

Transhumanism



T.Ufuk Eren

Volitan Global, CEO

EY, CESA Bölgesi Lideri

DSÖ, PMNCH

TÜSAP, Yürütme Kurulu Üyesi

Sabancı Üniversitesi

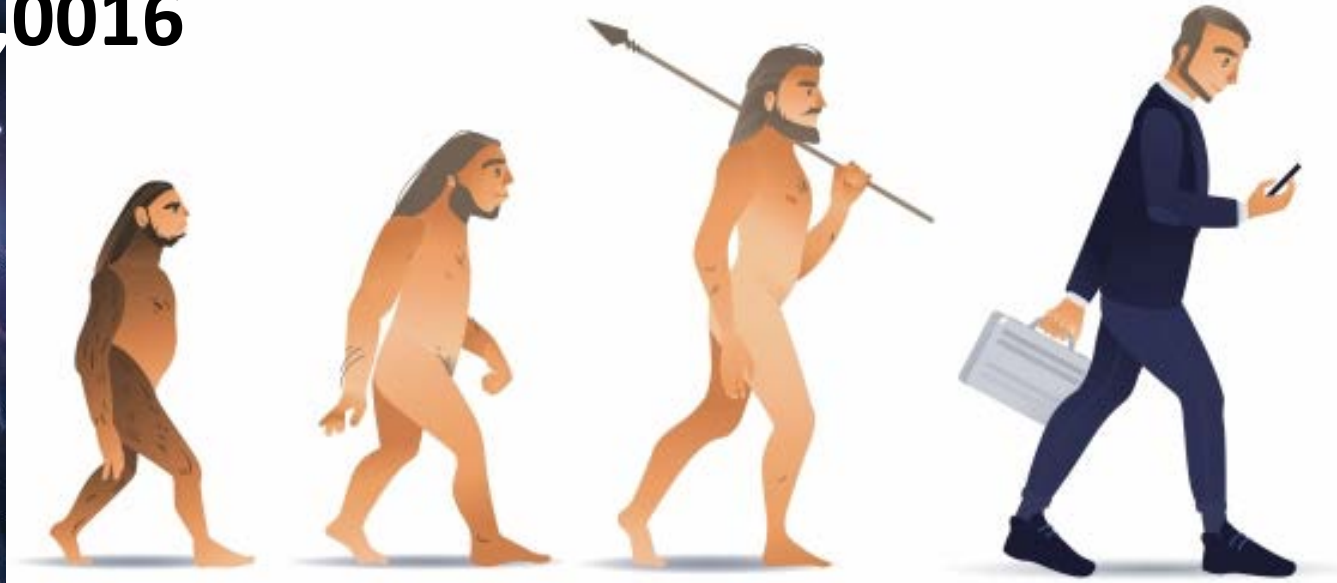
Nereden?

Nereye?





%0,0016



200.000 yıl

10.000 yıl

200 yıl

13,82 milyar yıl

1000s=16dk
1milyon saniye=11gün 6 saat
1milyar saniye=31,5 yıl

Ortalama 75 yıl

SON ÇAĞ 8.0 (LAST AGE 8.0)

Son Çağ (Last Age) (2015-...)



Yapay zekaların gelişimi ve insansı robotların seri üretime geçmesiyle başlar.

Yakın Çağ (Modern Age) (1789 – 2015)



İnsanın demokratikleşme ile yüzleşmesi

Yeni Çağ (New Era) (1453 – 1789)



Dünya haritasındaki dengelerin değişmesiyle başlar.

Orta Çağ (Middle Age) (476- 1453)



Dinsel ve Felsefe akımlarının gelişmesiyle başlar.

İlk Çağ (Antiquity) (Mö.3500 –Ms.476)



İletişimin temeli olan yazının bulunmasıyla başlamıştır.

Maden Çağı (Mine Age)



İnsanların doğayı işlemeye başladığı çağdır.

Taş Çağı (Stone Age)



İnsanların araç gereçler oluşturmaya başladığı çağ

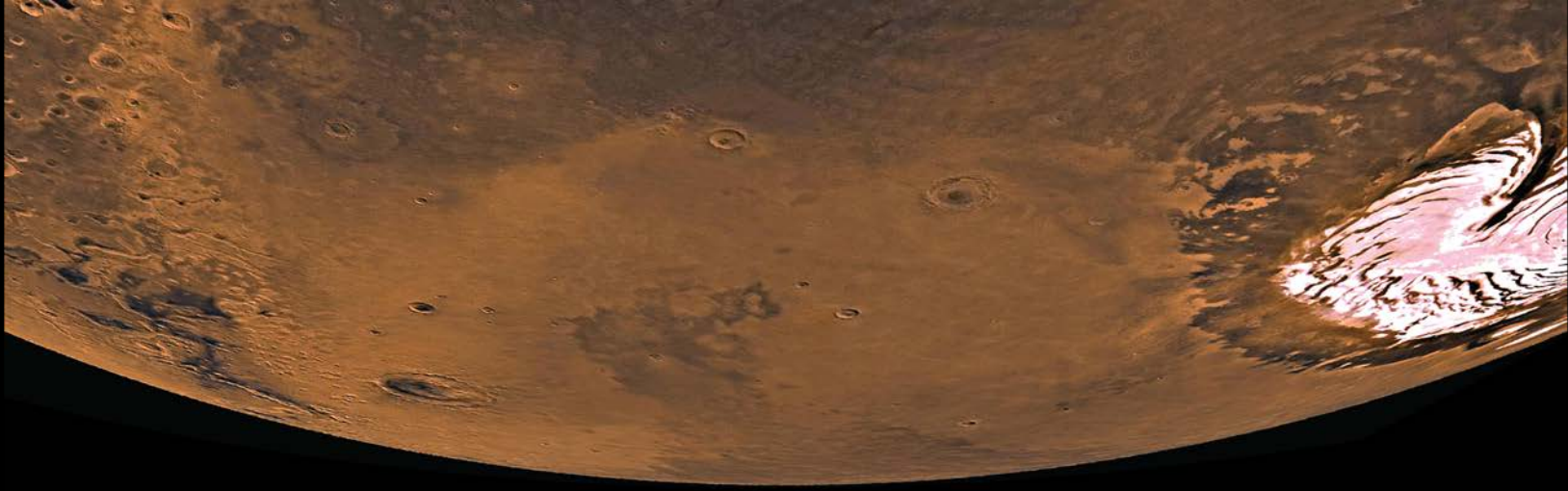
Karanlık Çağ (Dark Age)



İnsanlığa ait bilgilere erişilmediği dönem

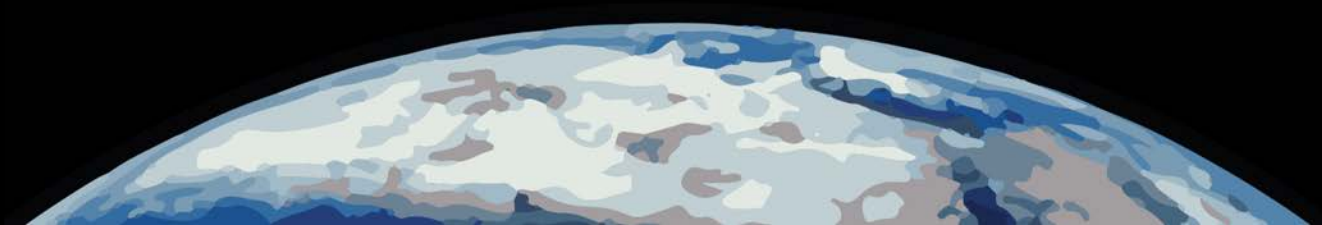


İnsansı Robotların ve Yapay Zeka Çalışmaları Tüm İnsanlığın Kabul Edeceği Bir Heyet Tarafından Kontrol Altında Tutulmalıdır.



L I F E O N M A R S

what would it be like
to leave the earth behind?



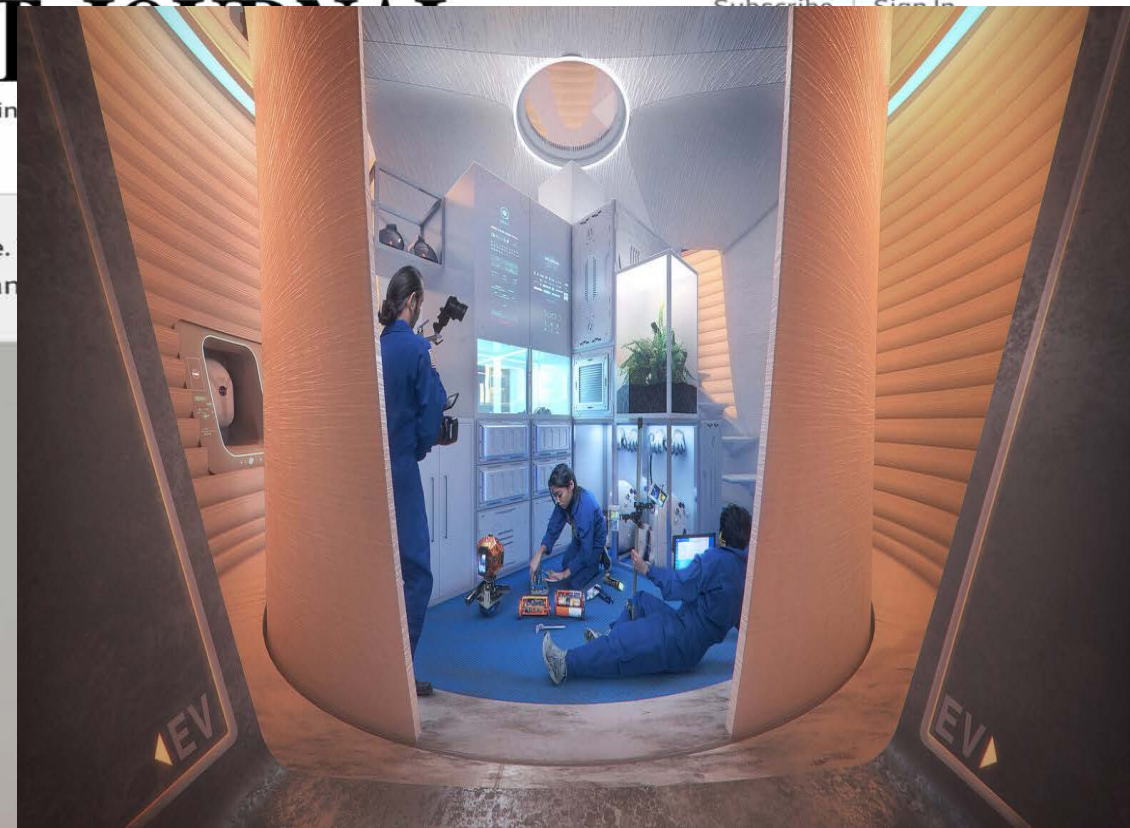
THE WALL STREET JOURNAL

English Edition | October 28, 2019 | Print

[Home](#) [World](#) [U.S.](#) [Politics](#) [Economy](#) [Business](#) [Tech](#) [Markets](#)

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Come on Mars

Planet? Personal Tech columnist David Pierce examines designs from Bjarke Ingels, Foster + Partners and others.

JAN
2018

DIGITAL AROUND THE WORLD IN 2018

KEY STATISTICAL INDICATORS FOR THE WORLD'S INTERNET, MOBILE, AND SOCIAL MEDIA USERS

TOTAL
POPULATION



7.593
BILLION

URBANISATION:
55%

INTERNET
USERS



4.021
BILLION

PENETRATION:
53%

ACTIVE SOCIAL
MEDIA USERS



3.196
BILLION

PENETRATION:
42%

UNIQUE
MOBILE USERS



5.135
BILLION

PENETRATION:
68%

ACTIVE MOBILE
SOCIAL USERS



2.958
BILLION

PENETRATION:
39%

we
are
social



we
are
social



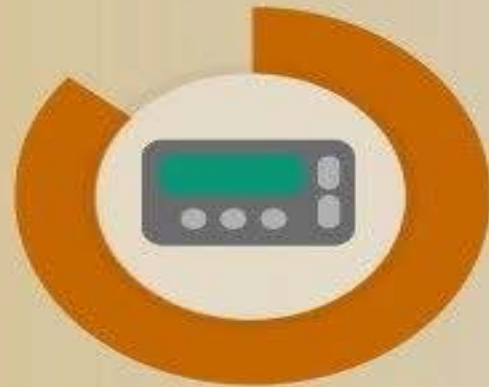
Hootsuite™

we
are
social

NUMBER OF YEARS IT TOOK FOR EACH
PRODUCT TO GAIN 10 MILLION USERS

Yesterday's World: the old tech that kids don't know

Share of 6 to 18 year olds in the UK that did not know what the following items were*



86%
Pager



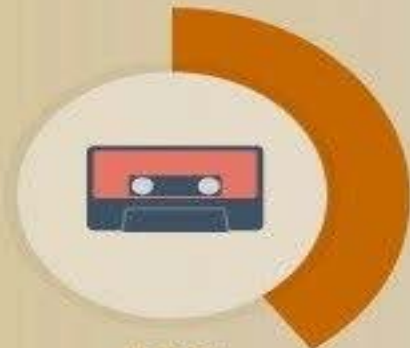
86%
Ceefax/Teletext



71%
Overhead projector



67%
Floppy disk



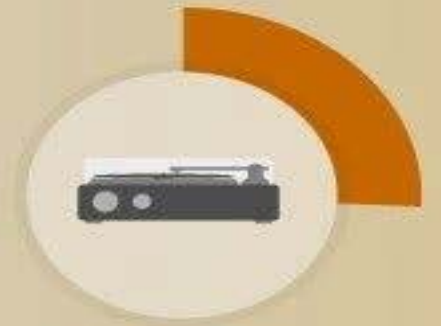
40%
Music cassette



37%
Video cassette



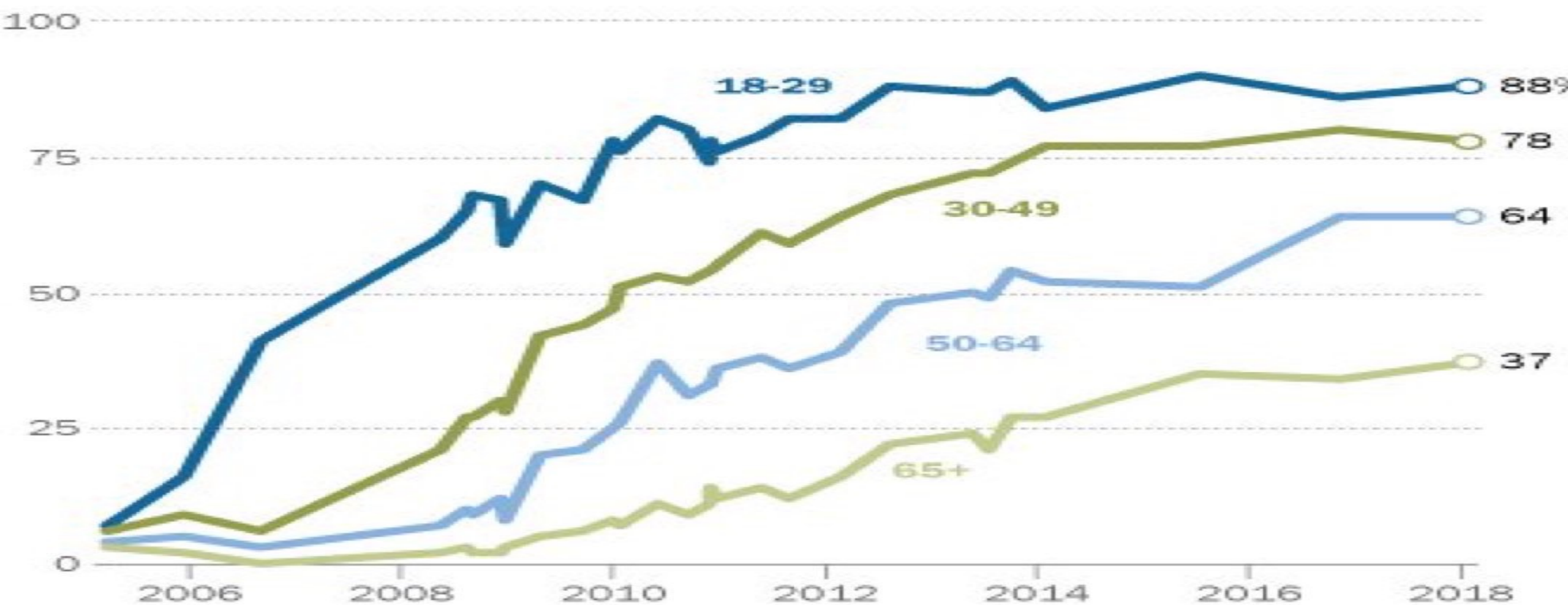
27%
Typewriter



26%
Record/record player

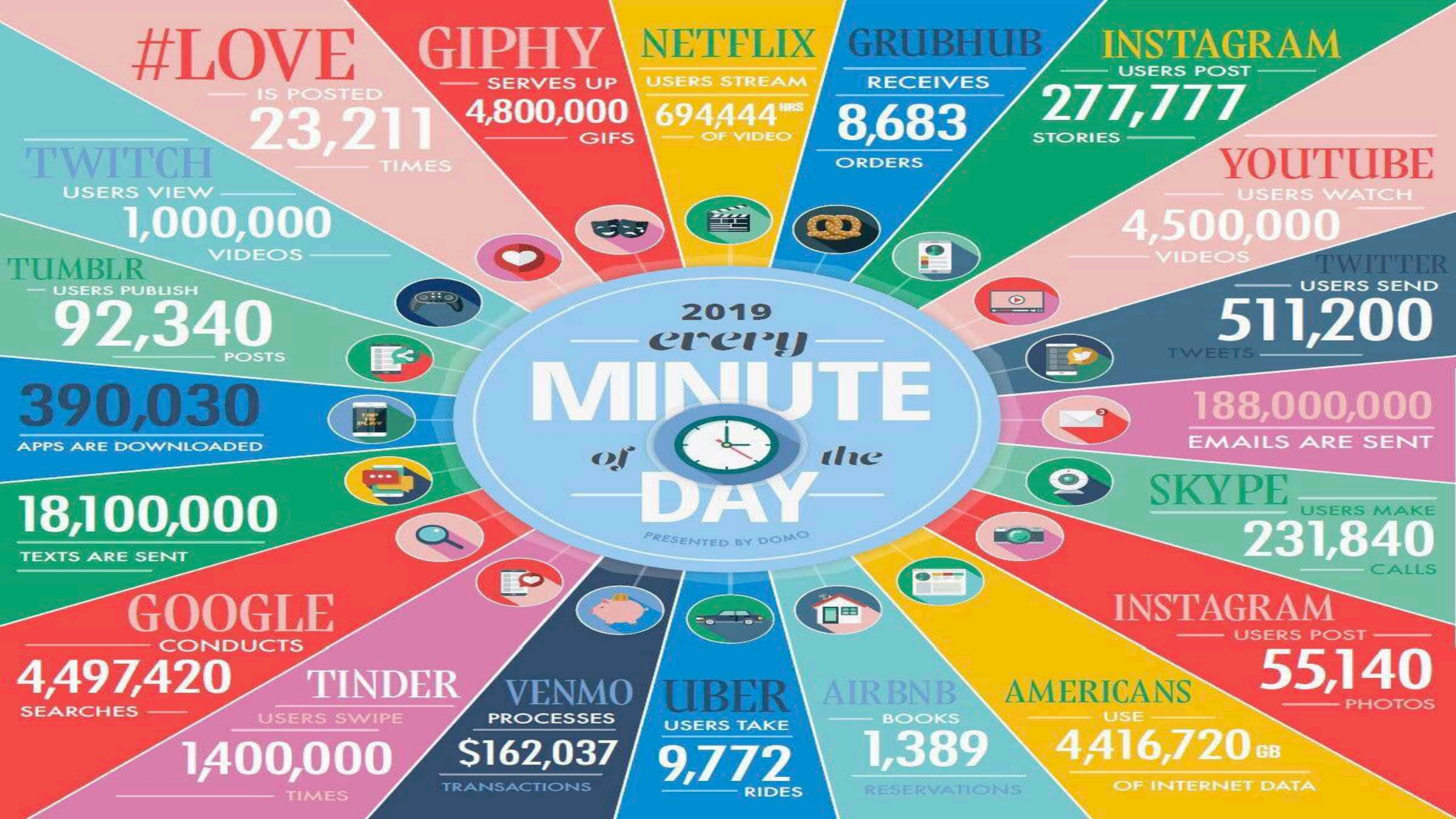
Social media use has grown dramatically

% of U.S. adults who say they use social media sites, by age



Source: Survey conducted Jan. 3-10, 2018.

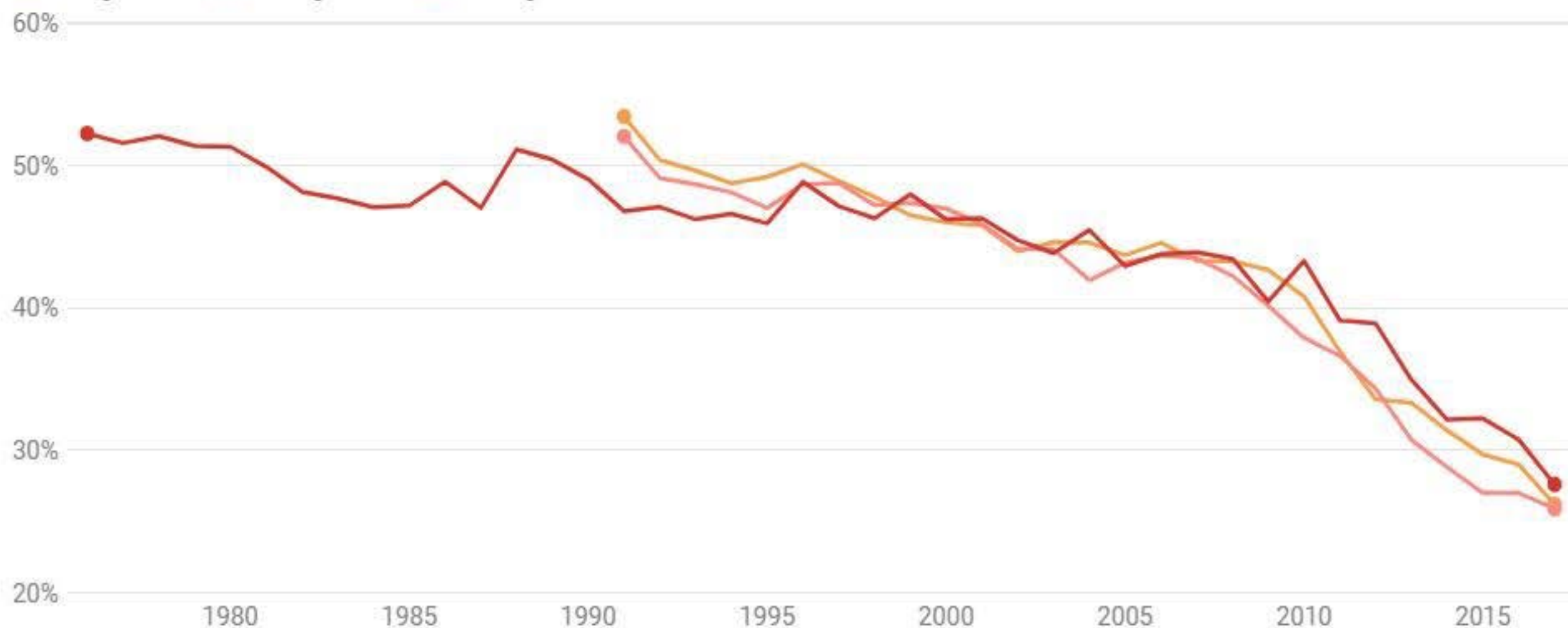
PEW RESEARCH CENTER



Teens who meet up with their friends 'almost every day'

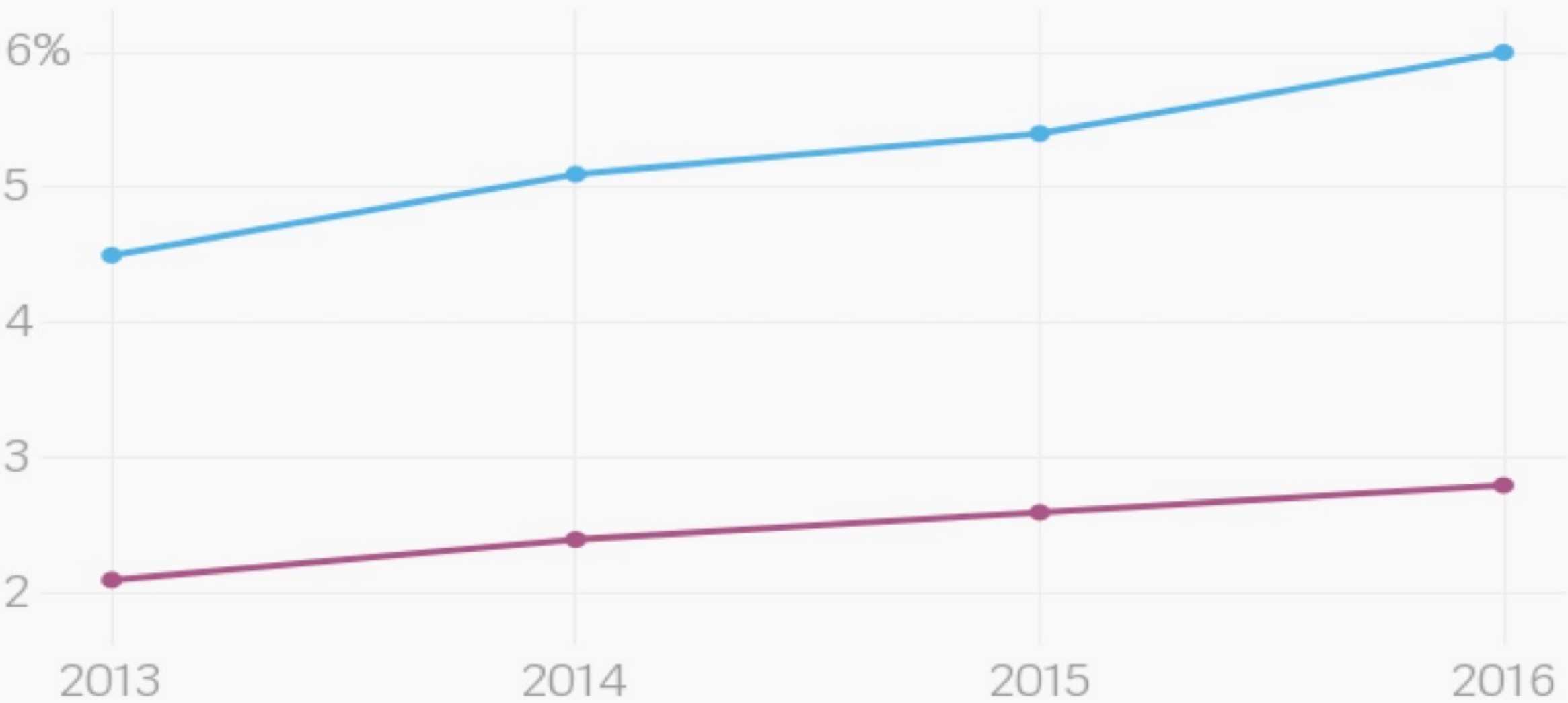
The percentage has declined through the years, with the decline accelerating after 2010.

8th-graders 10th-graders 12th-graders

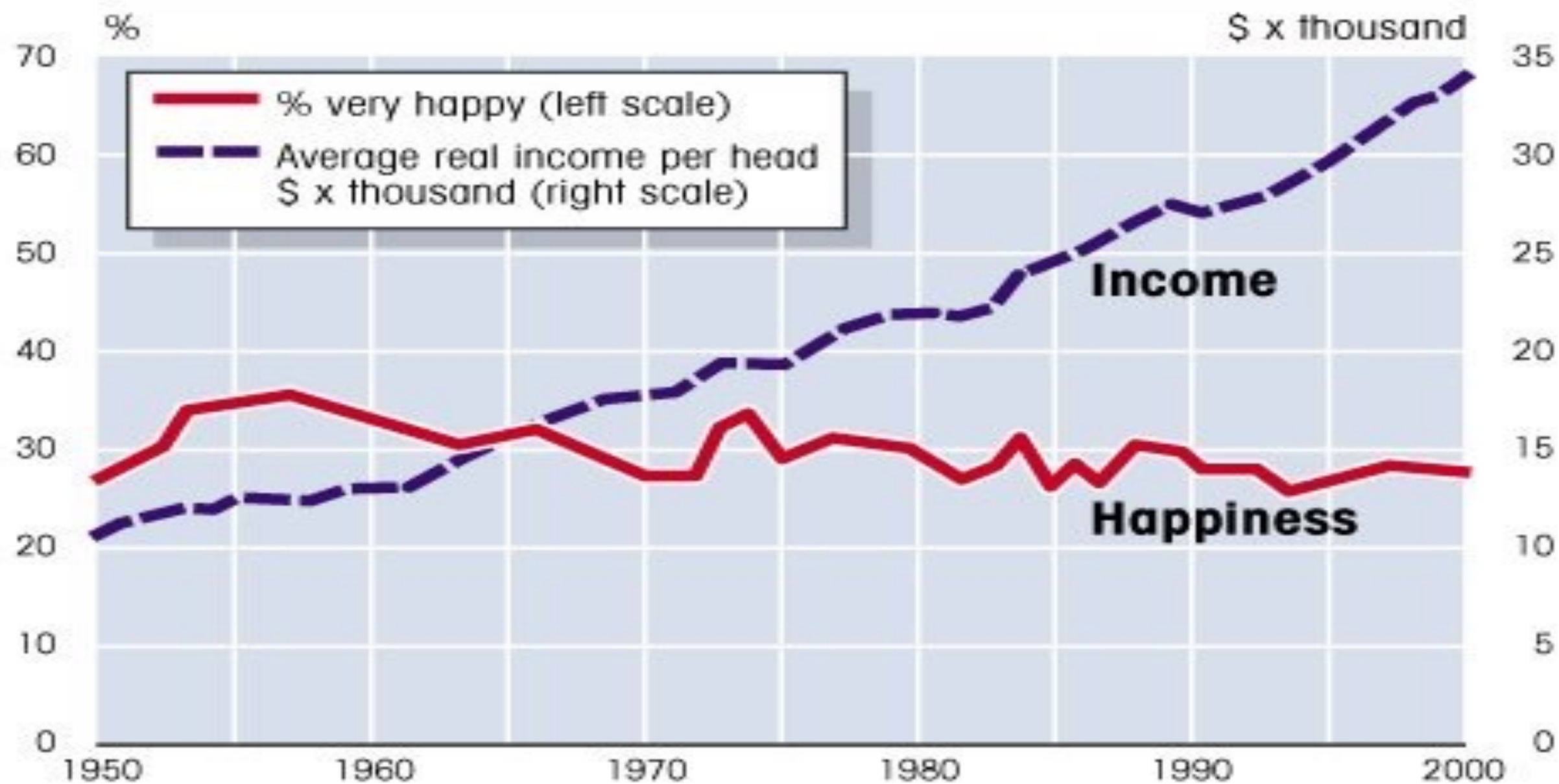


Rates of depression diagnoses in the US, by gender (all ages)

Men Women



Income and happiness in the US, 1950–2000

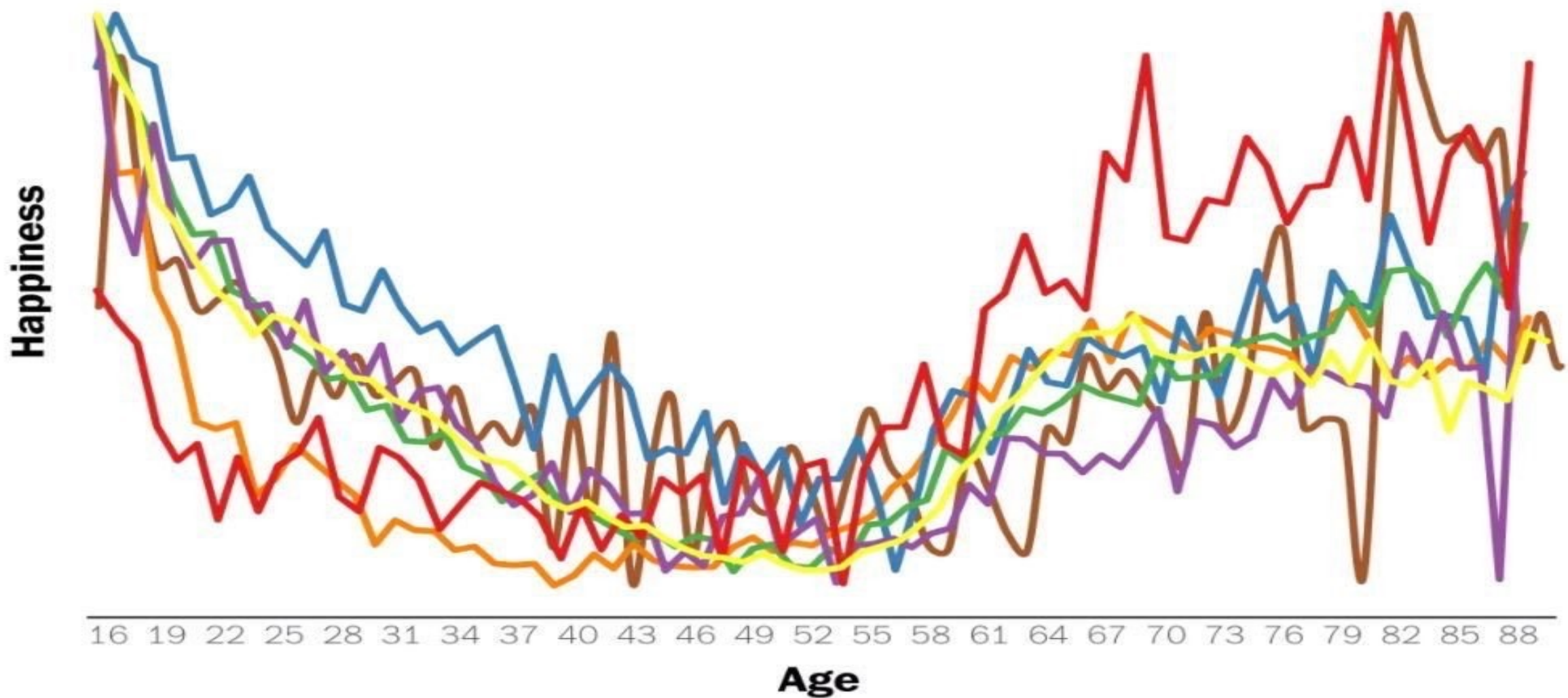


Source: UN Inclusive Wealth report 2012, from Layard 2005

The shape of happiness

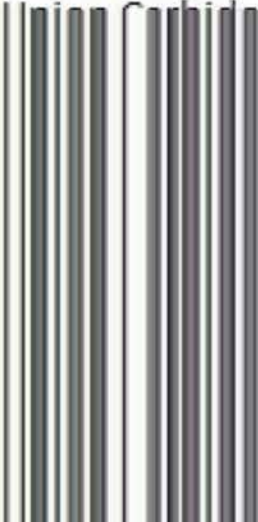




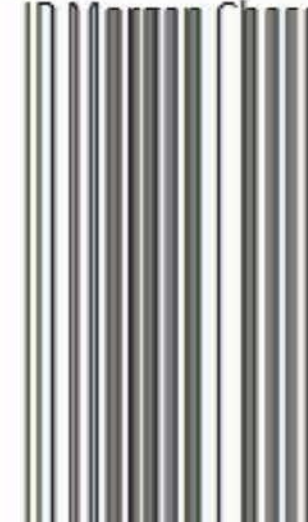

Relationship between happiness (or life satisfaction) and age across seven major surveys

Note: Trend lines are scaled to a common minimum and maximum range

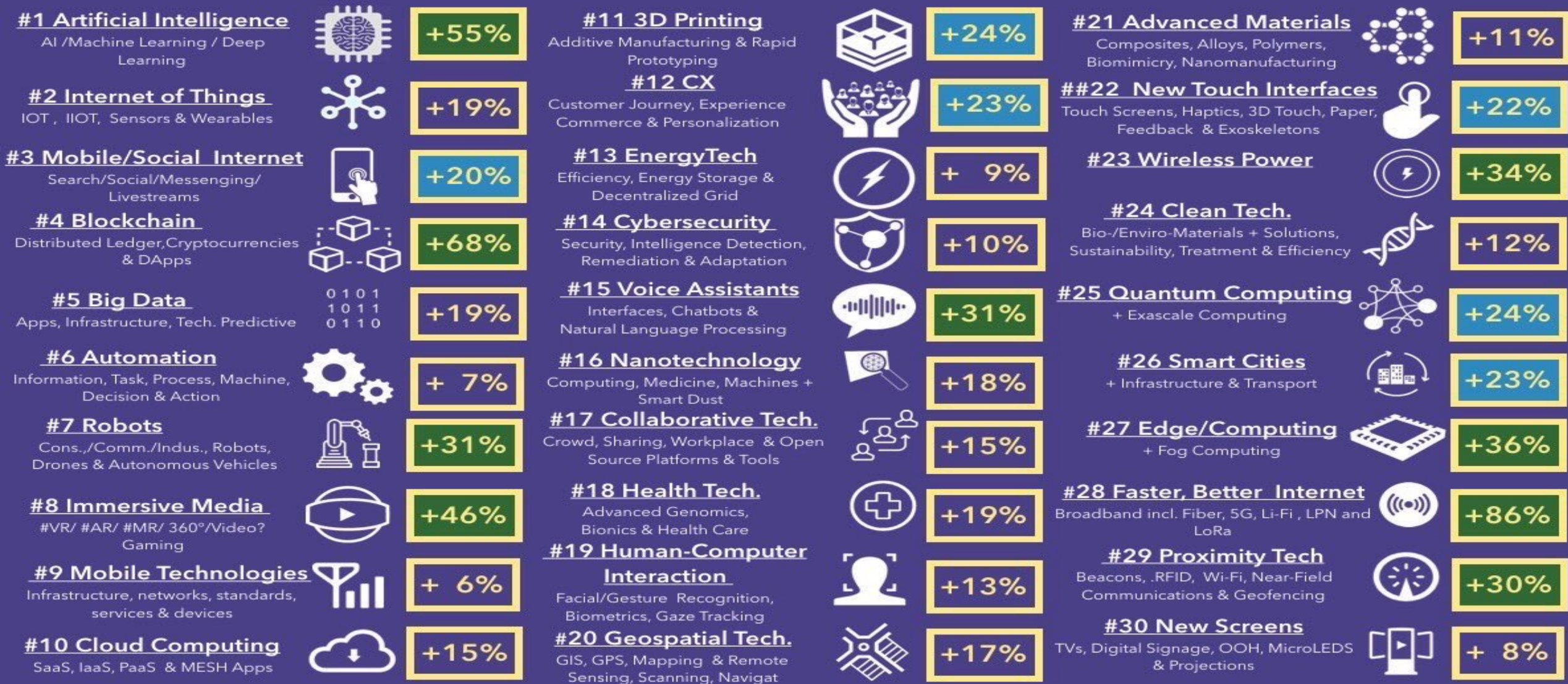


@CharlieBilello

Largest U.S. Companies by Market Cap (1960 - 2018)

Rank	1960	1970	1980	1990	2000	2010	2018
1	AT&T	IBM	IBM	Exxon	Microsoft	Exxon Mobil	Apple
2	General Motors	AT&T	AT&T	General Electric	General Electric	Microsoft	Amazon
3	Dupont	General Motors	Exxon	IBM	Cisco	Walmart	Alphabet
4	Exxon	Eastman Kodak	General Motors	AT&T	Walmart	Apple	Microsoft
5	General Electric	Exxon	Amoco	Philip Morris	Exxon Mobil	Johnson & Johnson	Facebook
6	IBM	Sears Roebuck	Mobil	Merck	Intel	Proctor & Gamble	Berkshire Hathaway
7	Texaco	Texaco	General Electric	Bristol-Myers	Lucent	IBM	JP Morgan Chase
							

FUTUREPROOFING : EMERGING 30 TECHNOLOGIES' ANNUAL GROWTH RATES



THE 30 TECHNOLOGIES OF THE NEXT DECADE

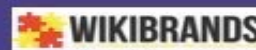


Segments
30+% Growth

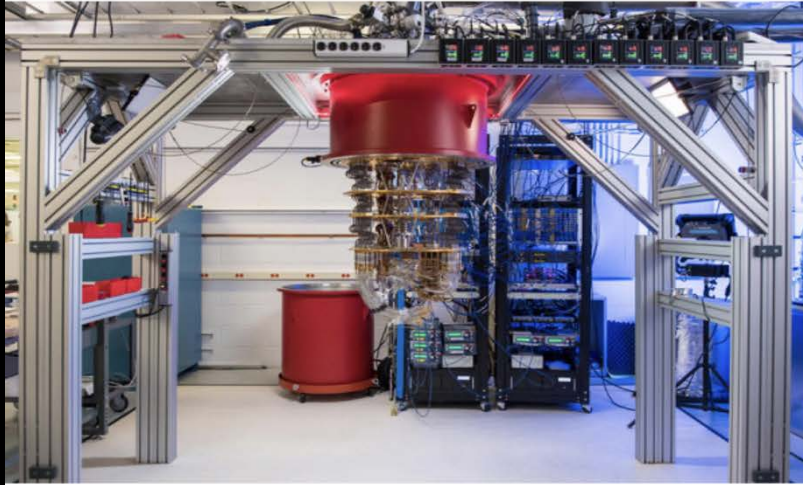


Segments
20+% Growth

Created by: Sean Moffitt @seanmoffitt
Managing Director @wikibrands



Google Claims a Quantum Breakthrough That Could Change Computing



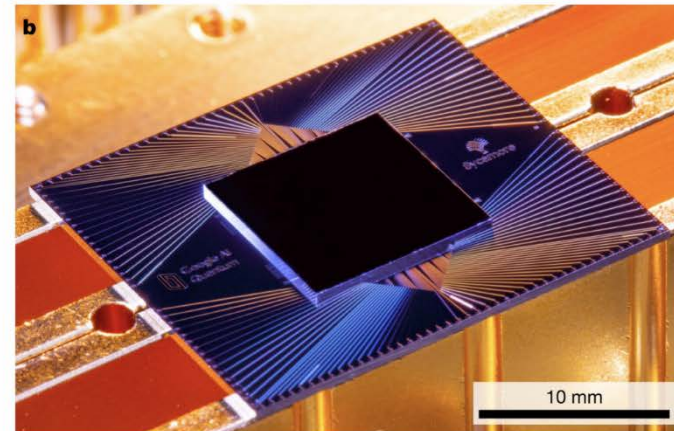
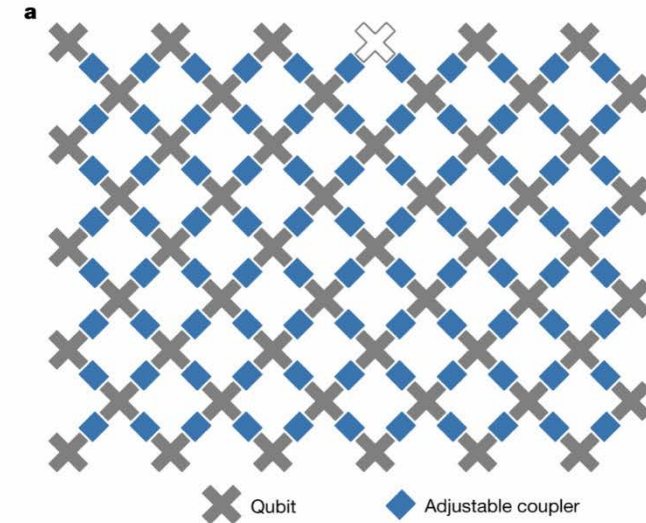
Google's quantum computer. The company said in a paper published on Wednesday that the machine needed only a few minutes to perform a task that would take a supercomputer at least 10,000 years.
Google

By Cade Metz

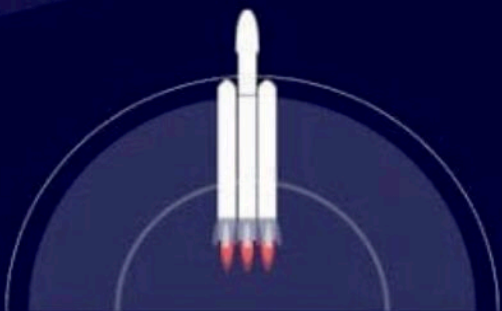
Oct. 23, 2019 Updated 5:10 a.m. ET

SAN FRANCISCO — Google said on Wednesday that it had achieved a long-sought breakthrough called “quantum supremacy,” which could allow new kinds of computers to do calculations at speeds that are inconceivable with today’s technology.

From: Quantum supremacy using a programmable superconducting processor



a, Layout of processor, showing a rectangular array of 54 qubits (grey), each



2018

Humans will fly into space by reusable rockets

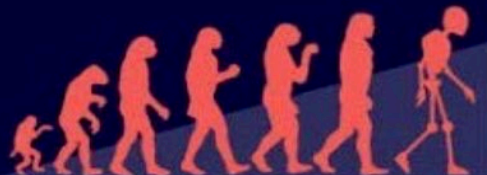
In 2015, Musk announced on The Late Show that his company SpaceX will soon launch reusable rockets, that can take off and land safely, into space.



2025

Tesla will be as valuable as Apple

Elon Musk made a bold claim in 2015 against the rulers of tech, Apple Inc. He stated that by 2025 his own motor company Tesla Inc. will beat Apple's record-breaking \$700 billion market cap.



2024

Artificial Intelligence (A.I.) will pose a real threat to the human race

In an interview with Edge.org in 2014, Musk said: "The risk of something seriously dangerous happening (as a result of A.I.) is in the five-year timeframe, 10 years at most". But, what does he mean by dangerous? Will robots really take over?



2025

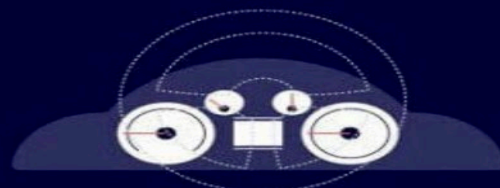
Humans will set foot on Mars

In only a handful of years, Musk has predicted that we will be able to send people to Mars for the first time, ever. Mars is 33.9 million miles away and he hopes to launch in 2024 with arrival in 2025.

2027

More than half of all new vehicles will be electric

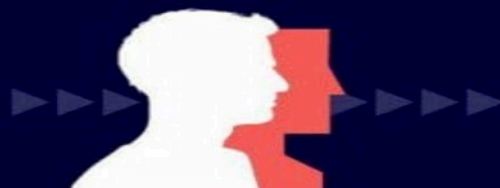
Within the next 10 years, the tech guru predicts that more than half of new US vehicles will be fully electric, and in the same timeframe, completely autonomous too. Musk believes that we've already solved technical hurdles needed to make self-driving cars a reality. The only thing standing in the way? Legislation.



2037

Cars will no longer have steering wheels in them

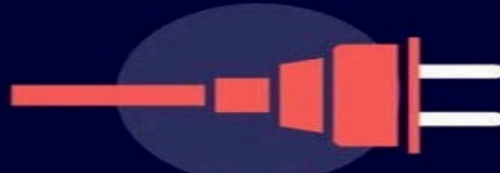
As Musk predicted the indefinite rise of autonomous vehicles, he also suggested that the need for a steering wheel will be eliminated as autonomous travel takes over and the physicalities needed to drive a vehicle are likewise eliminated.



2040

A.I. will completely surpass humans

Never one to dampen his fears about an A.I. dominated future, Musk claims that by 2040 A.I. will outperform humans in every task.



2033

Solar will become the main source of power

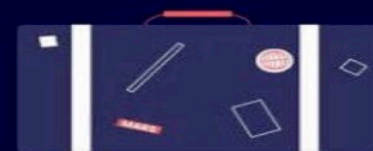
In 2013, and as chairman of SolarCity, Musk stated that solar would become the plurality of power within 20 years and will "beat everything hands-down, including natural gas" before making note that if we don't, we're in big trouble.



2040

We will colonise Mars with a city

Citing the short lifespan and successes of SpaceX, Musk stated that by the time his company has tripled he expects to have created a city on the Red Planet with thousands, or tens of thousands, of residents.



2060

A million people will live on Mars

He has set his sights forward with plans to transform the surface of Mars by populating it with a million-member-strong human settlement; sent over in a fleet of passenger ships provided by SpaceX.

Biyoteknoloji



Gıda ve Gastronomi

Scientists **grew** this
steak in a **lab**



Medya



Fitness



x1
MULTIPLIER

4
S. PEAK

31
SCORE
LEFT
STANCE

5:17
TIME

1.2
CALORIES



Sanat



Eğitim



Otonom Arabalar

Driverless cars will be in use
everywhere within 6 years

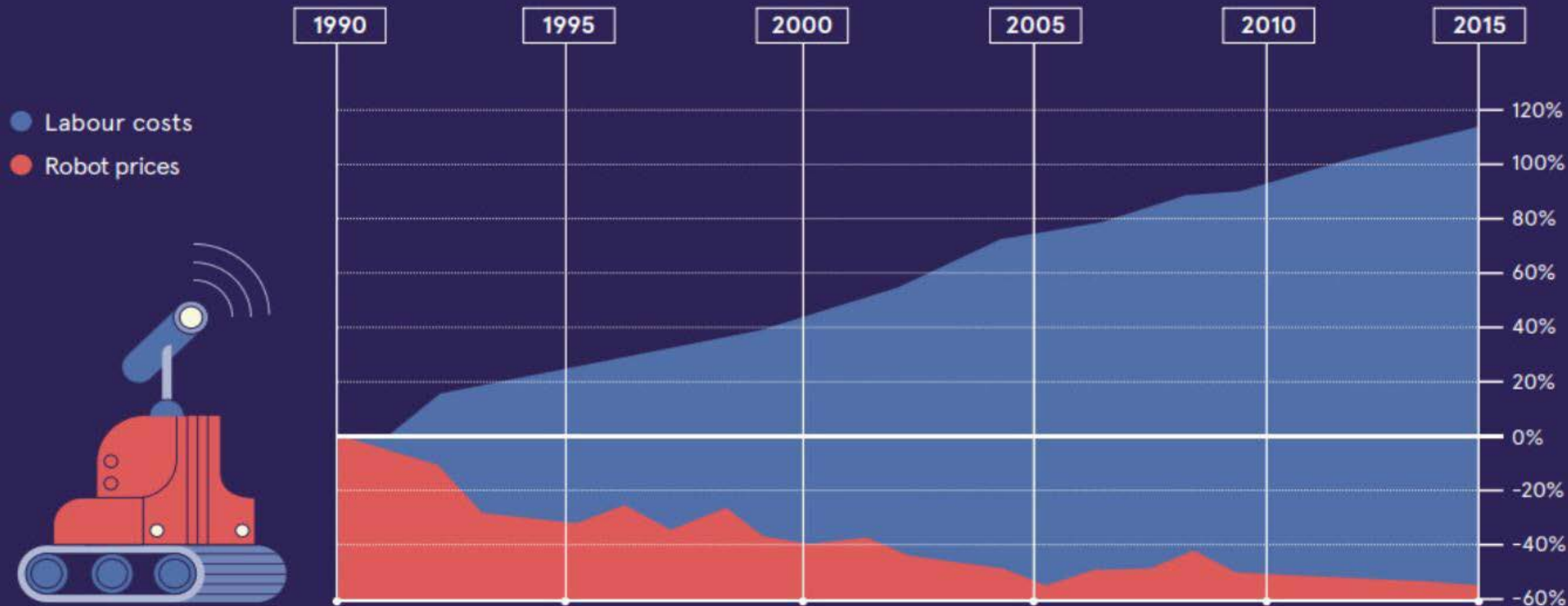
Carlos Ghosn, CEO of the Renault Nissan Alliance

Robotlar

04

DECLINING ROBOT PRICES COULD ENCOURAGE MORE INVESTMENT AS LABOUR COSTS CREEP HIGHER

Example shown is for average robot prices and labour compensation in US manufacturing (1990 = 0%)



There are **more robots** in
the US **workforce** than
ever before

Source: Reuters

3 Boyutlu Baskı



Yaşlanan Nüfus ve çözümler

HEALTH
INNOVATION
ISSUE

WHO GETS TO BE HEALTHY

by Francis S. Collins • Raj Panjabi
Jennifer Doudna • Bernard J. Tyson

WHAT WOMEN NEED
by Angelina Jolie

THE ROBOT WILL SEE YOU NOW

by Corinne Purtill

SOLVING SUICIDE
by Mandy Oaklander

A HISTORIC
FACE TRANSPLANT
by Jamie Ducharme

ELECTRIFYING
MEDICINE
by Alice Park



**Loneliness is as toxic as
smoking 15 cigarettes
a day**

Source: UK Government

5G Teknolojisi

5G could get expert surgery to everyone on the planet

Footage: 5G Barcelona, YouTube

Bütünleşik Sağlık

Yapay Zeka



WORLD
ECONOMIC
FORUM

This is when **AI** will **replace humans** at creative tasks

Source: World Economic Forum
Creative Disruption white paper
(In collaboration with McKinsey & Company)

Değişen Dünya ve İnsan



**These 10 tech innovations
have changed the world
we live in**

İnsan ve Teknoloji



Teşekkürler



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