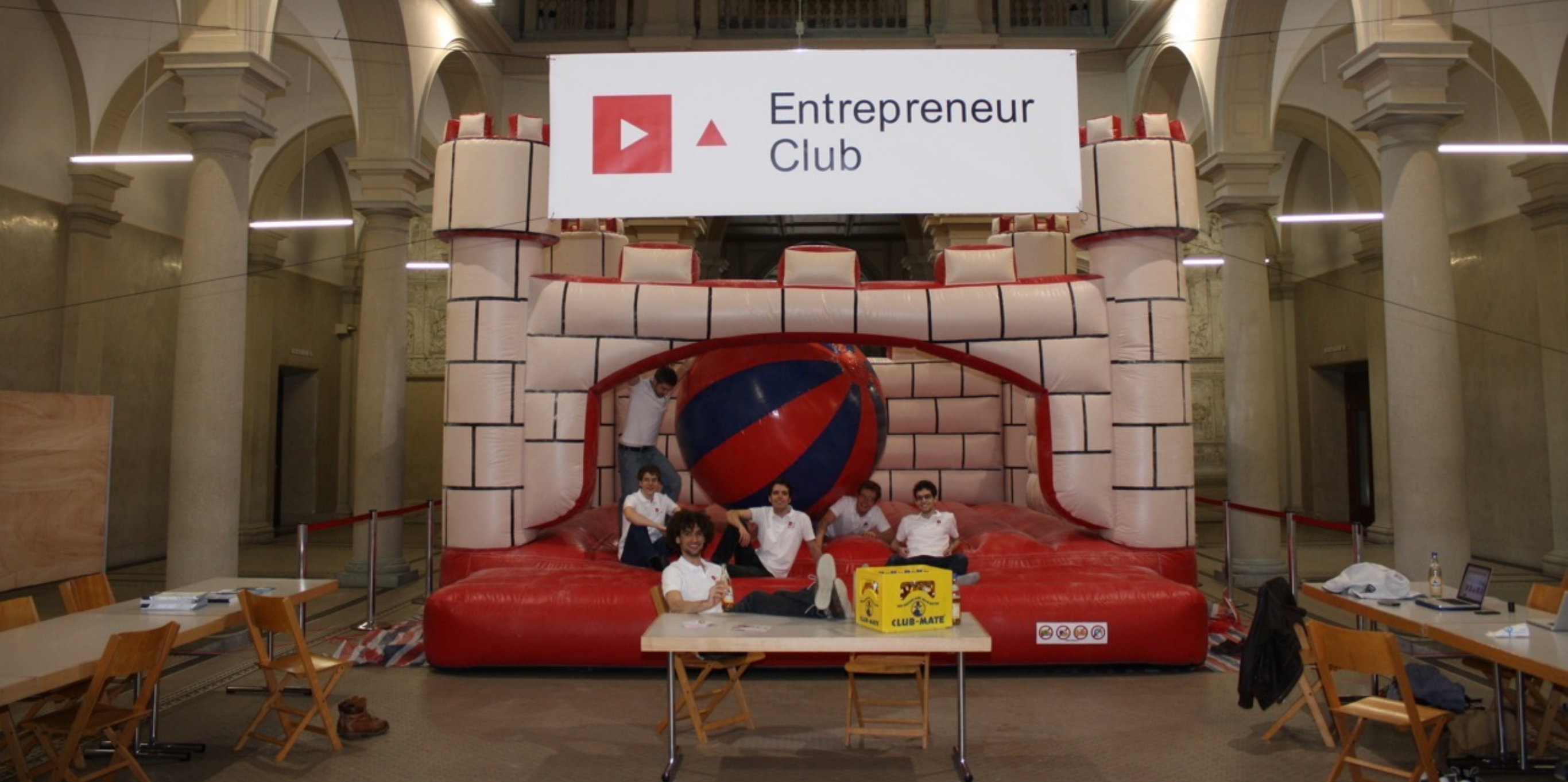


Kick-Off

Entrepreneur Club





Realize your childhood dreams!

But what if light-hearted dreams turn into nightmares?

Technology = (Neutral) Lever

Greed and laziness drive us to

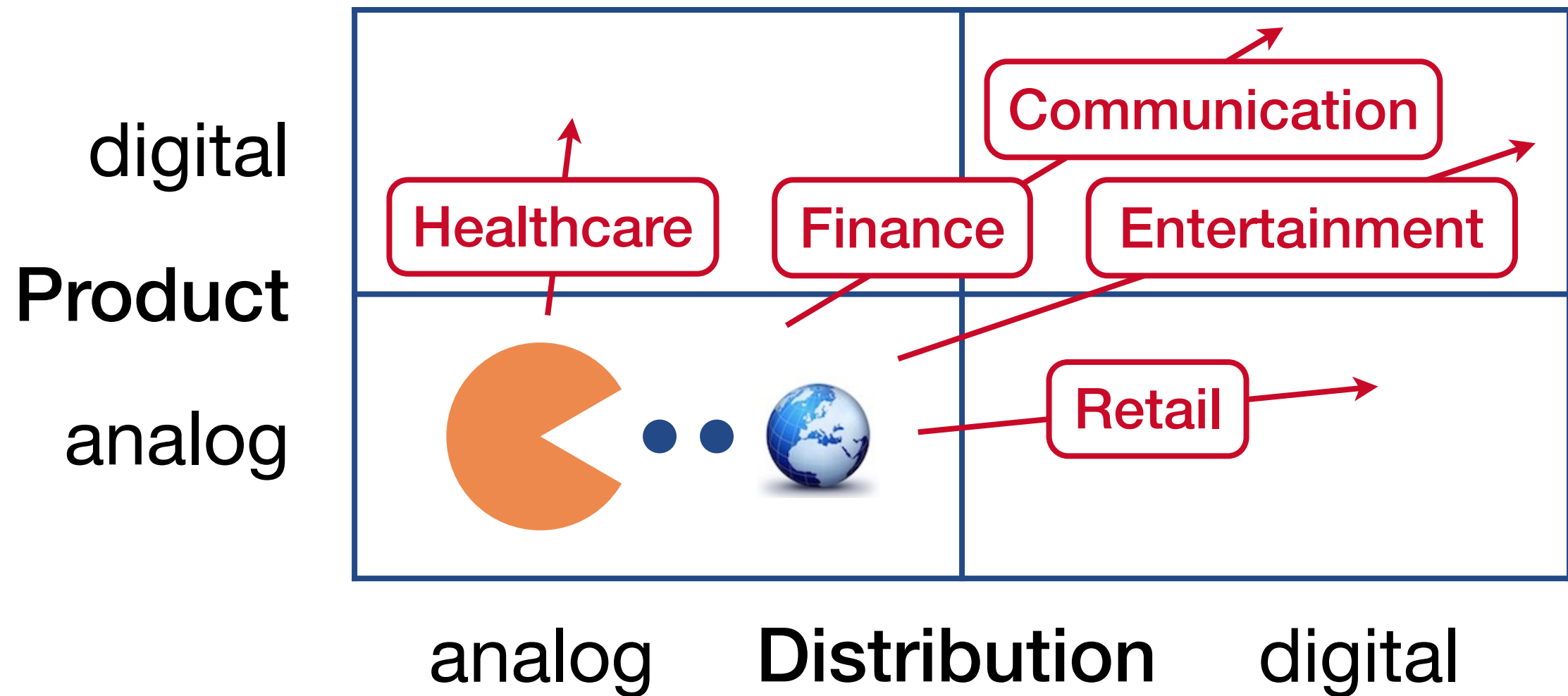
- increase our productivity
 - make our lives easier
- ... which is fine except:



**Problem: Technological progress
far outperforms moral progress**

Software is eating the world!

... because it is more productive





The bigger wave is just coming...

Machine learning will eat the world like nothing before it.

Computers have just learned ...

... how to see, read, write and classify.



Automation brings abundance

Many industries will
be transformed into
pure AI industries...

Capital: ↑, Wages: ↓



**Should be beneficial if we manage
it well – but we are not prepared!**



amazon mechanical turk
Artificial Artificial Intelligence



Task APIs

Automation

Above
the API
Jobs

Below
the API
Jobs

Below
the API
Robots

2005

2020?

Make sure to work above the API!

... and take care of all the people that work(ed) below it.

We'll give robots full autonomy

... because of

- increased speed
- high complexity
- risk of jamming

Current examples:

- financial markets
- auton. weapons



**AI is the ultimate
productivity boost!**

A rational agent will strive to ...

- stay functional (self-preservation)
- keep its goal (goal-preservation)
- get stuff (resource accumulation)
- be smarter (intelligence explosion)

The problem is not malevolence but different goals and higher decision quality!



2014: A turning point in AI safety!

Many smart people take superintelligence very seriously.

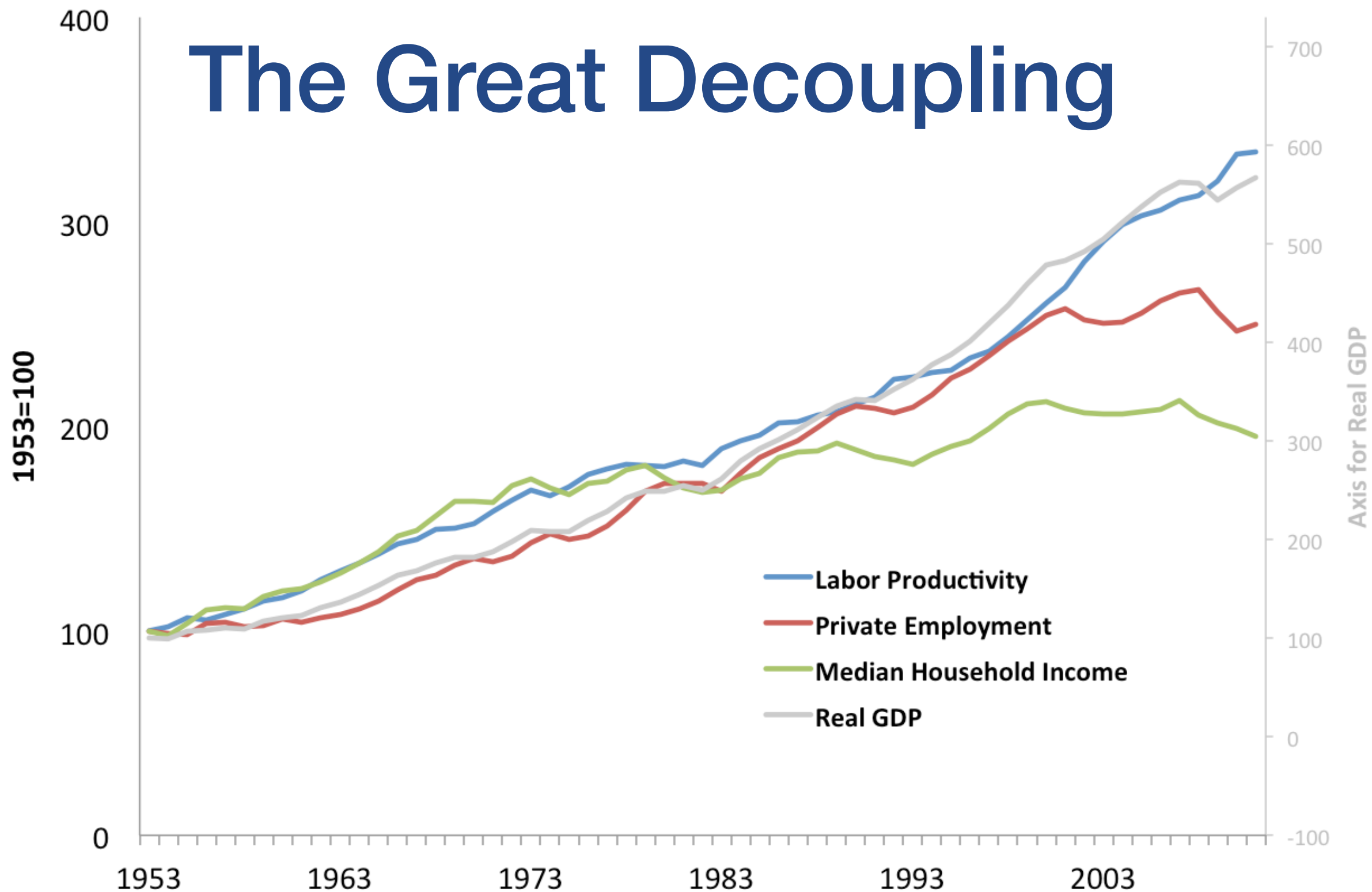
Discussion

www.superintelligence.ch

**With great power
comes great
responsibility!**



The Great Decoupling



© 2012 Andrew McAfee (@amcafee)

Sources: Census Bureau, Bureau of Labor Statistics

Machine Intelligence LANDSCAPE

CORE TECHNOLOGIES

ARTIFICIAL INTELLIGENCE



DEEP LEARNING



MACHINE LEARNING



NLP PLATFORMS



PREDICTIVE APIS



IMAGE RECOGNITION



SPEECH RECOGNITION



RETHINKING ENTERPRISE

SALES



SECURITY / AUTHENTICATION



FRAUD DETECTION



HR / RECRUITING



MARKETING



PERSONAL ASSISTANT



INTELLIGENCE TOOLS



RETHINKING INDUSTRIES

ADTECH



AGRICULTURE



EDUCATION



FINANCE



LEGAL



MANUFACTURING



MEDICAL



OIL AND GAS



MEDIA / CONTENT



CONSUMER FINANCE



PHILANTHROPIES



AUTOMOTIVE



DIAGNOSTICS



RETAIL



RETHINKING HUMANS / HCI

AUGMENTED REALITY



GESTURAL COMPUTING



ROBOTICS



EMOTIONAL RECOGNITION



SUPPORTING TECHNOLOGIES

HARDWARE



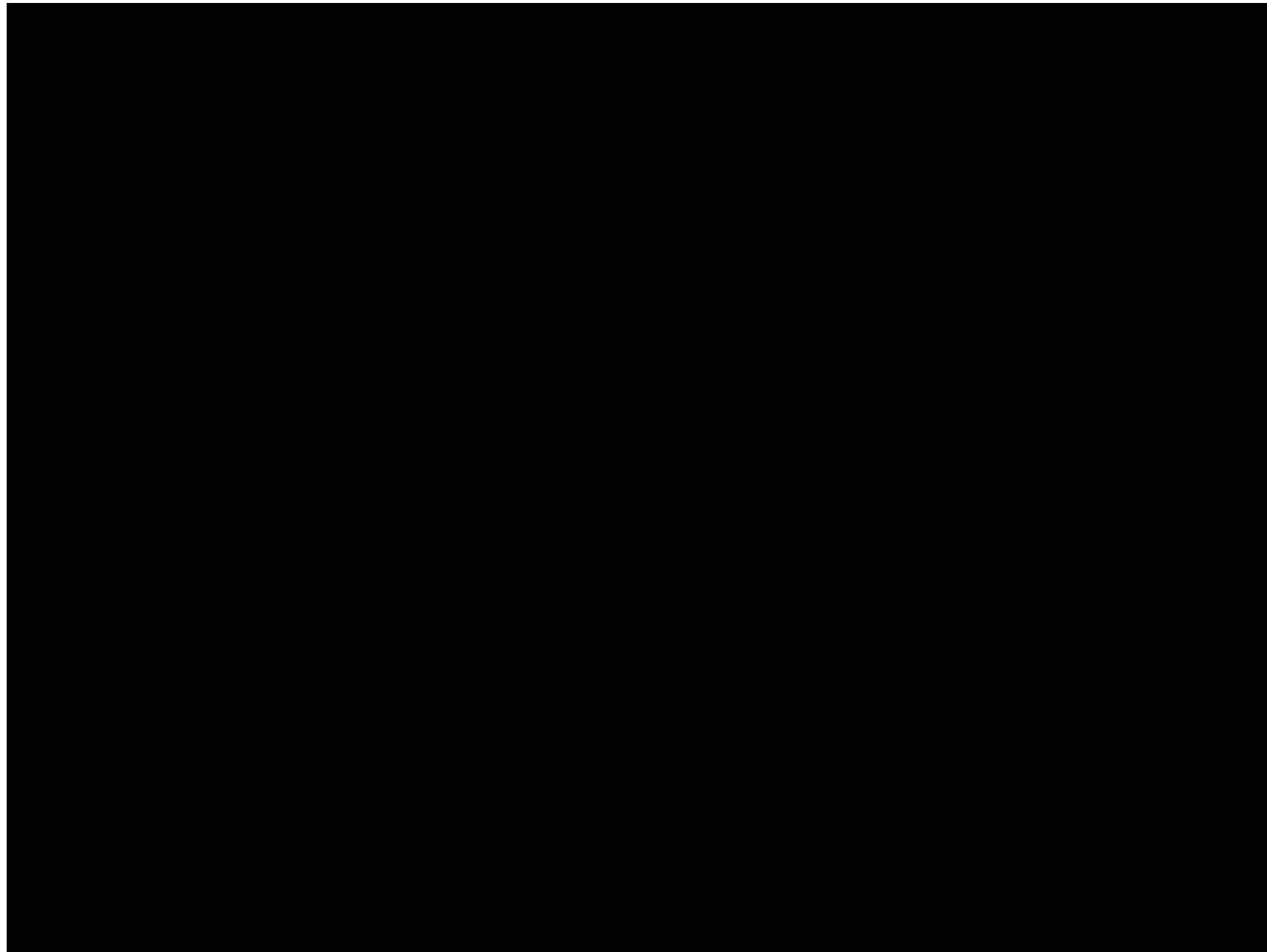
DATA PREP



DATA COLLECTION



Reinforcement Learning by



Exponential Improvements

