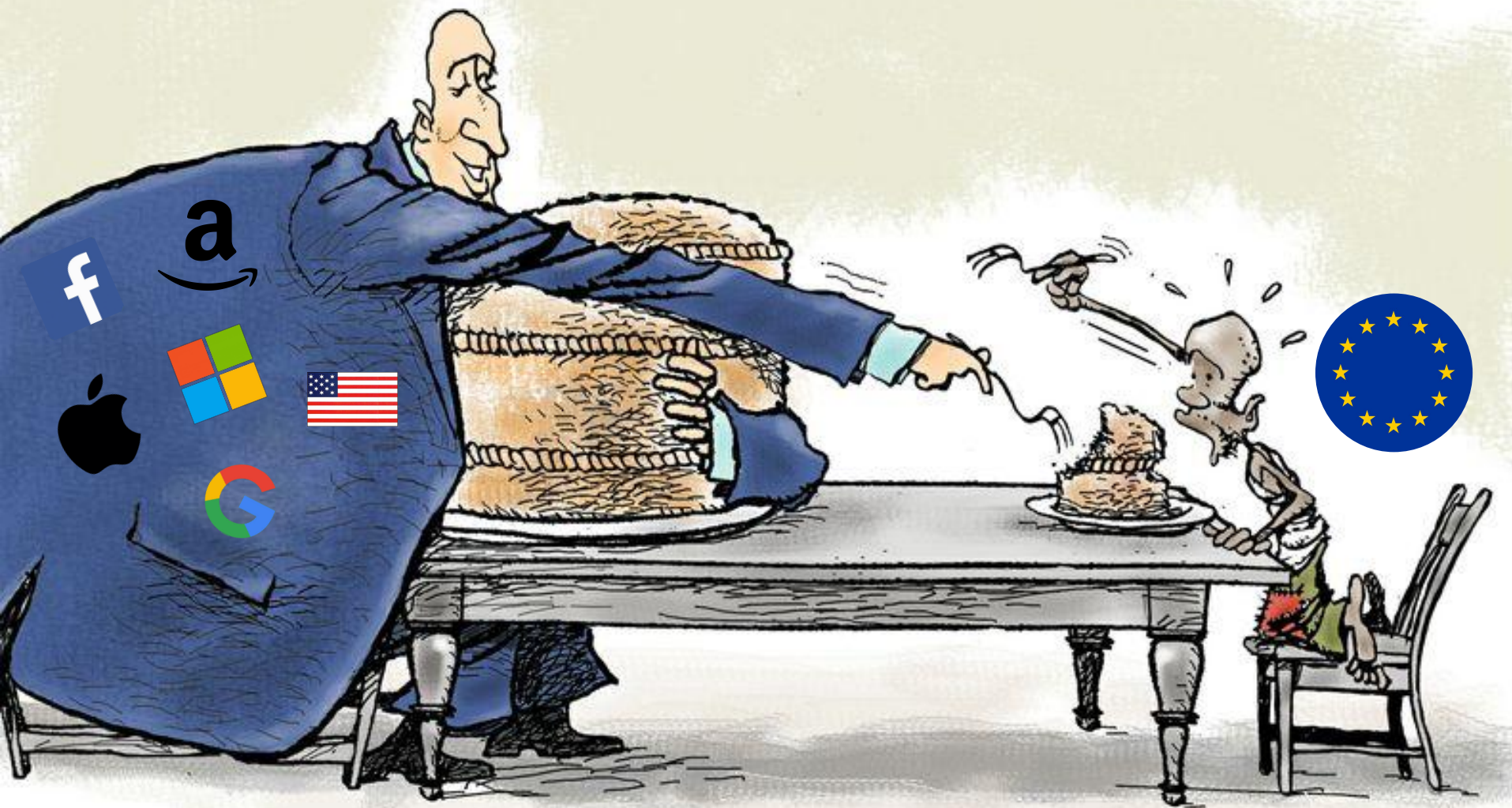


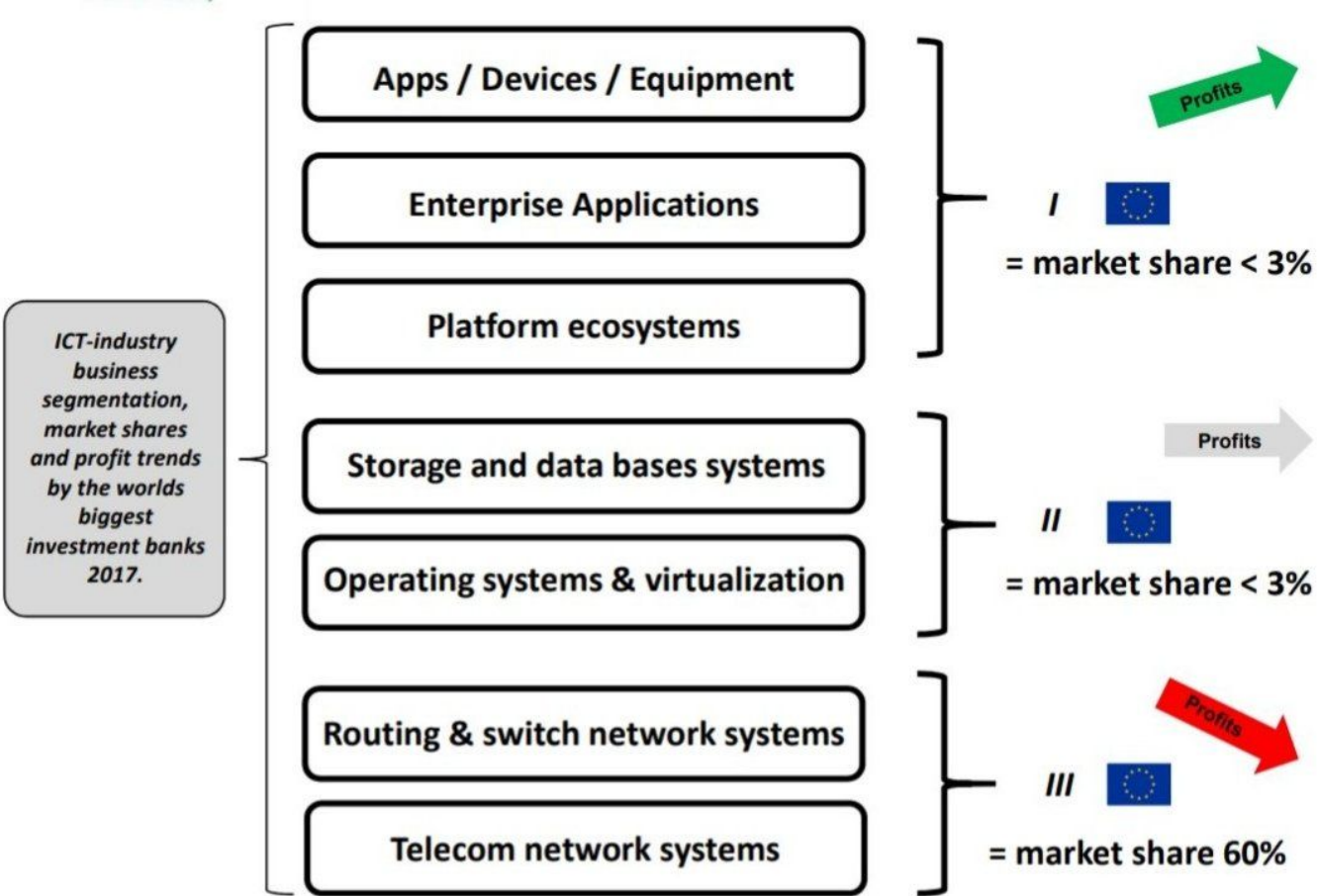


# OPEN DATA

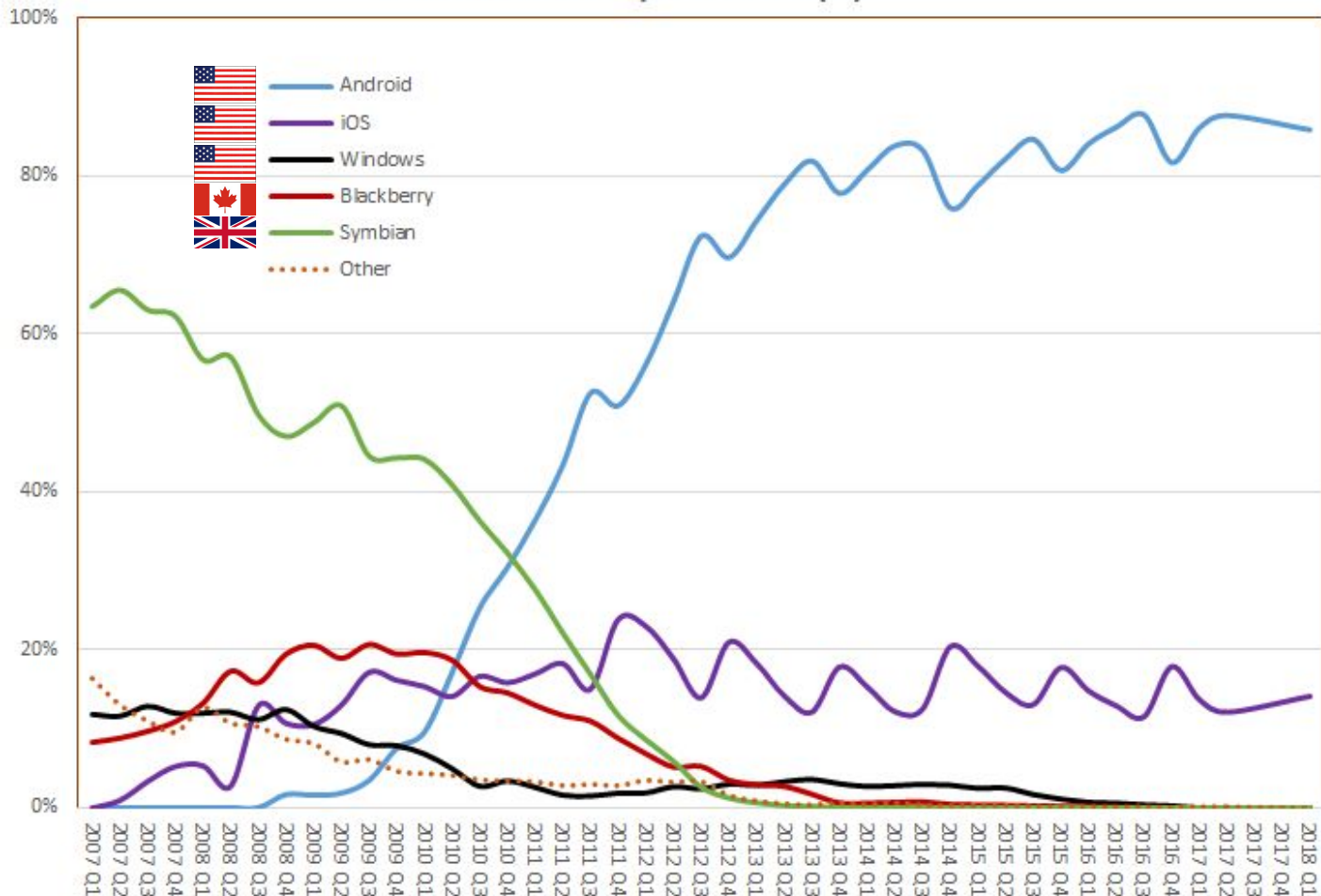
**European answer to the competition on AI supremacy.**

© 2020 Mikko Alasaarela

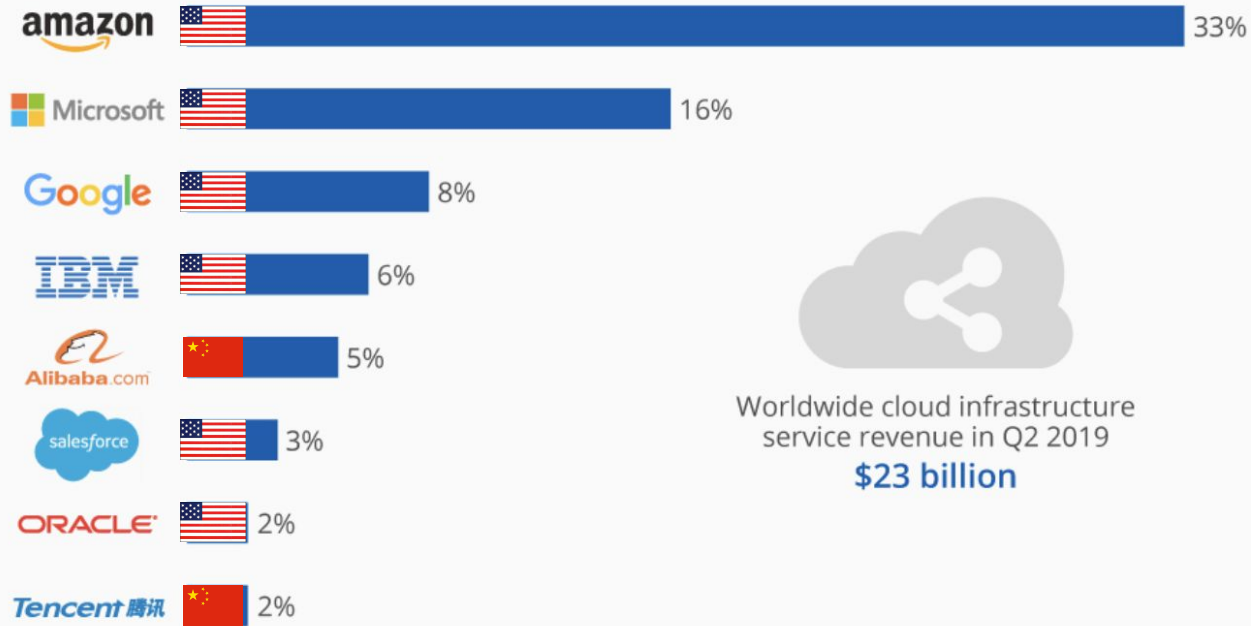




### World-Wide Smartphone Sales (%)



## Worldwide market share of leading cloud infrastructure service providers in Q2 2019\*



Worldwide cloud infrastructure  
service revenue in Q2 2019  
**\$23 billion**



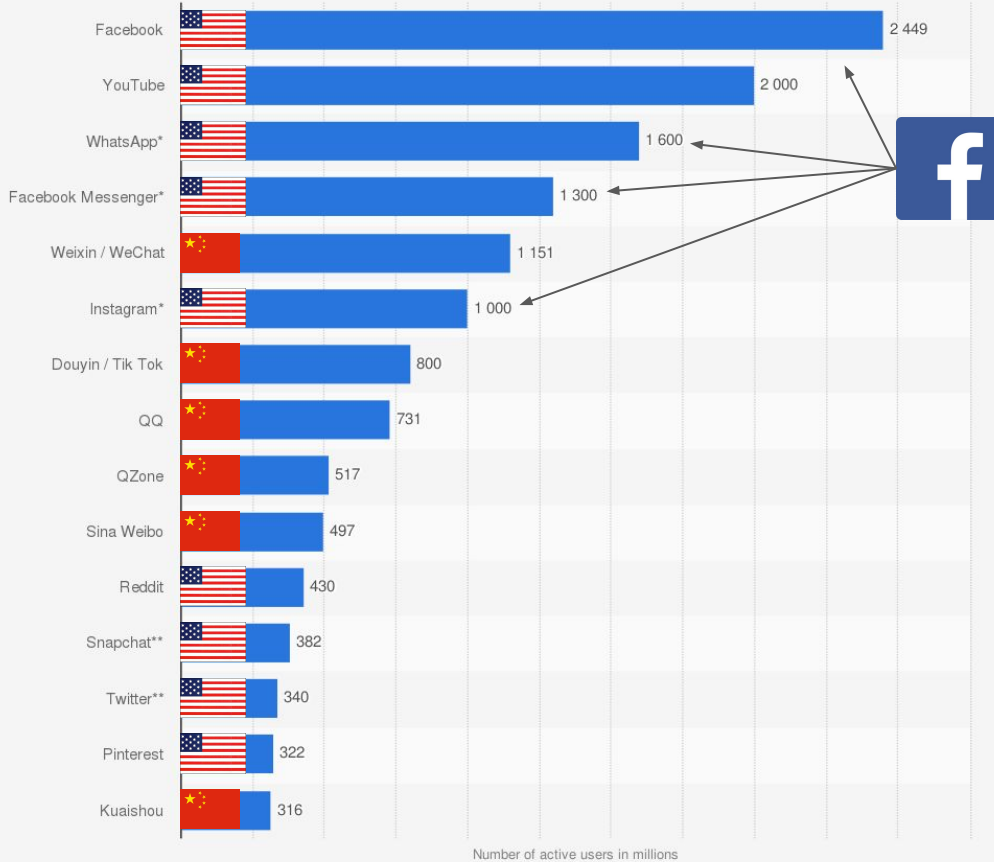
@StatistaCharts

\* includes platform as a service (PaaS) and infrastructure as a service (IaaS)  
as well as hosted private cloud services

Source: Synergy Research Group

statista

## Most popular social networks worldwide as of January 2020, ranked by number of active users (in millions)



Nearly all dynamic data generated in Europe flows to the USA.

Do we have any alternatives?

**China.**

### Sources

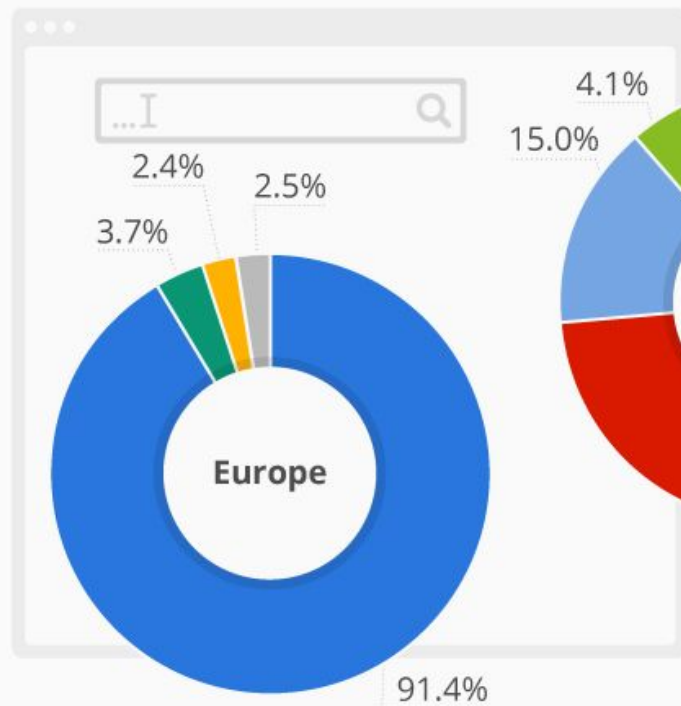
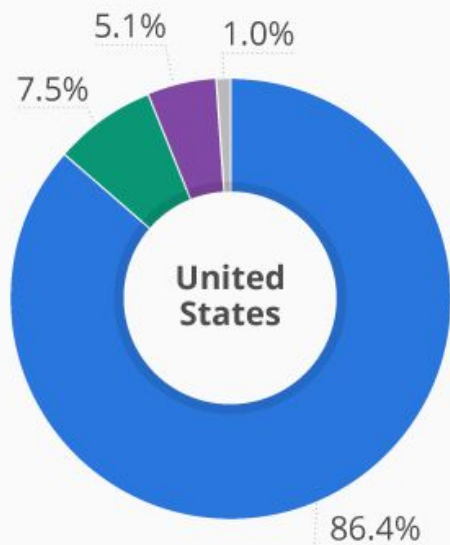
We Are Social; Various sources (Company data); Hootsuite; DataReportal  
© Statista 2020

### Additional Information:

Worldwide; Various sources (Company data); DataReportal; as of January 25, 2020; social networks and messenger/chat

# Search engine market share in the United States, Europe and China in July 2018\*

● Google ● Bing ● Yahoo! ● Yandex ● Baidu ● Shenma ● Haosu ● Others

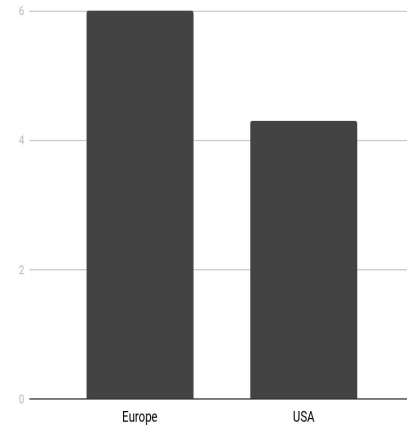


**BUT...**

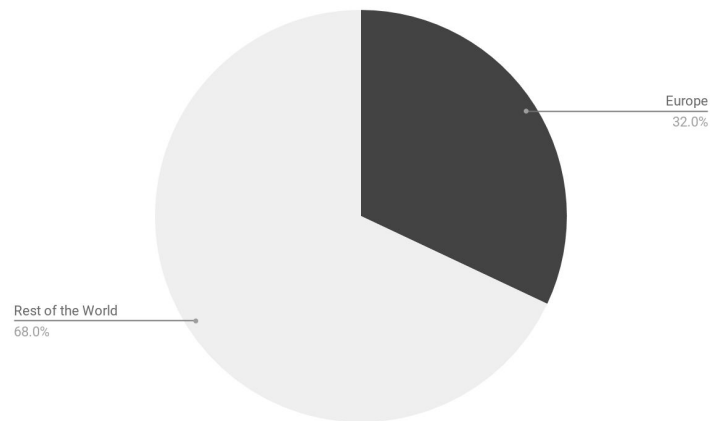


# **EUROPE IS #1 IN AI RESEARCH.**

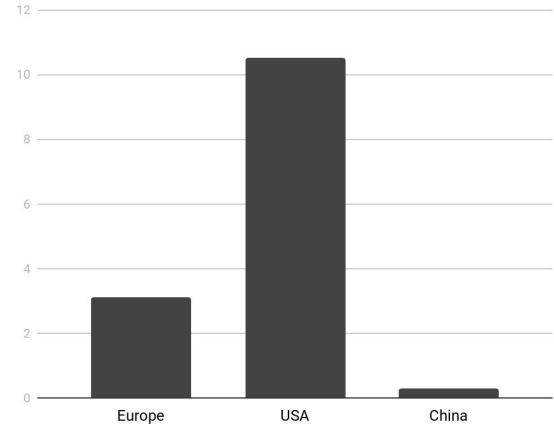
**Europe has over 6 million professional developers vs 4.3 million in the US.**



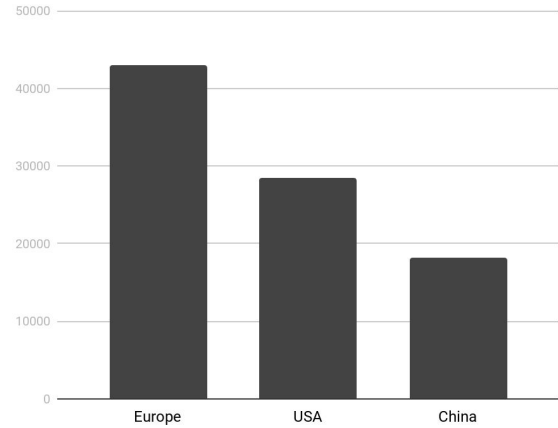
**Europe accounts for 32% of all published AI papers and was the largest publisher for last 20 years.**



**Europe has 3.1 AI companies per million workers vs 10.5 in the US and 0.3 in China.**



**Europe has 50% more AI researchers than the US and 2x more than China.**



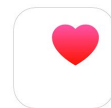
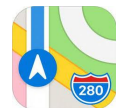
**Not surprisingly,  
Europe loses to the  
US and China in data  
collection.**

			Metrics			Scores		
Year	Metric	Weight	CN	EU	US	CN	EU	US
2018	Number of Fixed Broadband Subscriptions per 100 People	4	28.0	34.5	33.9	1.2	1.4	1.4
2018	Population Using Mobile Payments	3	45.2%	10.2%	20.2%	1.8	0.4	0.8
2018	Internet of Things Data (TB) per 100 Workers	3	19.3	21.5	41.9	0.7	0.8	1.5
2018	Productivity Data (TB, Millions) per 100 Workers	4	86.9	233.9	585.9	0.4	1.0	2.6
2019	Electronic Health Records (Rank)	2	3	2	1	0.3	0.7	1.0
2019	Mapping (Rank)	2	3	2	1	0.3	0.7	1.0
2019	Genetic (Rank)	2	2	3	1	0.7	0.3	1.0
2019	Regulatory Barriers (Rank)	5	1	3	2	2.5	0.8	1.7
<b>Total Scores</b>		<b>25</b>				<b>7.9</b>	<b>6.2</b>	<b>11.0</b>

**OPEN DATA IS  
EUROPE'S  
BEST CHANCE.**



iOS



Apple Pay



Google Pay



OS

Browser

Mail

Search

Location

Health

Payment

Comms





OS

Browser

Mail

Search

Location

Health

Payment

Comms



The idea of the **MyData** movement is to give you the control of your own data. EU's GDPR gives you the right to download all of your data from any online service.



**Open Identity** enables sharing and permissioning of data across apps and service providers without creating a monopoly for an identity provider.



**Open data** will become reality, when everyone has an equal chance to participate a data ecosystem and receive data with the same terms as others.