



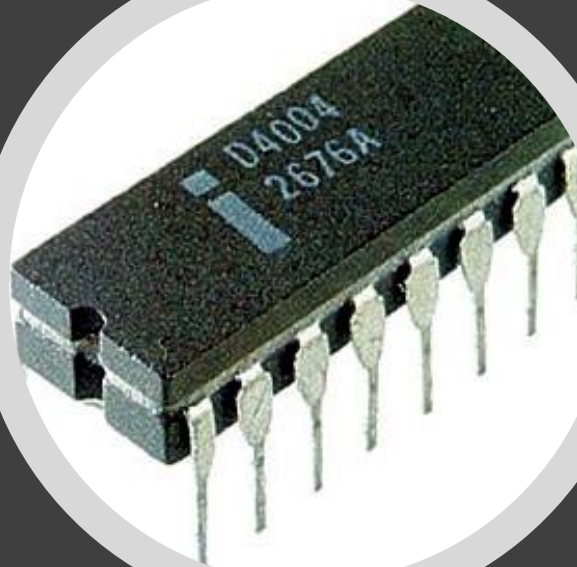
BUONGIORNO, DAVE



BIG BANG

Larry Downes, Paul Nunes, 2013

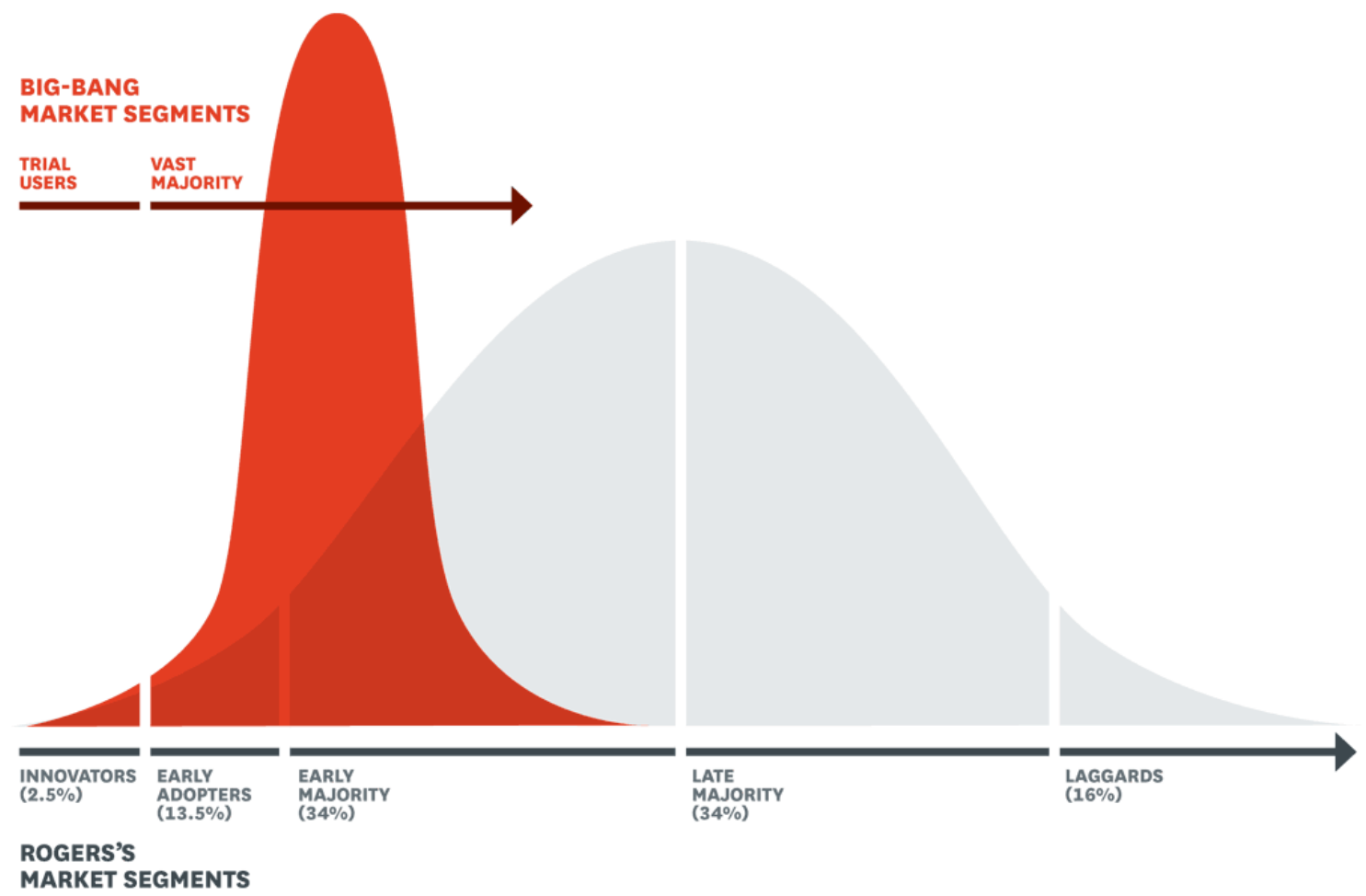
3C® WORLD WIDE WF
consortium



Esempi di innovazioni
Big-Bang



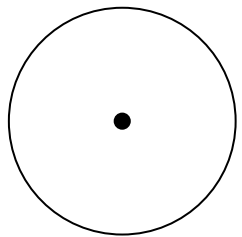
Le innovazioni Big-Bang collassano il consueto ciclo di adozione



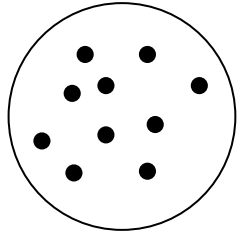


La corsa delle prestazioni attraverso gli OOM (Orders of Magnitudes)

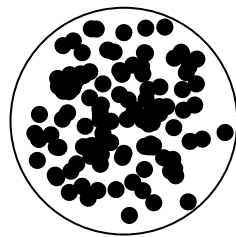
10x/anno negli ultimi 6 anni



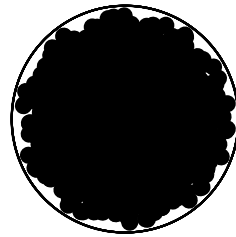
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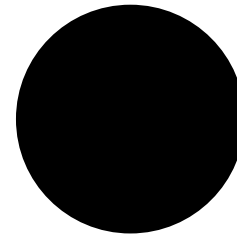
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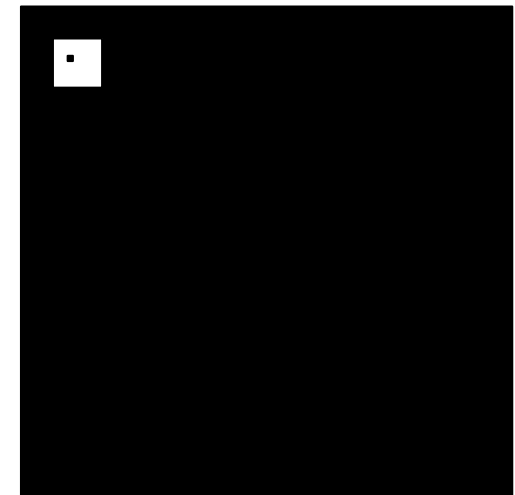
100



1000



10000





I TRE PILASTRI DELLA CRESCITA:

- POTENZA DI CALCOLO
- ALGORITMI
- "UNHOBBLING"

*Metropolitan Edison Company
General Public Utility*

Met-Ed / GPU

**THREE MILE ISLAND
NUCLEAR
GENERATING STATION**

Authorized Personnel Only

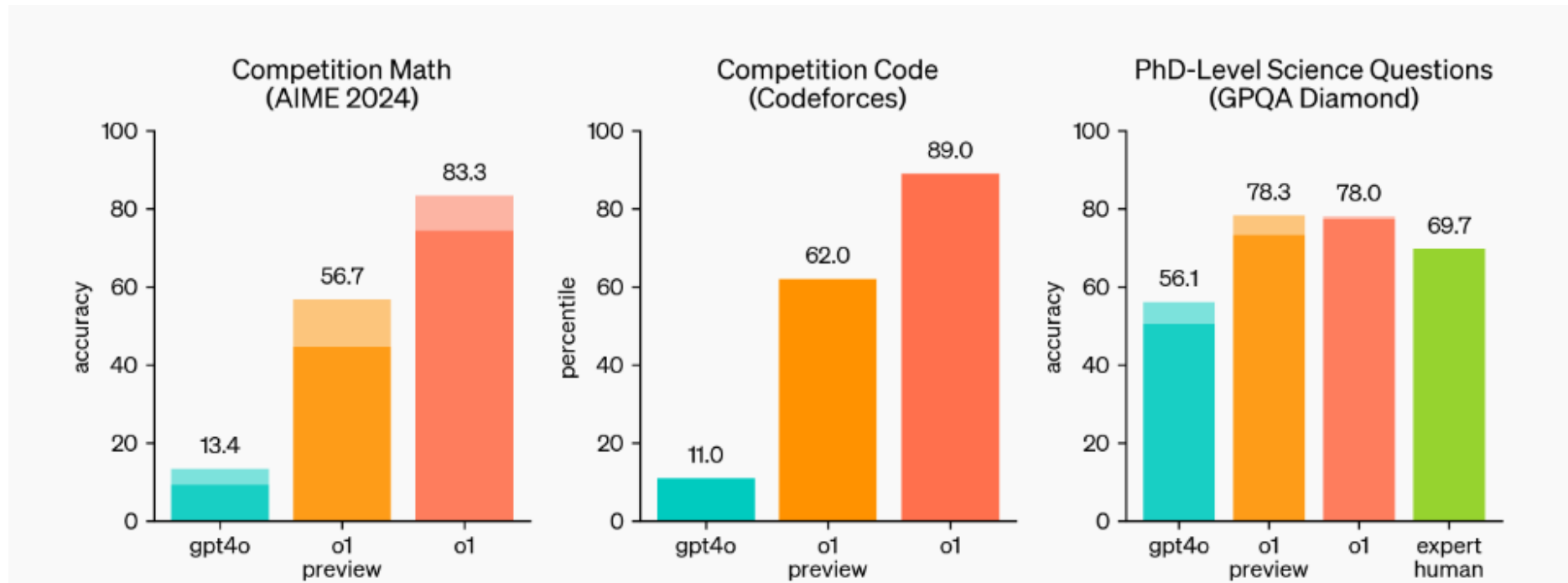
**OBSERVATION CENTER
3/4 Mile Ahead**



Prestazioni a livello di PhD

Test per le persone e ML benchmarks

Source: OpenAI GPT-o1-Strawberry release, Sep 12, 2024





Ludwig
Wittgenstein

Filosofo

1889-1951

Tractatus Philosophicus

1921

“ ***Die Grenzen meiner Sprache bedeuten
die Grenzen meiner Welt.***

(I limiti del mio linguaggio definiscono i limiti del mio mondo.)

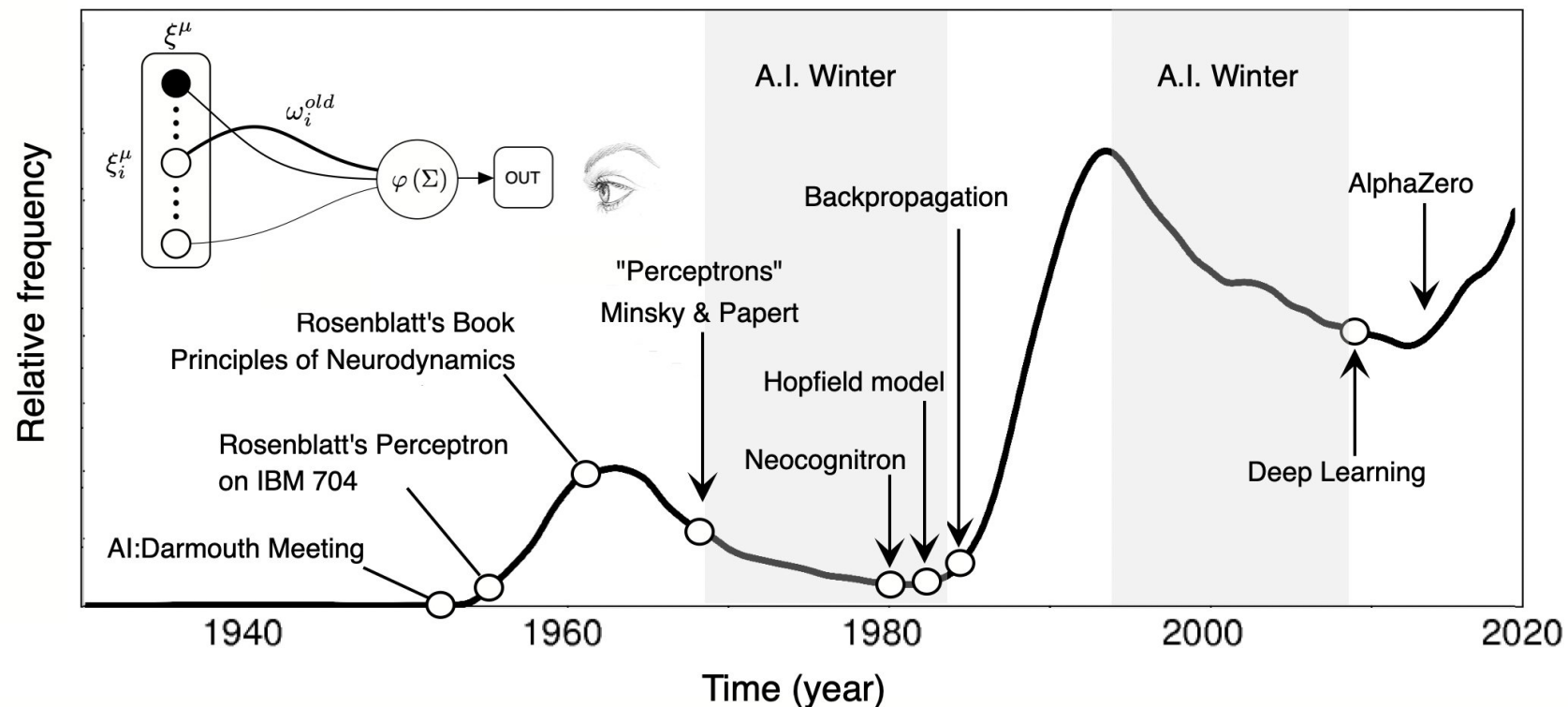
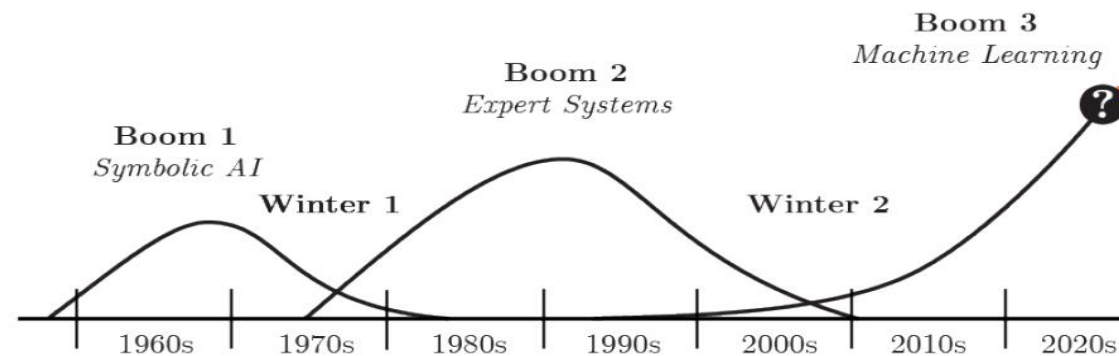
Brevi Cenni Storici

preparato da William Vespi

L'IA segue la Teoria delle rivoluzioni scientifiche di T.Kuhn



L'IA ha vissuto cicli tra importanti e periodi di stagnazione, comunemente chiamati «gli inverni dell'IA»



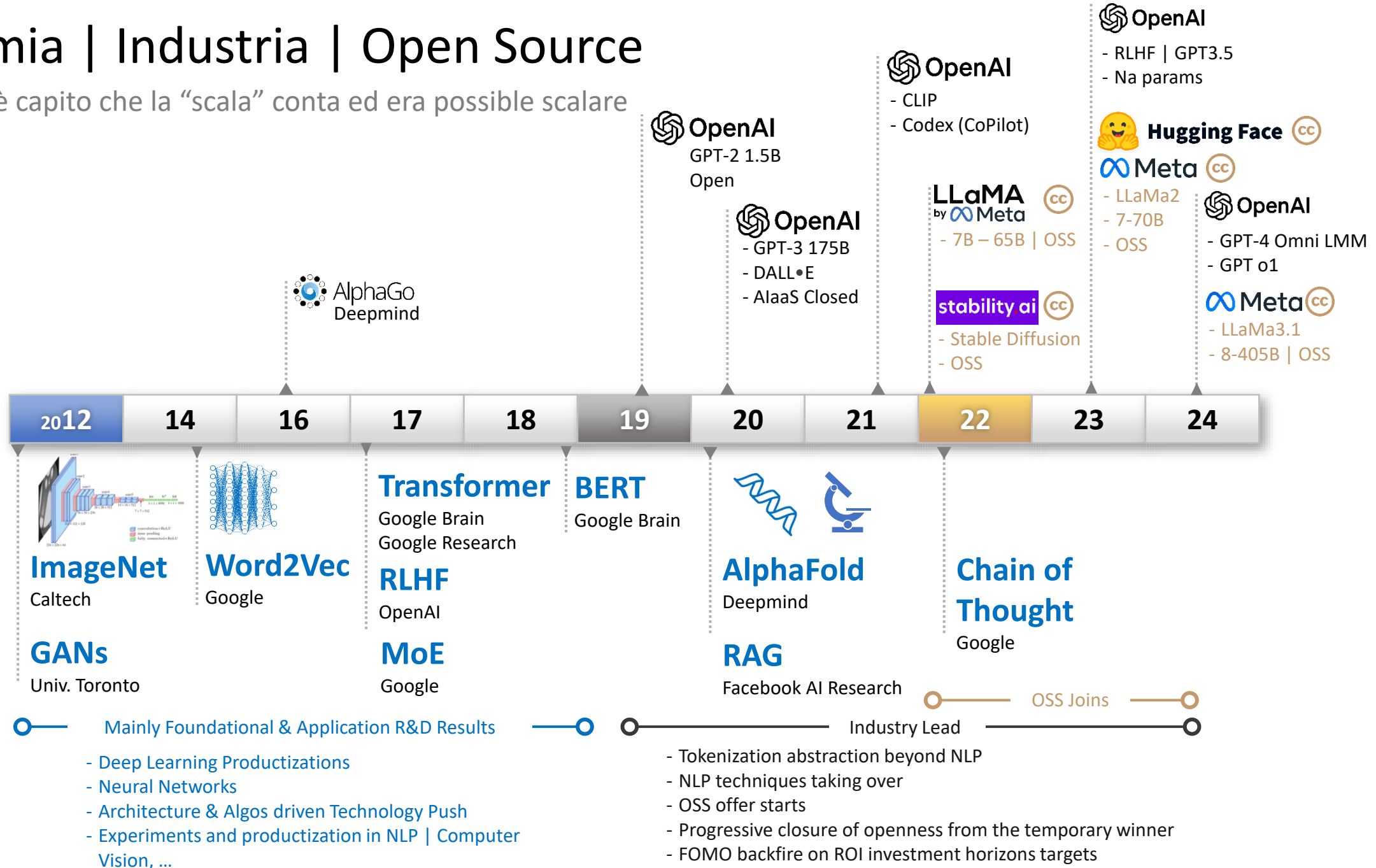
Accademia | Industria | Open Source

Da quando si è capito che la “scala” conta ed era possibile scalare

Startup Corporate

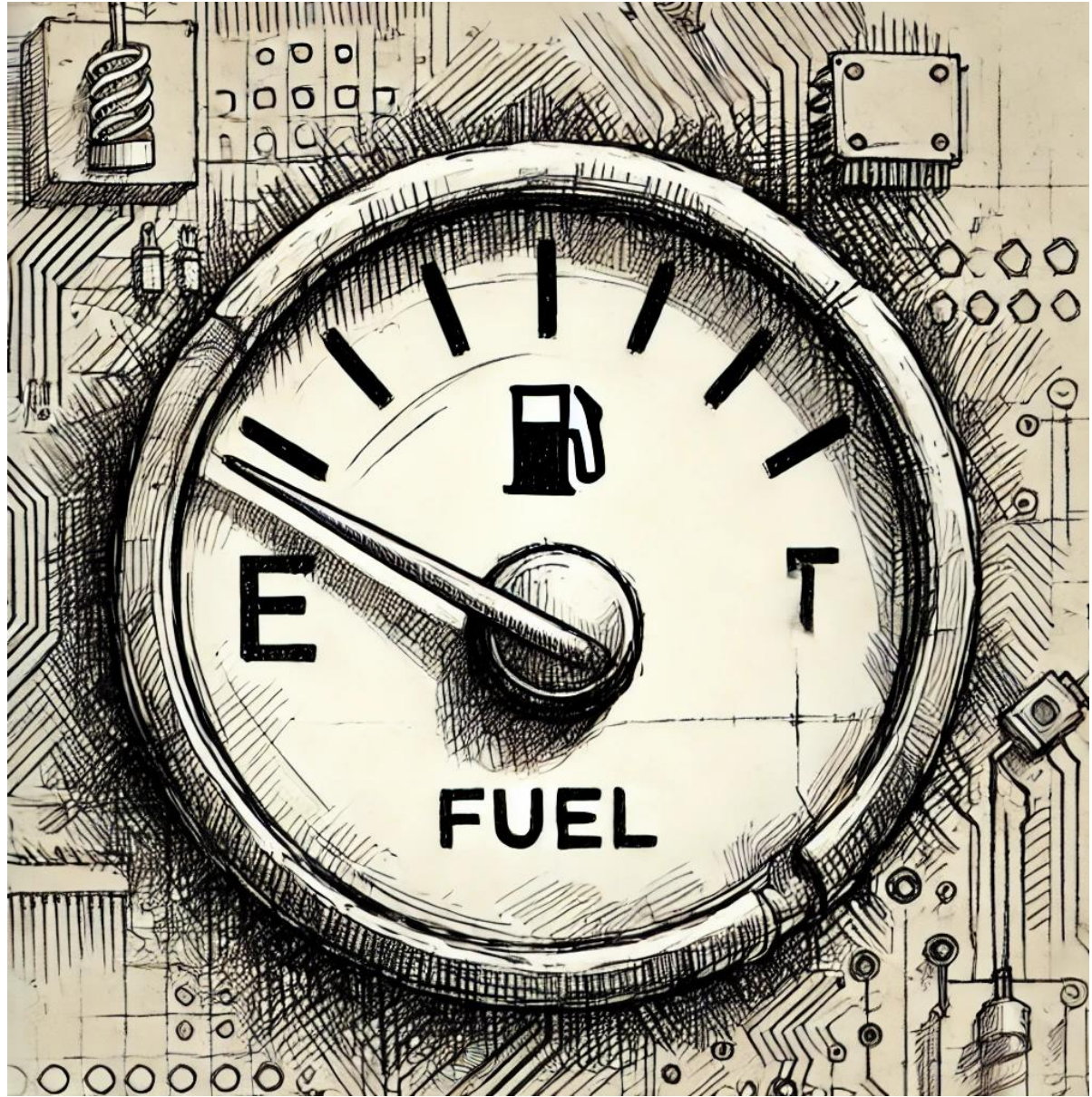
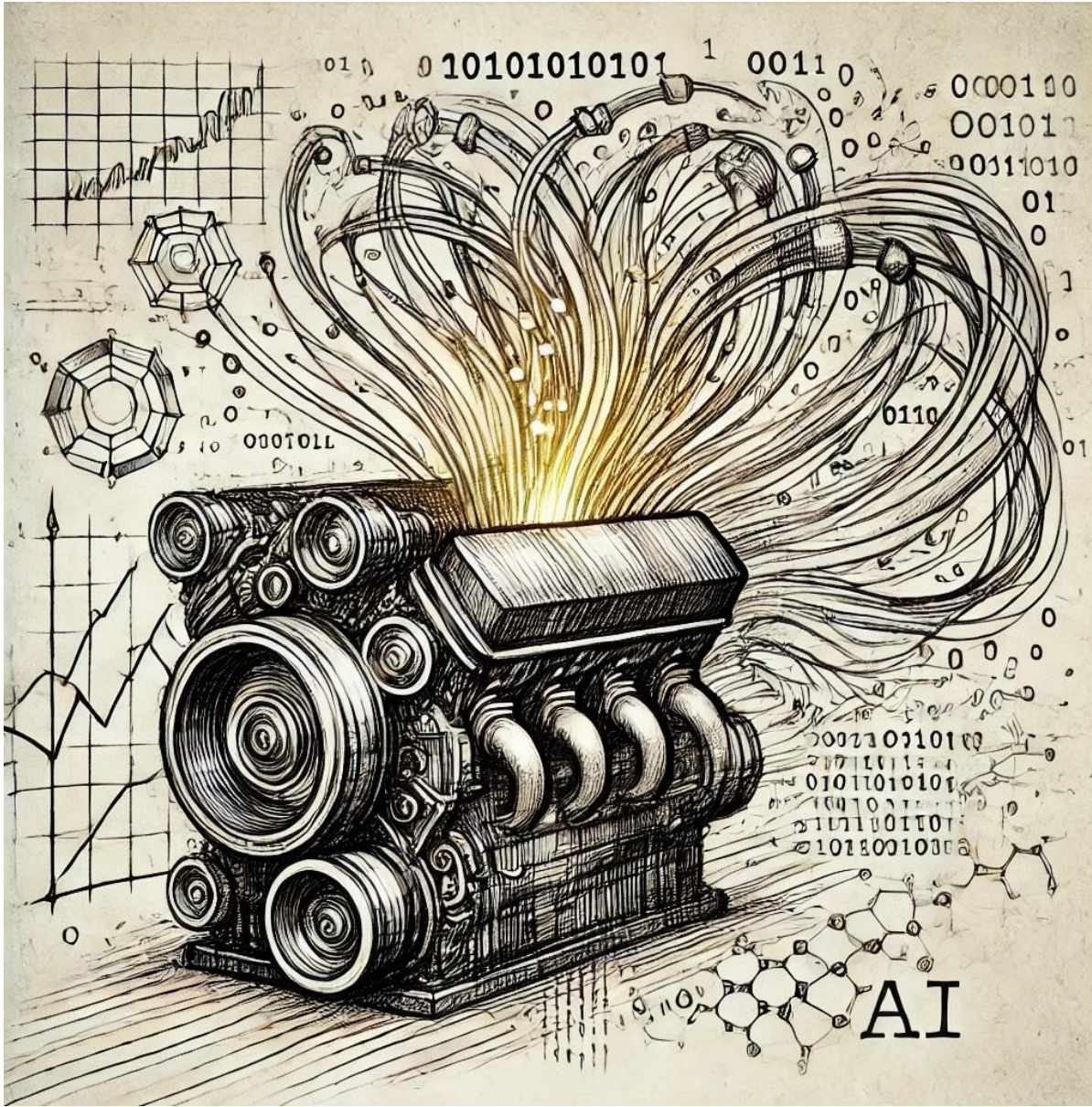
Open Source

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La democratizzazione dell'IA

Il prossimo futuro





Clayton Christensen

HBS Professor and
Disruptive Innovation paradymes creator

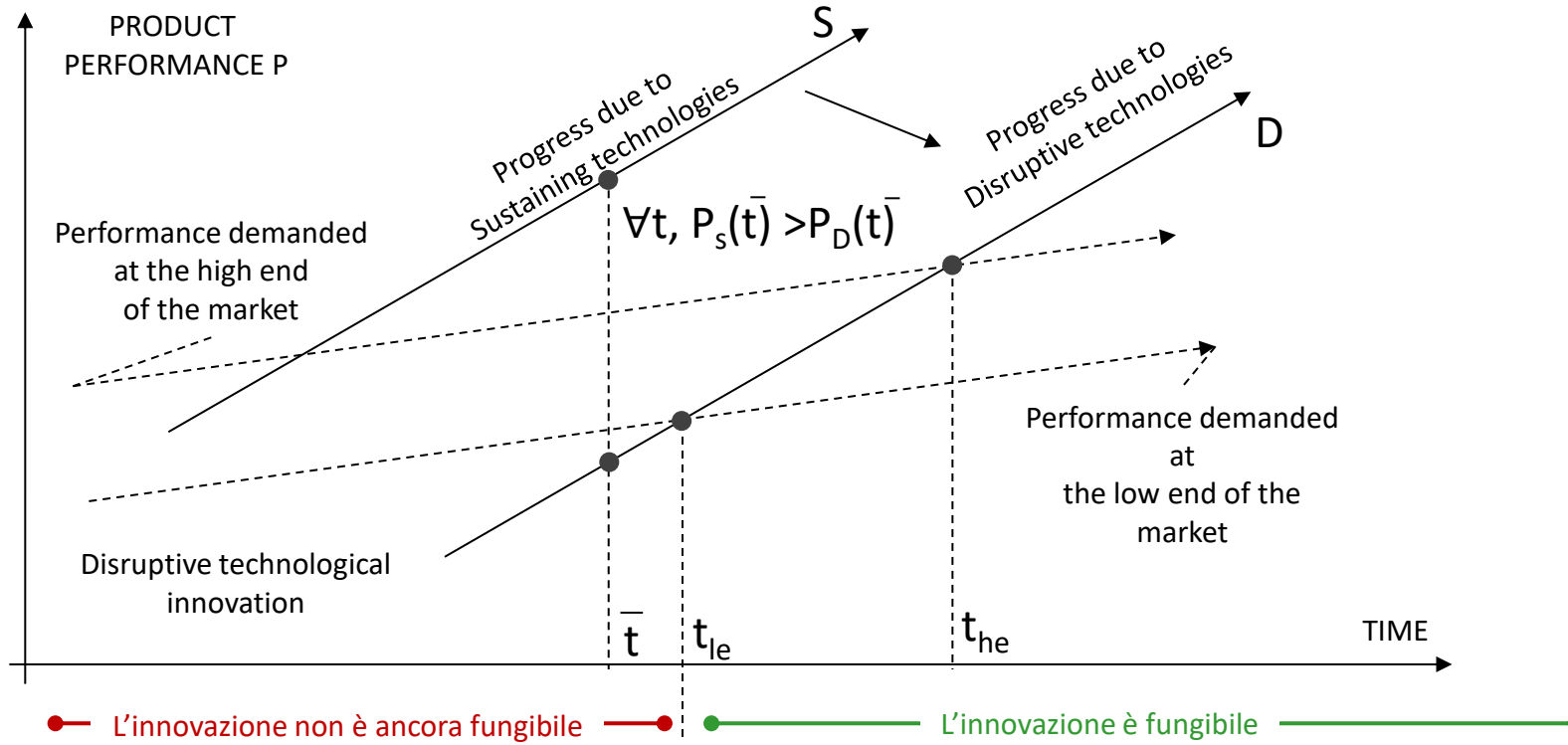
Disruptive Technologies

The Innovator's Dilemma

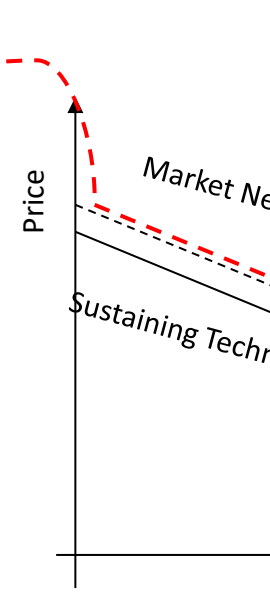
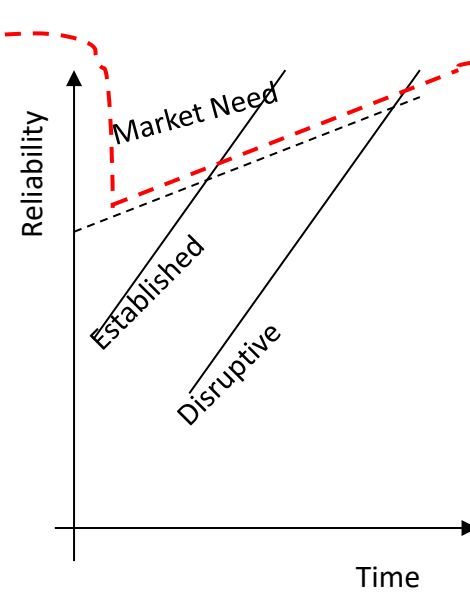
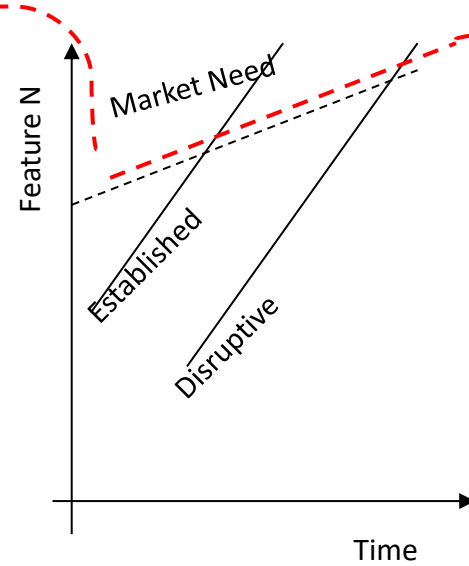
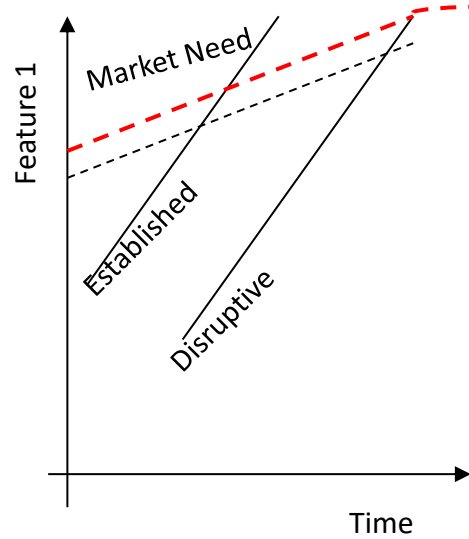
Recommended Readings:

- C.M.Christensen, *The innovator's dilemma*, Harper Collins, 1997
- R.J.Foster, *The Attacker's Advantage*, New York Summit Books 1986
- D.Sahal, *Patterns of Technological Innovation*, Addison Wesley 1981
- A. De Geus, *The living company*. Nicholas Brealey Publishing 1999

Richieste del mercato verso sviluppo tecnologico



Una
potentissima
tecnologia a
disposizione di
tutti a basso
costo



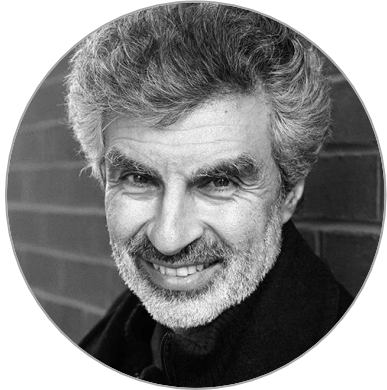
Commodity



Stefano Soatto

Professor
UCLA
Vice President
AWS

“ AI is not just a technology; it is a new way of thinking about knowledge, about perception, and about decision-making.



Yoshua Benjo

Professor
Université de Montréal
Turing Award
2018

“ The progress in AI we’ve seen over the past few years is only the beginning. It’s going to transform entire industries, just as electricity did.

Hai una strategia dei dati?

Oggi, il valore dei dati è pienamente realizzabile

Red Queen effect

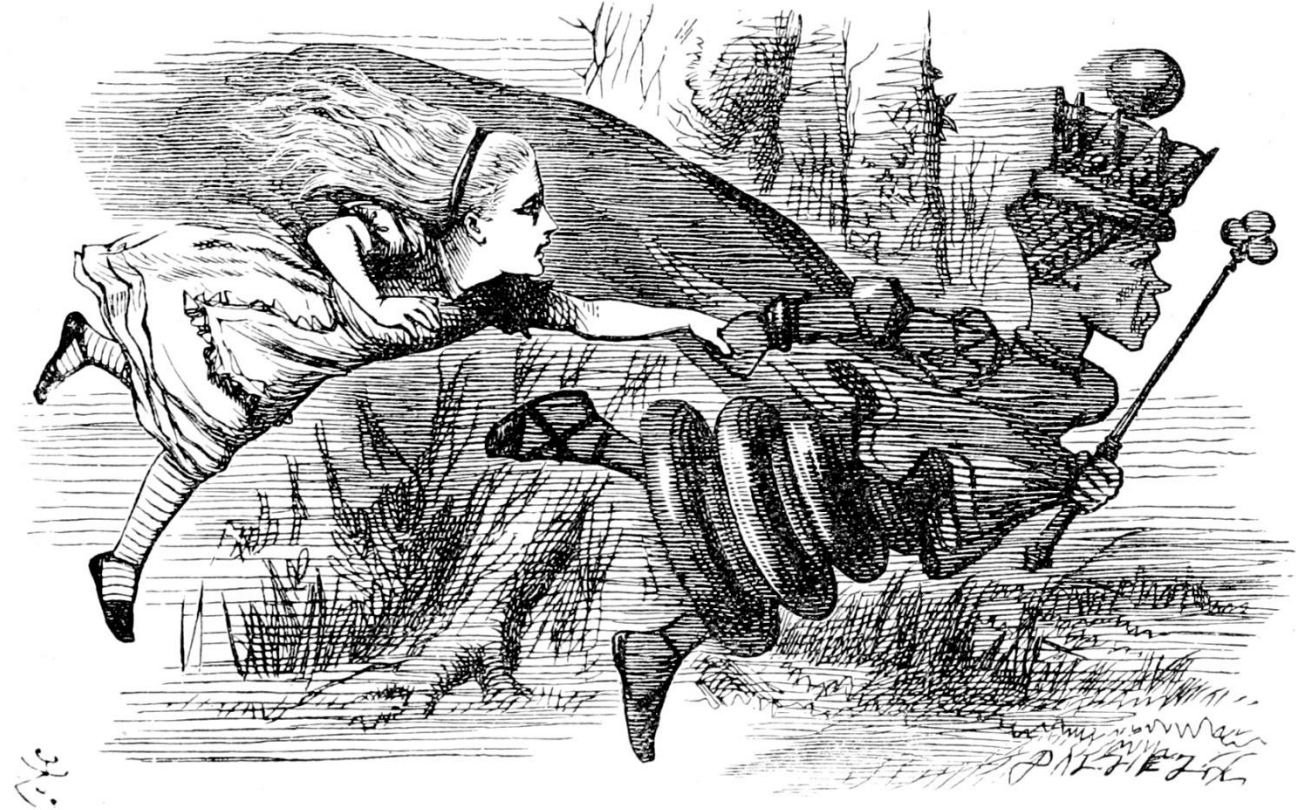
“

A slow sort of country', said the Red Queen.

'Now here, you see, it takes all the running you can do to keep in the same place.

If you want to get somewhere else, you must run at least twice as fast as that!

Alice Through the Looking Glass,
Lewis Carroll - 1872





Stanley Kubrick
Filmmaker

“ I do not always know what I want,
but I do know what I don't want

“ I cambiamenti sono opportunità
che le imprese tendono a ignorare
e resistere finché è troppo tardi.



“Oops ...

Rana Bollita

Esperto di adattamento
graduale