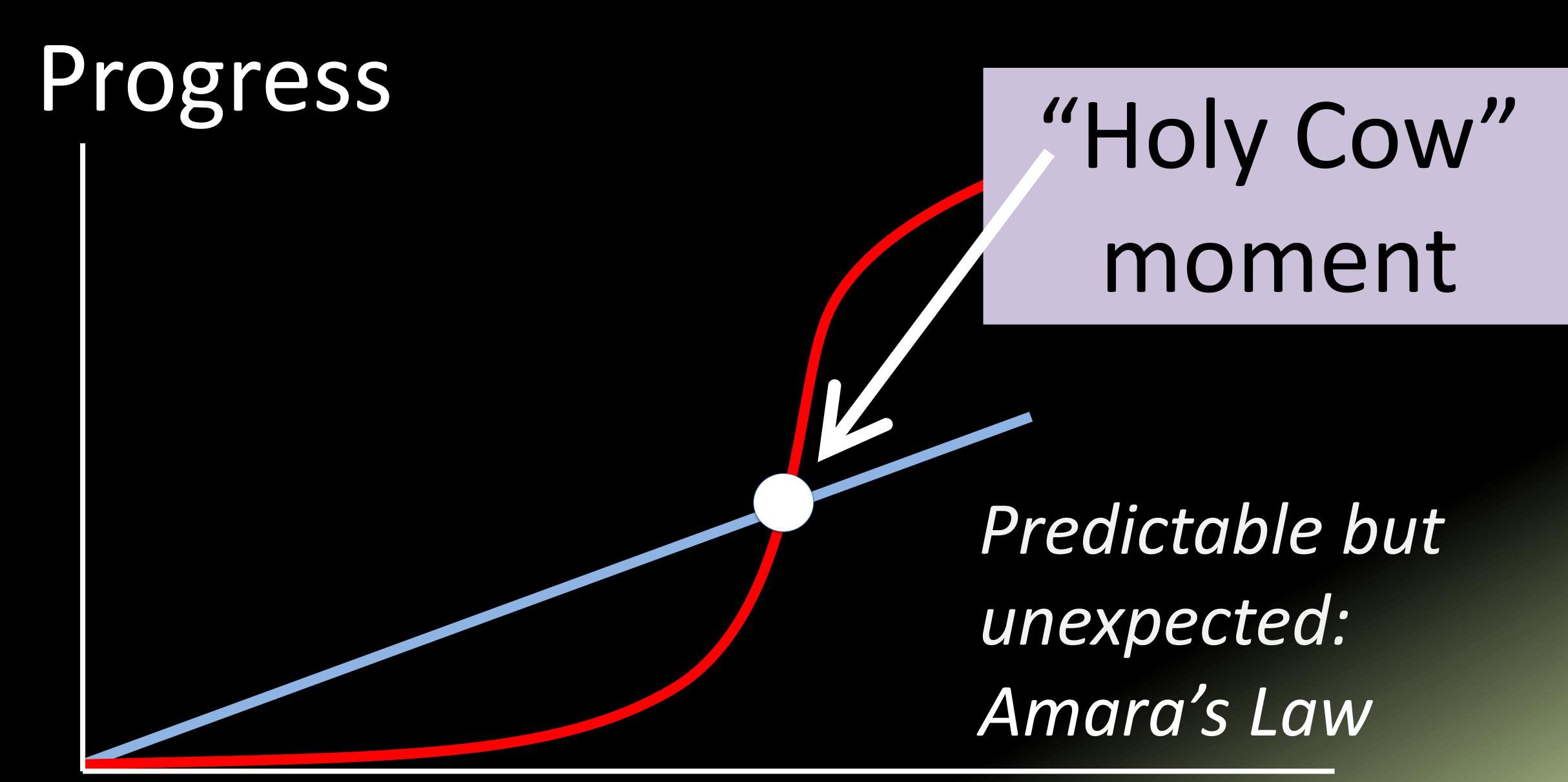
"Digital Disruption"

How humans Progress instinctively think about progress

Years



Years



Years

## MAYS EEM EXPECT

# It won't look like a factory closure

"down grade unemployment, not mass unemployment Rust-Belt style

#### Think "iPhone infiltration"

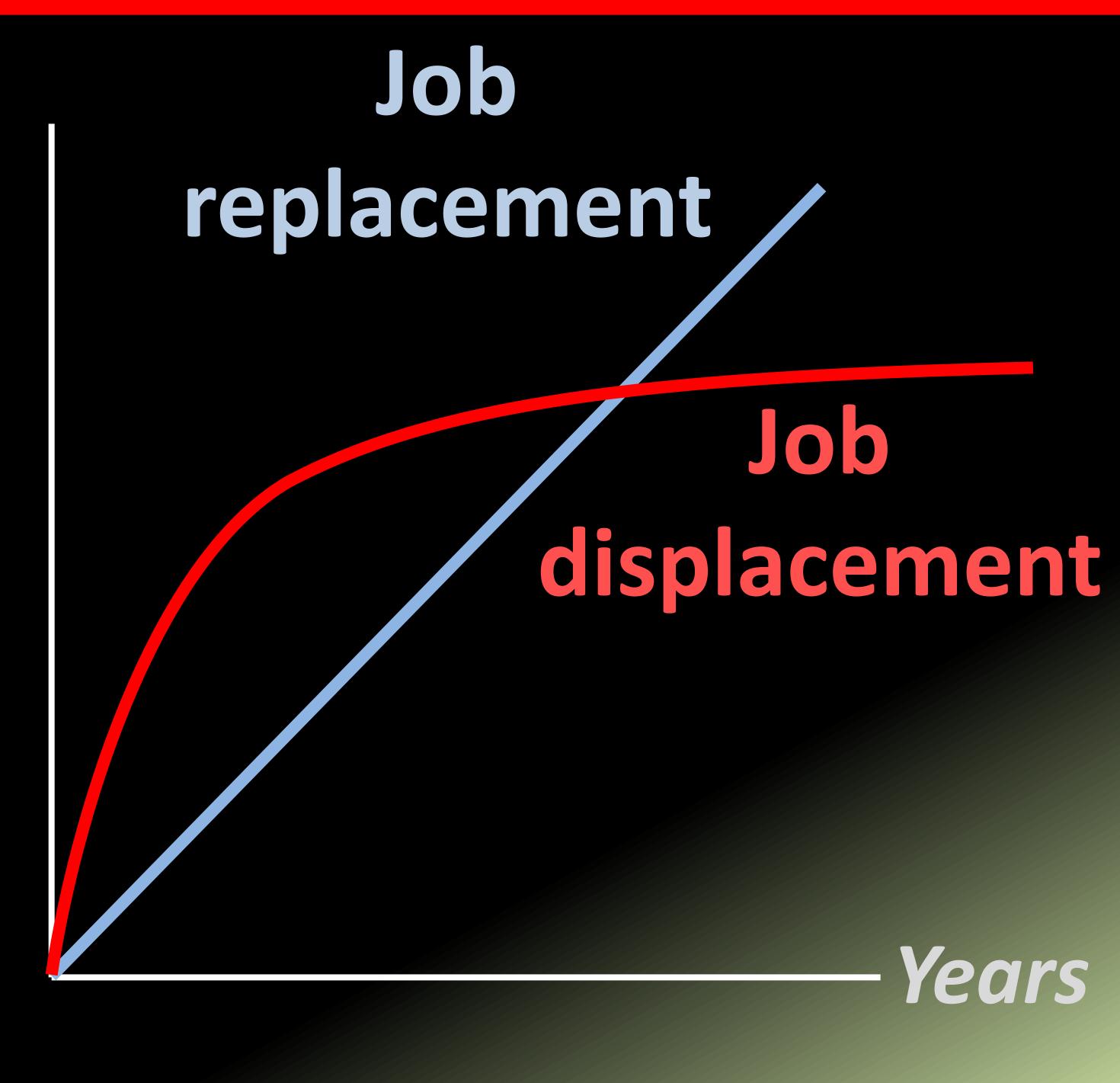


### # Job displacement is the business model

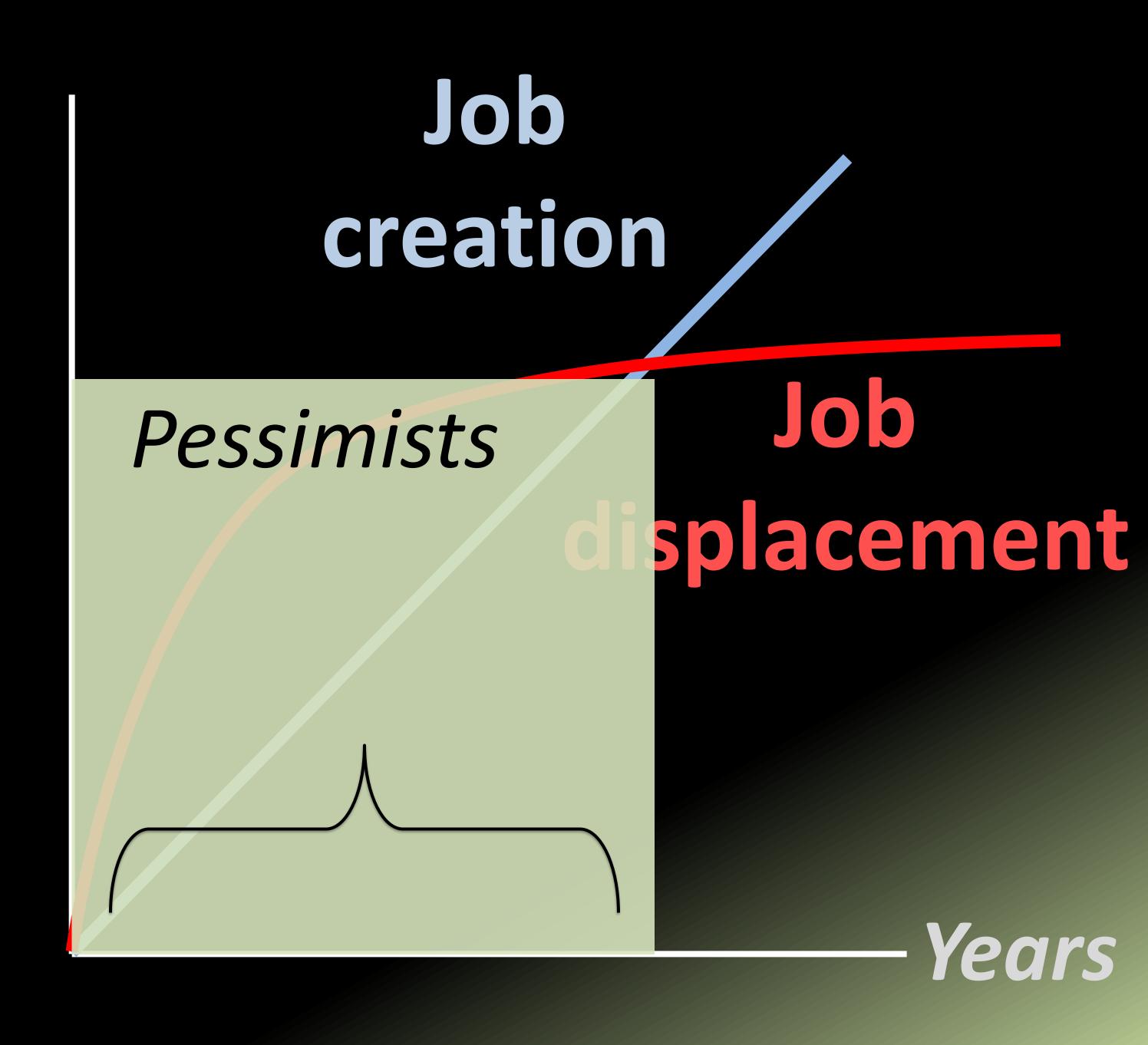
Digitech is driving job displacement

Human ingenuity is driving job creation

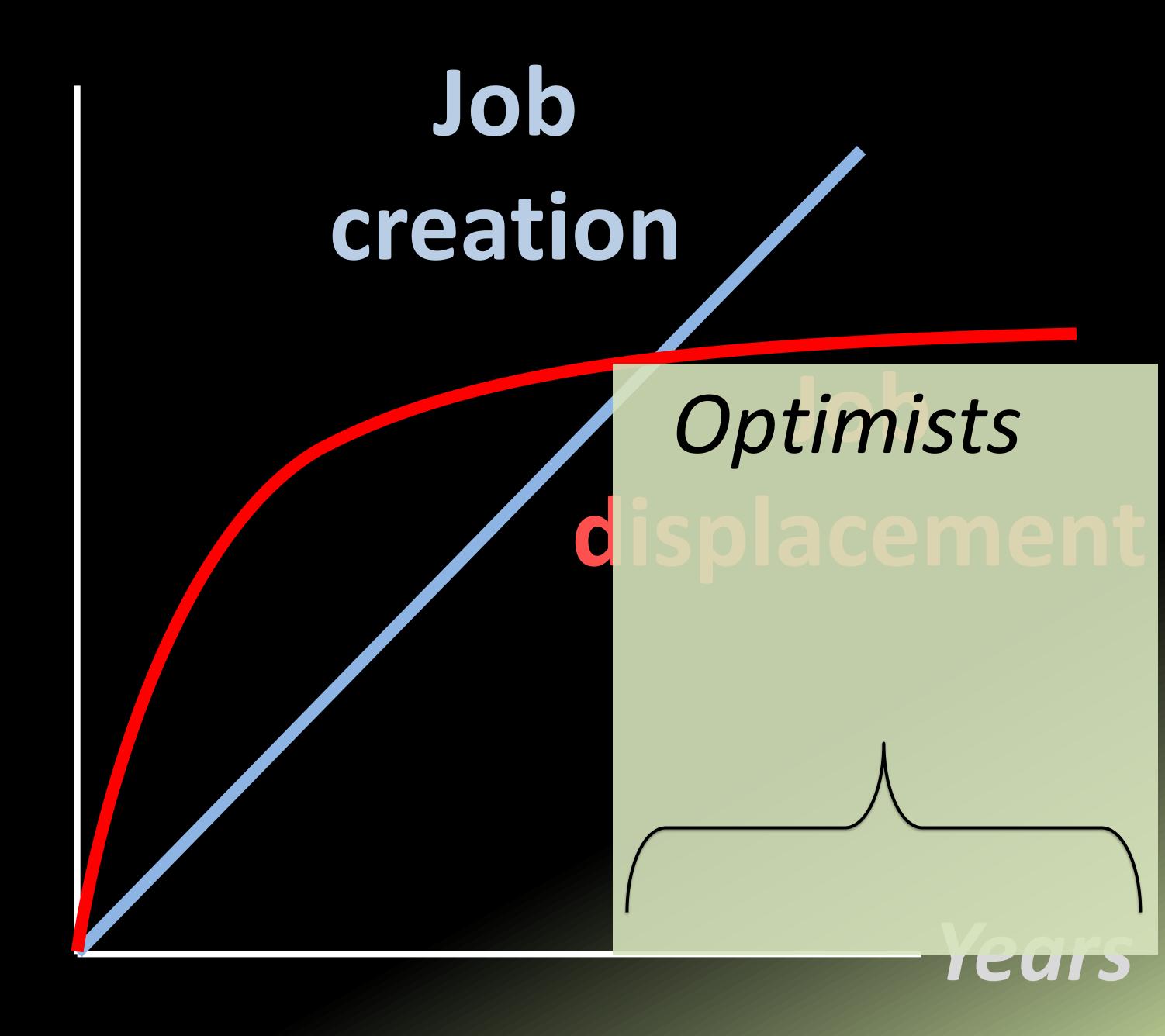
## Mismatched speed is the problem



Pessimists
assume we
remain here
forever



Optimists assume we jump here immediately



# FUTURE GLOBALIZATION:

TELEMIGRATION (RI)

#### Telemigration

Wage gaps make it profitable

Digitech makes it possible

#### Digitech channels

- 1. Domestic telecommuting
- 2. Online freelancing platforms
- 3. Advanced telecoms
- 4. Machine translation

Global "talent tsunami"

1990s: industry

2020s: services



## FUTURE () F THE LONG RUN

#### Future jobs

New jobs will appear

We can't know their names

But we can guess what they'll be like

#### Process of elimination

Globots will do what they can

We will do what globots can't

So, what can't globots do?

#### What can't Al do?

#### What can't RI do?

Telemigrants can't be in the room

#### Long-Run Future of Work

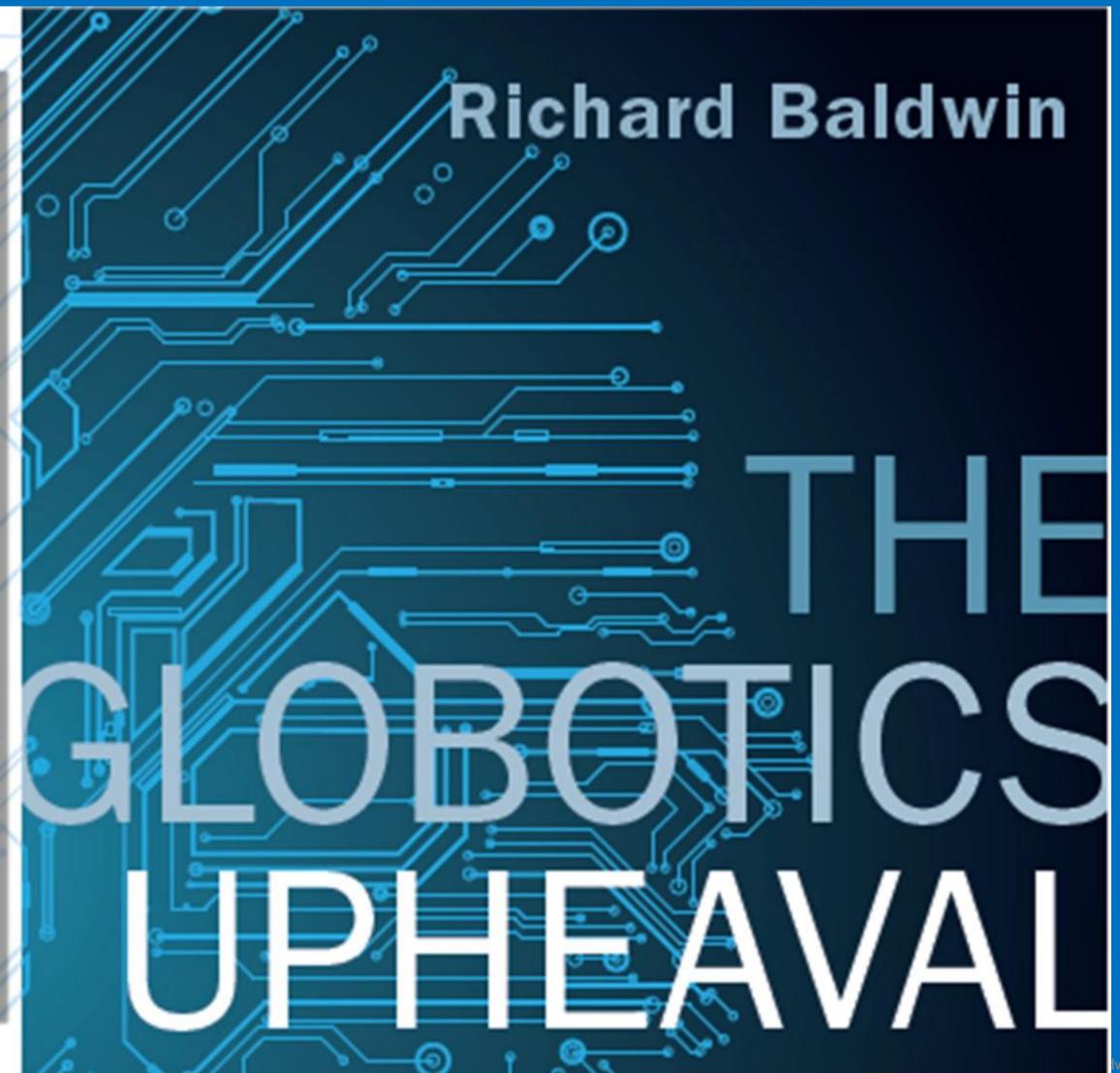
More human, more local jobs

Richer, more generous society

If we manage the transition

#### Thanks for listening





# SLIDES FOR Q&A

