
FLIGHT
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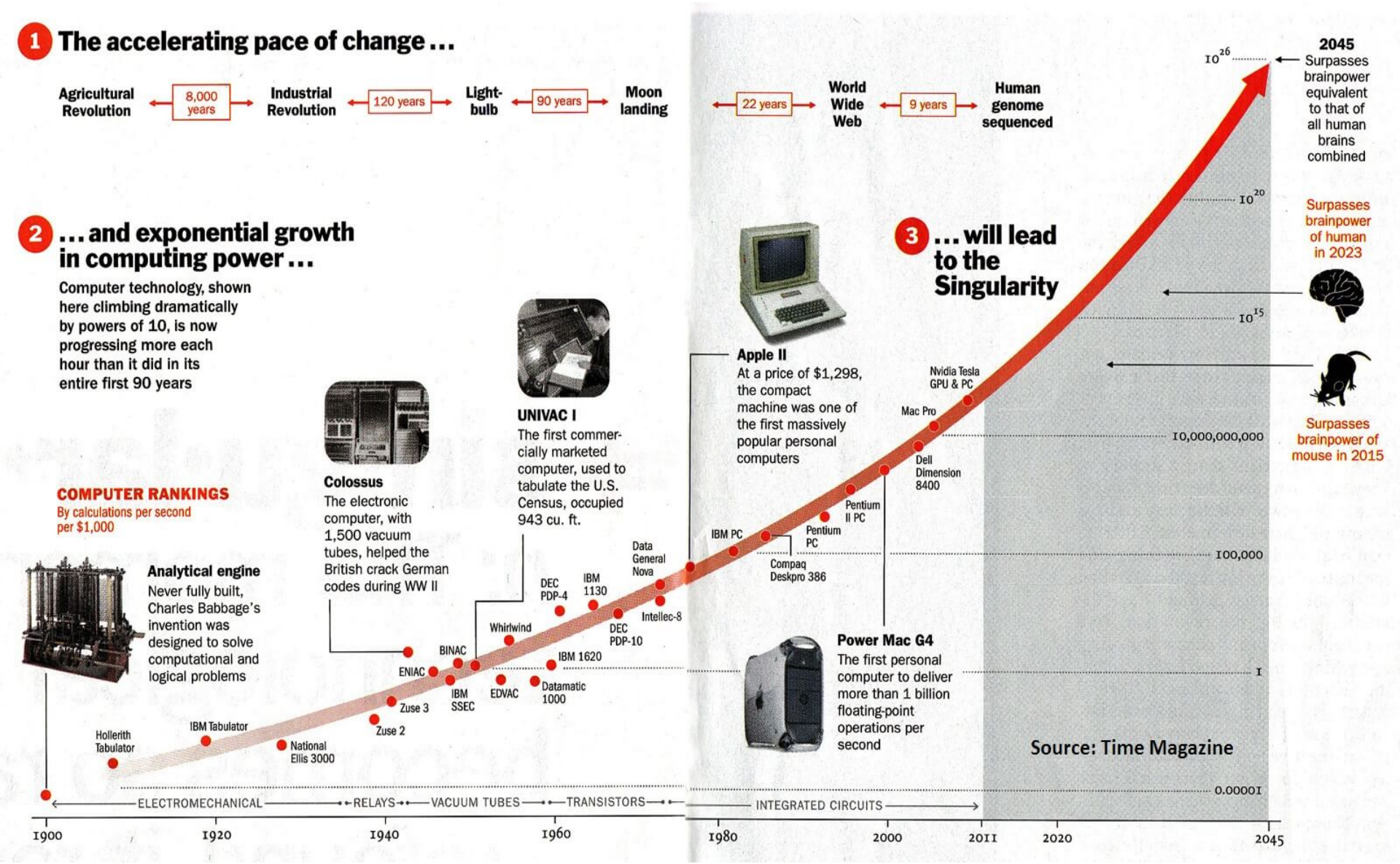
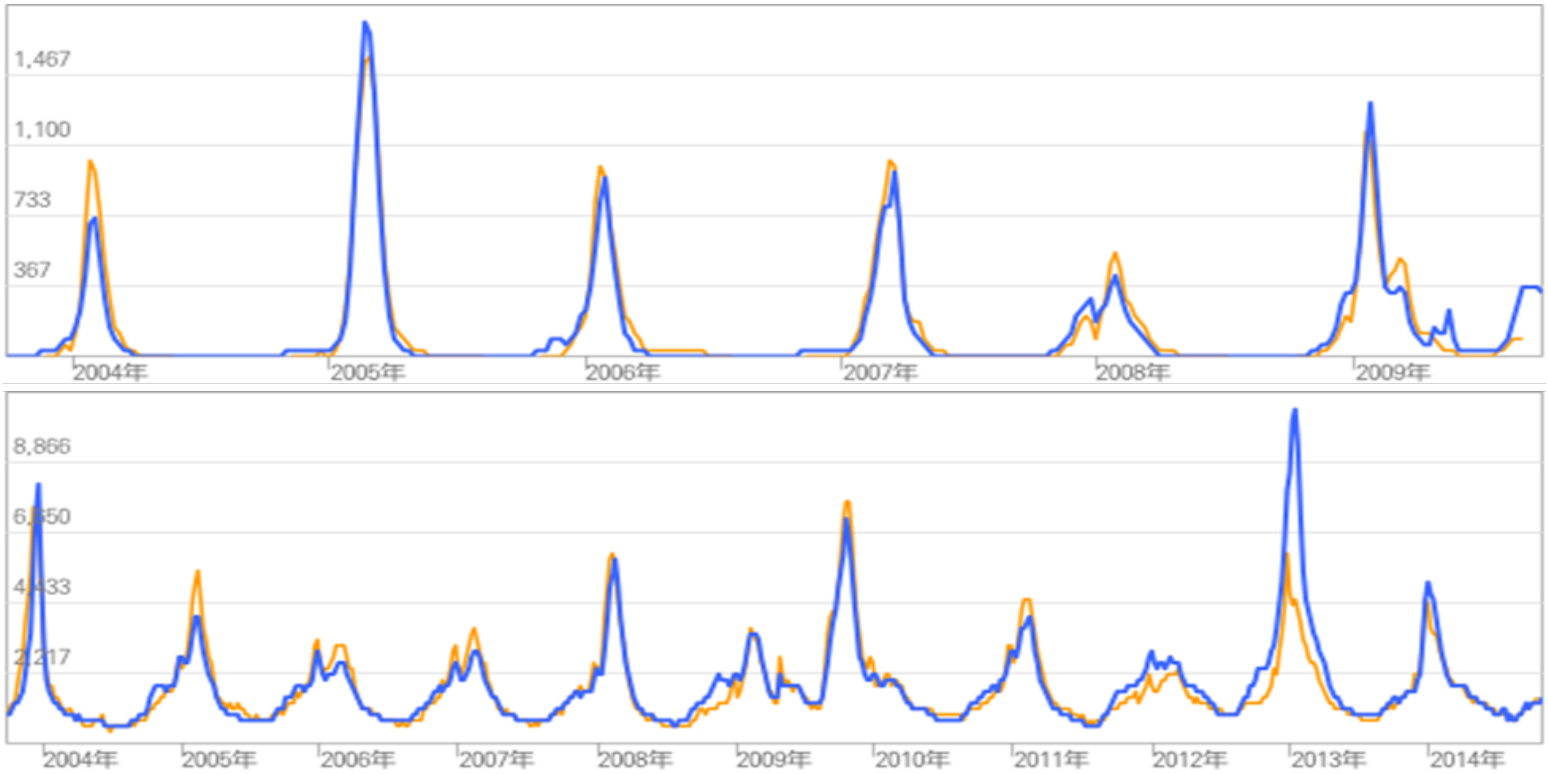
aw
TECINORAMA


1 The accelerating pace of change ...
Agricultural Revolution
8,000 years
Industrial Revolution
120 years
Light-bulb
90 years
Moon landing
22 years
World Wide Web
9 years
Human genome sequenced
2 ... and exponential growth in computing power ...
Computer technology, shown here climbing dramatically by powers of 10, is now progressing more each hour than it did in its entire first 90 years
3 ... will lead to the Singularity
2045
Surpasses brainpower equivalent to that of all human brains combined
Surpasses brainpower of human in 2023
Surpasses brainpower of mouse in 2015
Apple II
At a price of $1,298, the compact machine was one of the first massively popular personal computers
UNIVAC I
The first commercially marketed computer, used to tabulate the U.S. Census, occupied 943 cu. ft.
Colossus
The electronic computer, with 1,500 vacuum tubes, helped the British crack German codes during WW II
COMPUTER RANKINGS
By calculations per second per $1,000
Analytical engine
Never fully built, Charles Babbage's invention was designed to solve computational and logical problems
Power Mac G4
The first personal computer to deliver more than 1 billion floating-point operations per second
Source: Time Magazine
Hollerith Tabulator
IBM Tabulator
National Ellis 3000
Zuse 2
Zuse 3
ENIAC
BINAC
IBM SSEC
EDVAC
Whirlwind
IBM 1620
Datamatic 1000
DEC PDP-4
IBM 1130
DEC PDP-10
Data General Nova
Intellec-8
IBM PC
Compaq Deskpro 386
Pentium PC
Pentium II PC
Dell Dimension 8400
Mac Pro
Nvidia Tesla GPU & PC
10^26
10^20
10^15
10,000,000,000
100,000
1
0.00001
ELECTROMECHANICAL
RELAYS
VACUUM TUBES
TRANSISTORS
INTEGRATED CIRCUITS
1900
1920
1940
1960
1980
2000
2011
2020
2045

Flu trends search by Google vs Official Data



（Upper Panel **JAPAN**, Lower Panel **USA**.
Blue Lines- Google Influ Trend ; Yellow lines US Official Data Source
http://www.google.org/flutrends/intl/ja/jp/#JP）

1995- DOPPS (Dialysis Outcomes & Practice Pattern Study)

2000- Kyoto University School of Public Health

2005- MHLW Outcome Study

2015- Big Data MHLW

-Feb 8th at U Tokyo Fukutake Hall

2013- G8 Dementia Summit by UK

2016- Japan PPP Platform for Dementia

ACP Japan Chapter

2003-

シン・ニホン