We work with Innovate UK

Agrimetrics

THE CATALYST FOR CHANGE

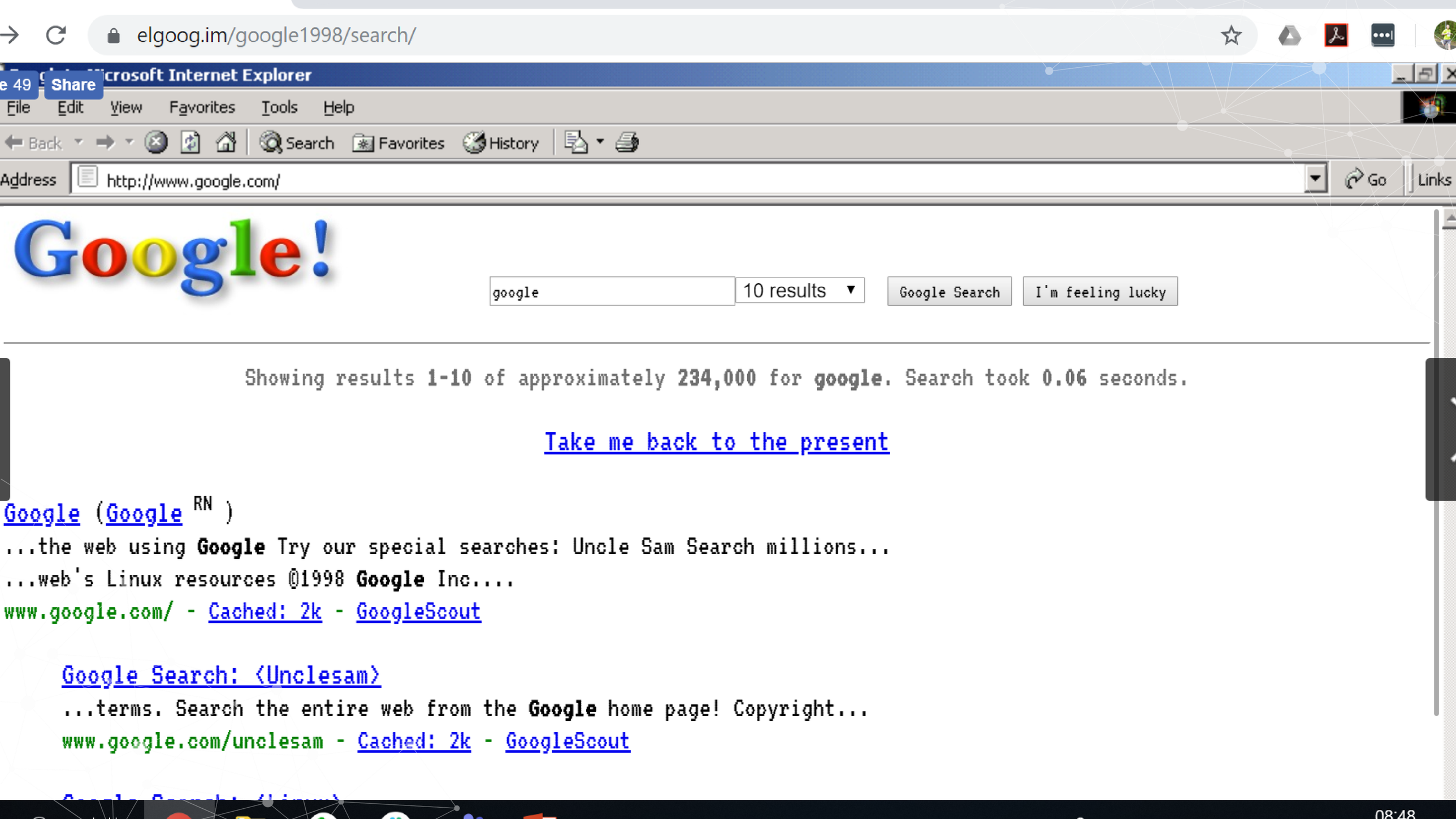
UNLOCKING SOLUTIONS THROUGH BIG DATA

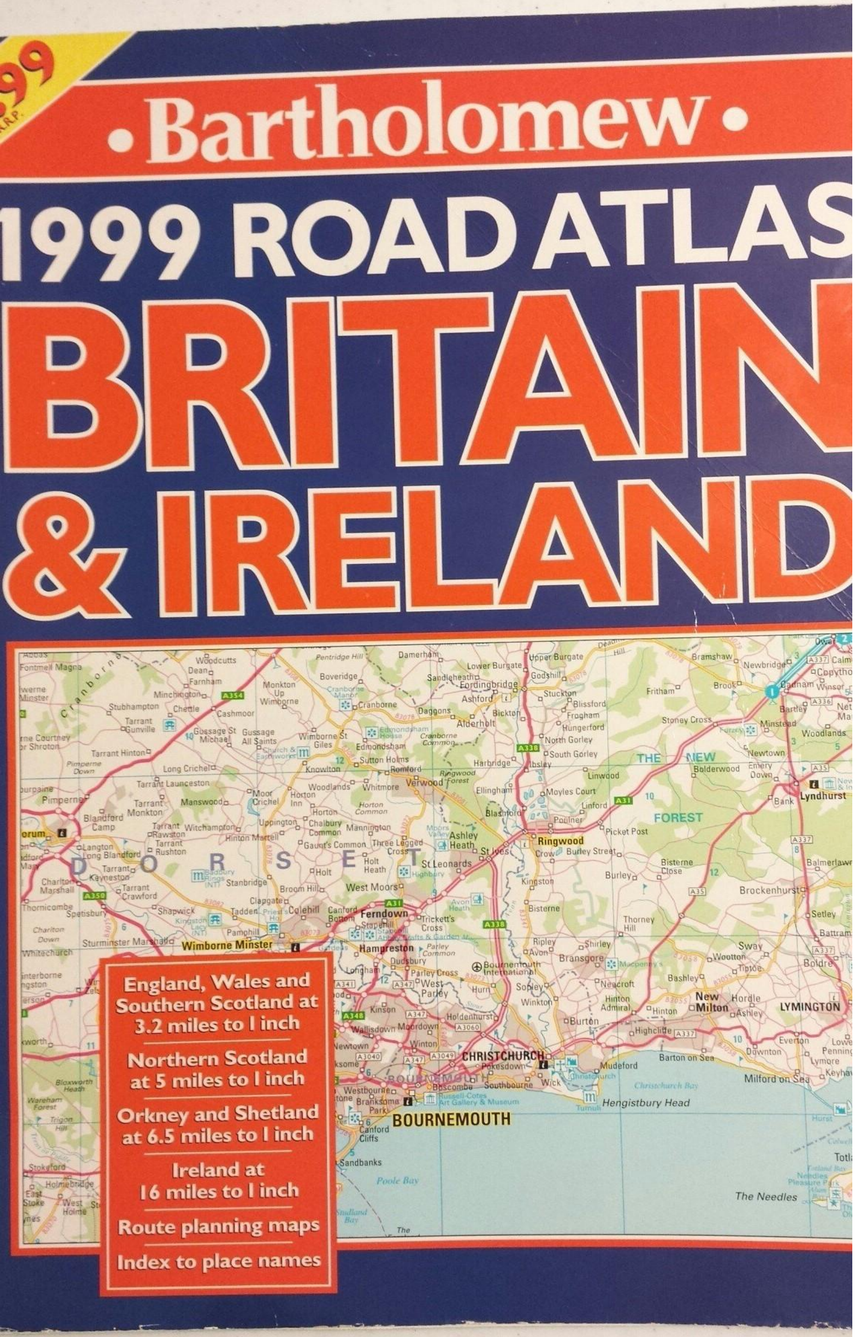
Institution of Agricultural Engineers

30 October 2019

Benjamin Turner, Chief Operating Officer

Unrestricted


elgoog.im/google1998/search/
e 49
Share
crosoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://www.google.com/
Go Links
Google!
google
10 results
Google Search
I'm feeling lucky
Showing results 1-10 of approximately 234,000 for google. Search took 0.06 seconds.
Take me back to the present
Google (Google RN)
...the web using Google Try our special searches: Uncle Sam Search millions...
...web's Linux resources @1998 Google Inc....
www.google.com/ - Cached: 2k - GoogleScout
Google Search: <Unclesam>
...terms. Search the entire web from the Google home page! Copyright...
www.google.com/unclesam - Cached: 2k - GoogleScout



99
• Bartholomew •
1999 ROAD ATLAS
BRITAIN
& IRELAND
England, Wales and Southern Scotland at 3.2 miles to 1 inch
Northern Scotland at 5 miles to 1 inch
Orkney and Shetland at 6.5 miles to 1 inch
Ireland at 16 miles to 1 inch
Route planning maps
Index to place names

Dysan
MF 2HD
DOS FORMATTED
Dysan
Diskettes
3.5" · MF 2HD

Connect USBT3E3
User name:
gl
Password:
Save this user name and password for the
Me only
Anyone who uses this computer
Dial:
123456
Dial
Cancel
Properties

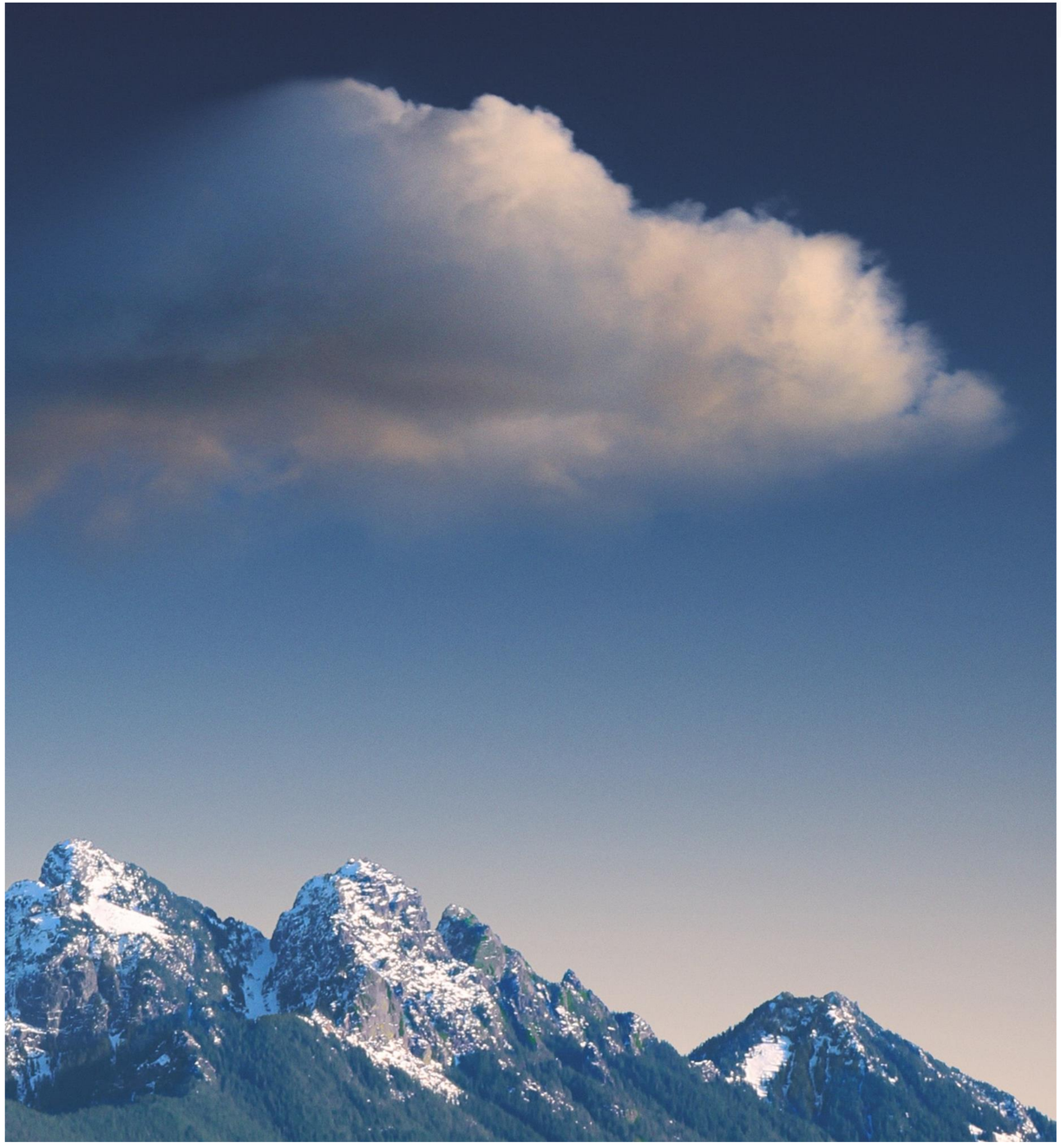
AT&T LTE
4:28 PM
96%
'50s
GENRE RADIO
FOLLOW
PLAY RADIO
In This Station
The Yardbirds, The Flamingos, Les Paul, Chuck Berry, Carl Perkins, and more.
Songs
My Babe - Single Version
Little Walter • Blues Greats: Little Walter
Heavy Rain • Nature Sounds
Devices Available
Home
Browse
Search
Radio
Your Library

08:27
FRI 28

“Most people
overestimate what they can do
in one year
and
underestimate what they can do
in ten” (Bill Gates)

Phone
Navigation
Music Player
Settings

Self-Driving



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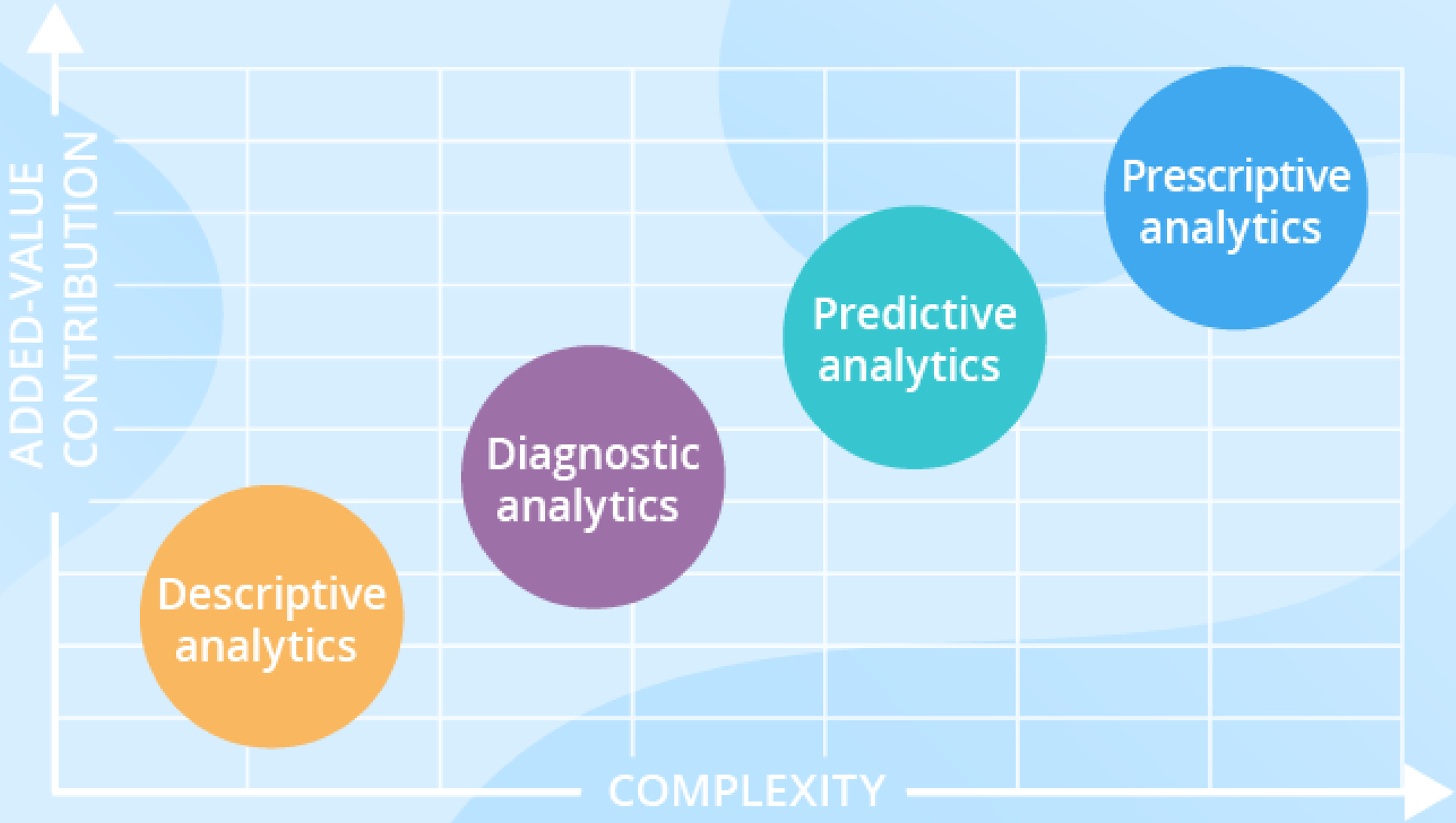

ADDED-VALUE CONTRIBUTION
Descriptive analytics
Diagnostic analytics
Predictive analytics
Prescriptive analytics
COMPLEXITY

INDUSTRY 1.0

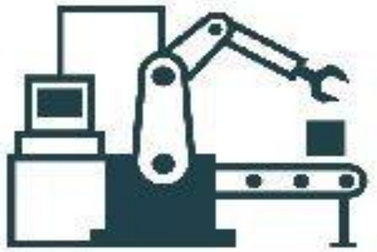
Mechanization, steam power, weaving loom

1784

INDUSTRY 2.0

Mass production, assembly line, electrical energy

1870



INDUSTRY 3.0

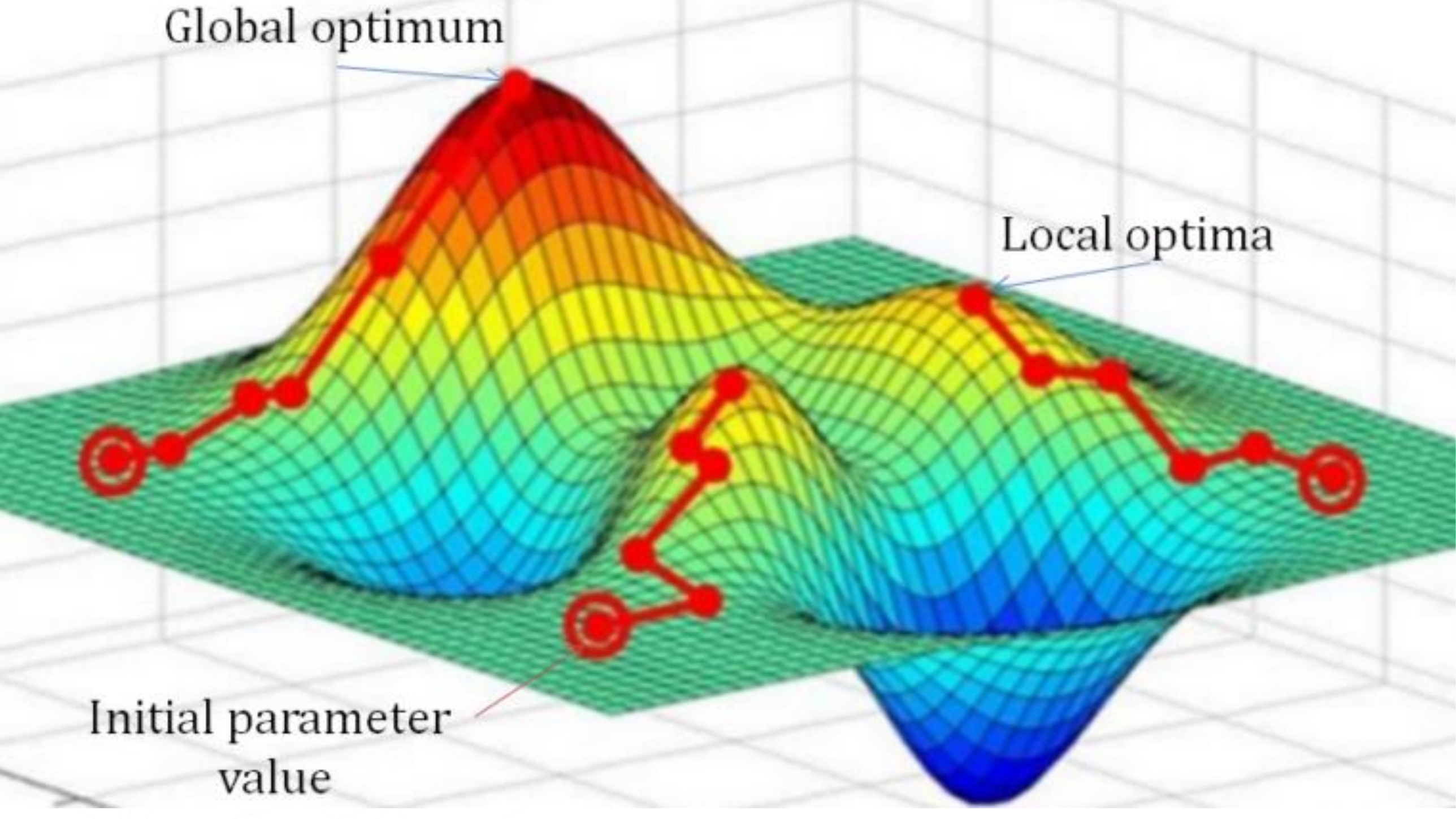
Automation, computers and electronics

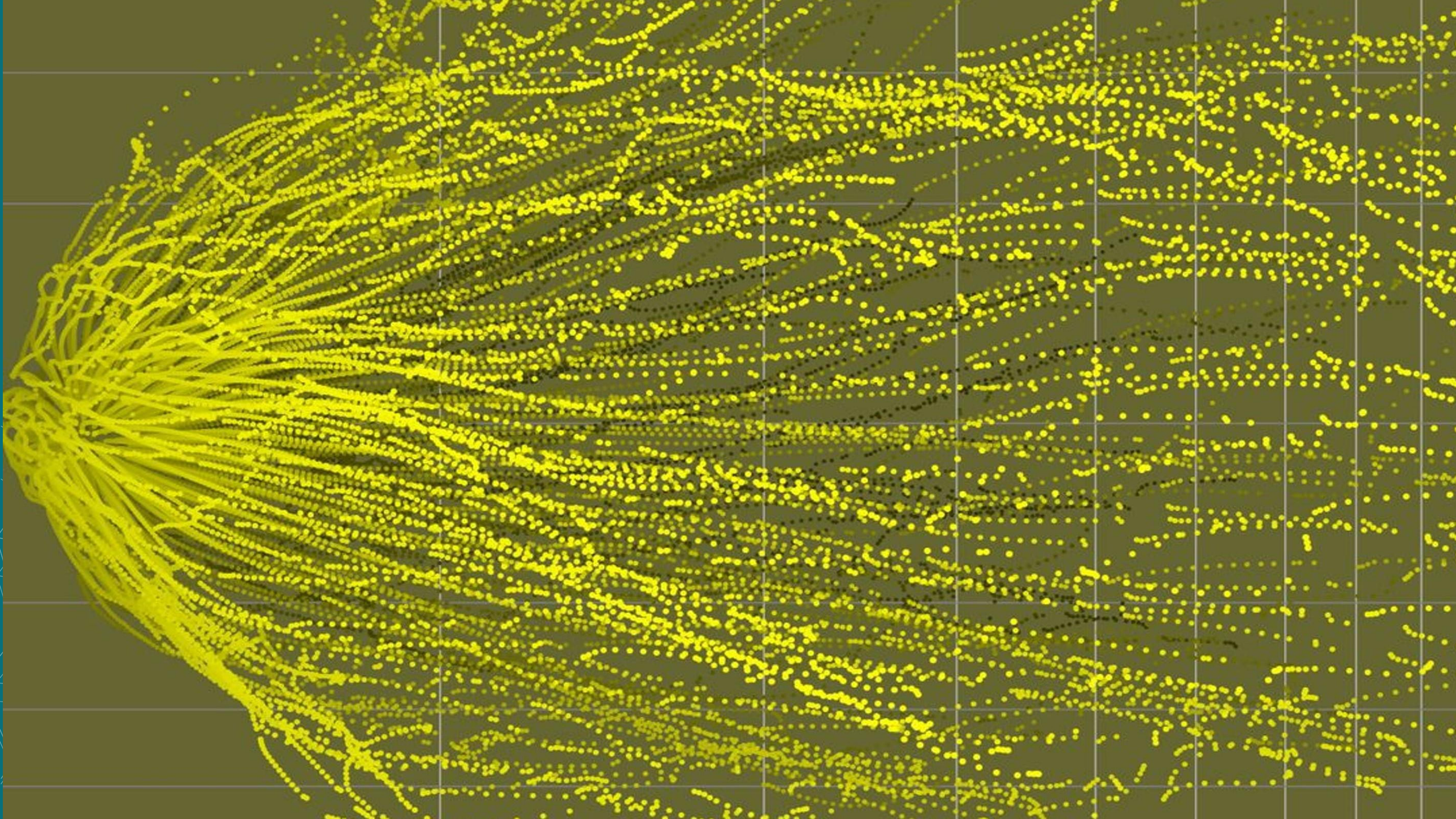
1969

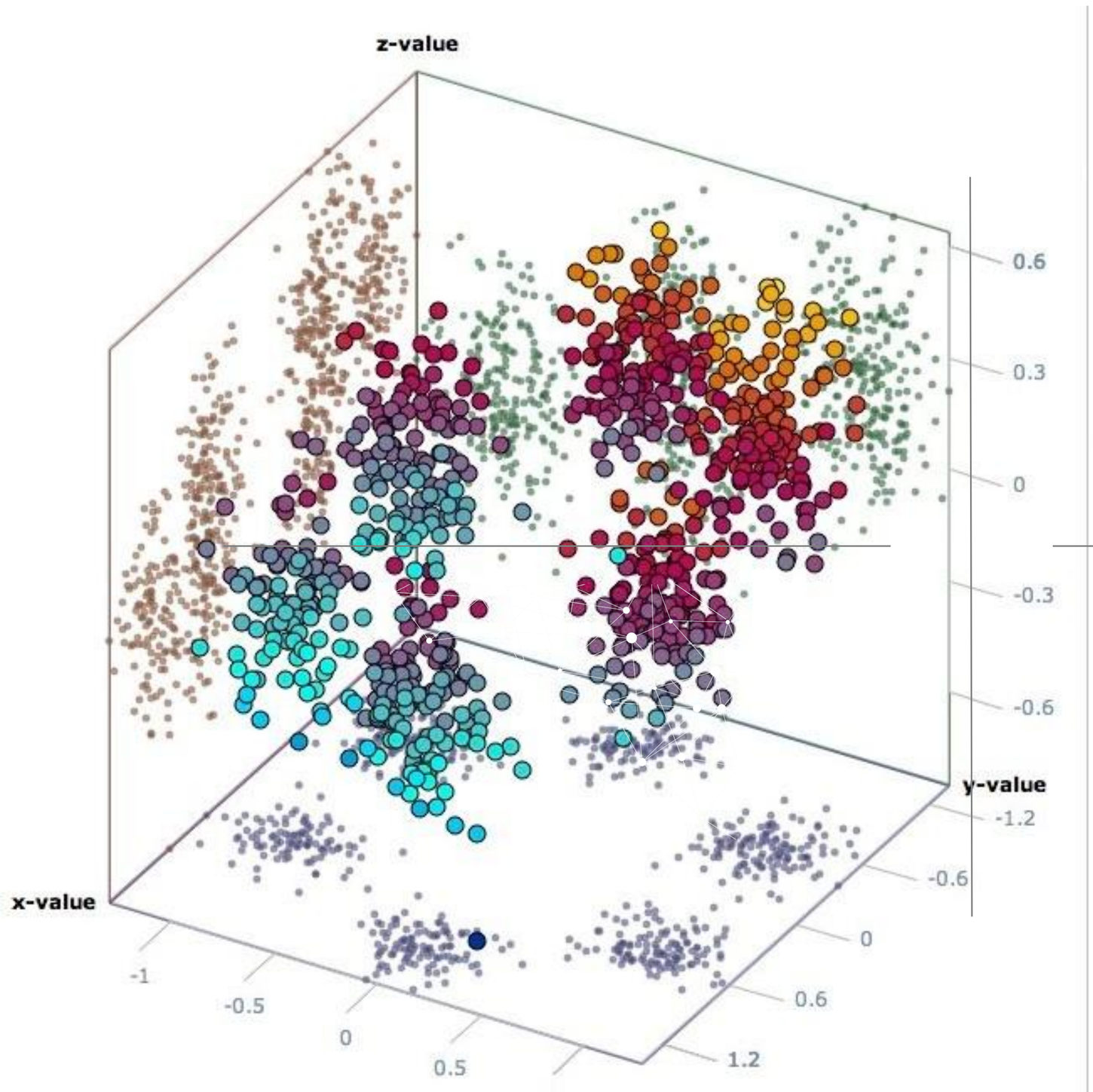
INDUSTRY 4.0

Cyber Physical Systems, internet of things, networks

TODAY


Global optimum
Local optima
Initial parameter value





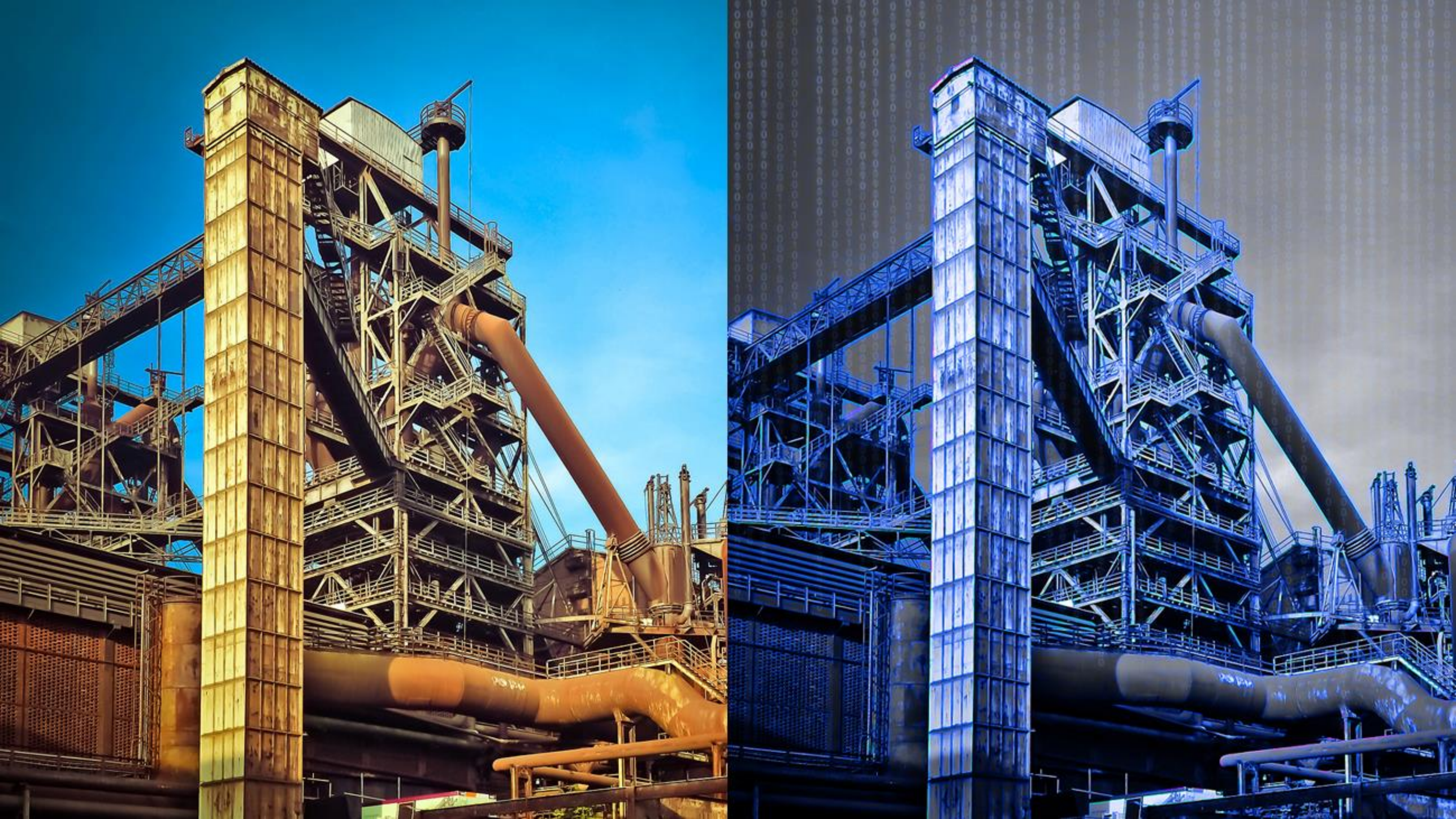
-0.839
-0.779
-0.72
-0.66
-0.6
-0.541
-0.481
-0.421
-0.361
-0.302
-0.242
-0.182
-0.122
-0.0627
-0.00299
0.0567
0.116
0.176
0.236
0.296
0.355
0.415
0.475
0.535
0.594
0.654

rotate x			
rotate y			
rotate z			
angles	120	180	60
planes	0	0	0
cut plane YZ			
cut plane XZ			
cut plane XY			
z drop lines	FALSCH		
zoom			
shift x			
shift y			
to-scale axes	FALSCH		

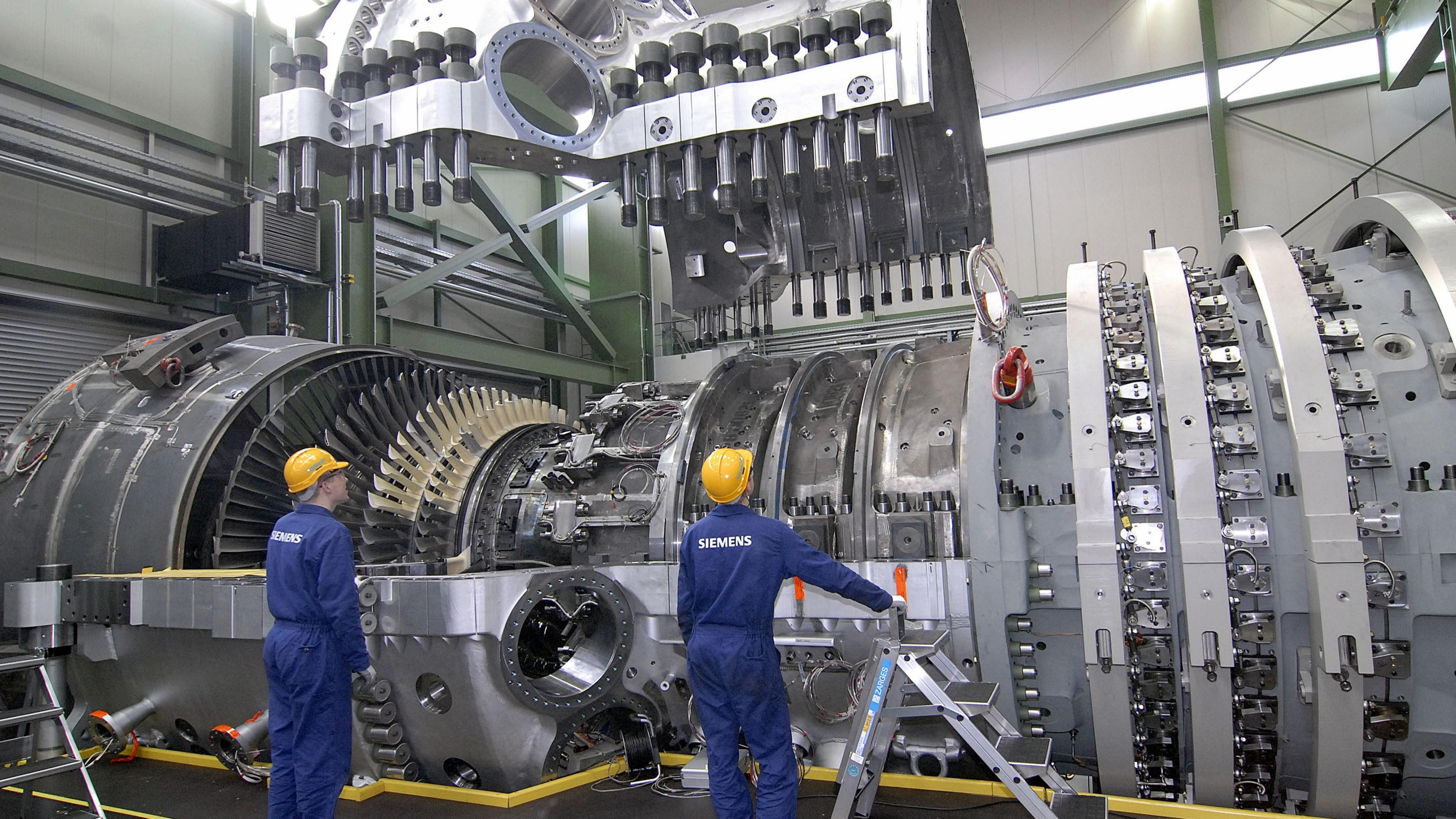
reset view

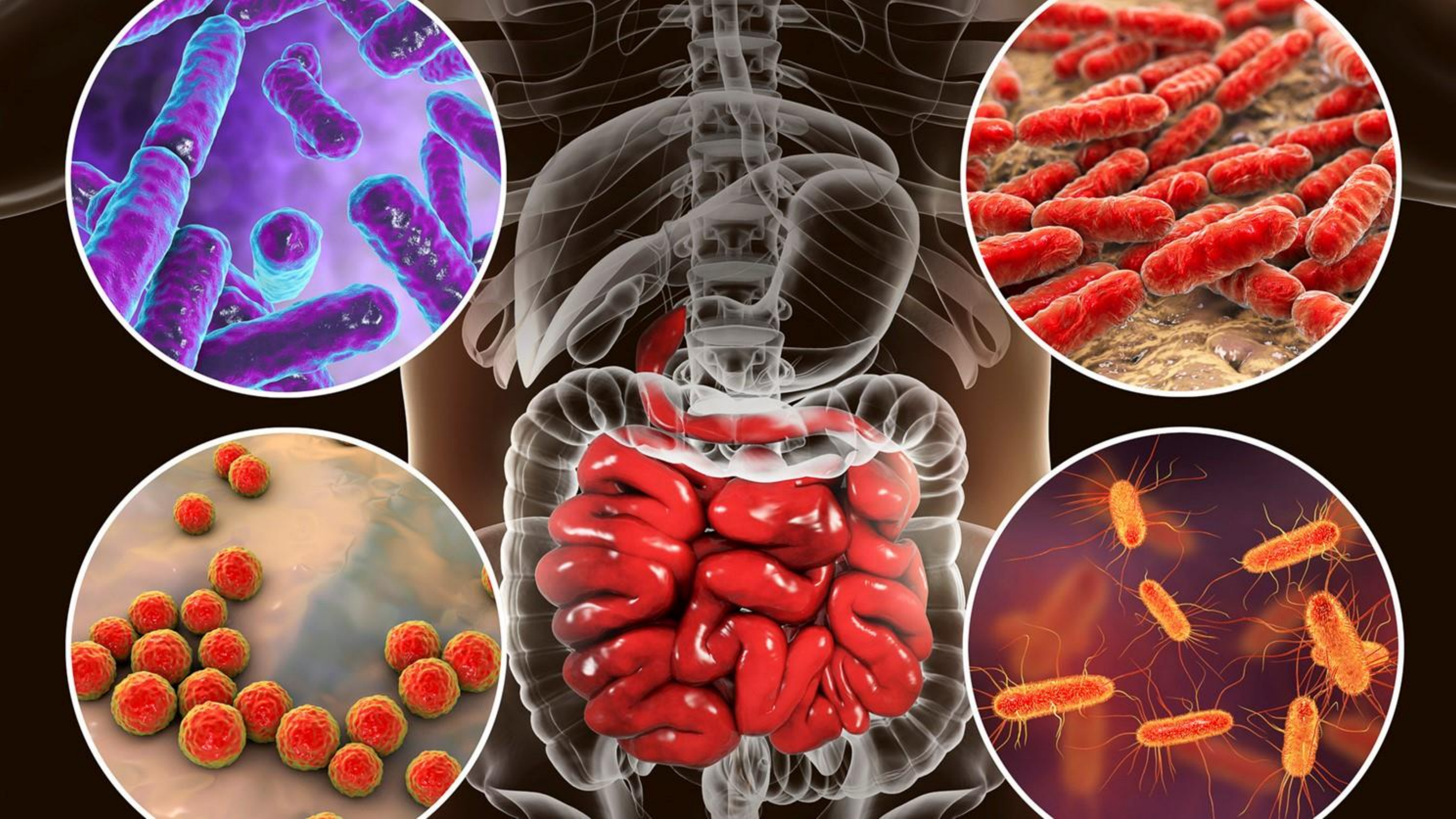
zoom	shift x	shift y
0	50	50
1	0	0

labels	x-value	y-value	z-value	4th dimensior
	-0.5768972	0.87767746	0.63907806	
	-0.4021268	1.01206349	0.63245194	
	-0.6765584	0.78415401	0.59667069	
	-0.5825648	0.82212021	0.58569341	
	-0.6595329	1.0072249	0.57267597	
	-0.7163945	1.15783584	0.56703048	
	-0.9747435	0.09988608	0.55367591	
	-0.3735752	0.70264297	0.54904804	
	-0.7555001	0.7564527	0.54860436	
	-0.6174115	1.00992775	0.52066225	
	-0.774502	0.97559273	0.50560178	
	-0.4315748	0.68760276	0.50397693	
	-0.1161121	0.53808954	0.50394126	
	-0.5839705	0.65745609	0.5038978	
	-0.616833	1.13474787	0.50355943	
	-0.5464374	0.96725437	0.48579548	
	-0.6406668	-0.0605267	0.48559559	
	-0.4430622	0.66743246	0.48355774	
	-0.6919743	0.79939283	0.47967652	
	-0.9038901	-0.0817195	0.479361	
	-0.9007266	0.74338394	0.47133236	
	-0.9620156	-0.1401569	0.45371357	
	-0.4191751	0.78860775	0.45075498	

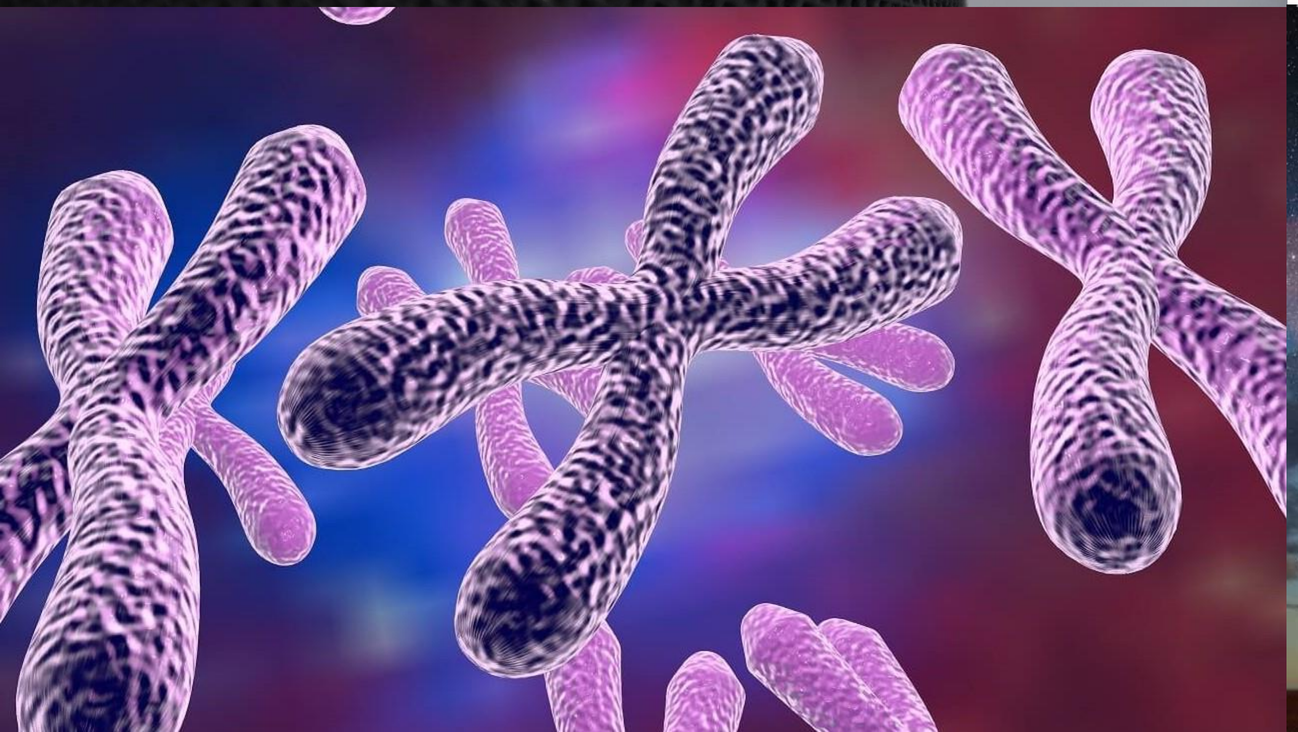


SHARK
SIGHTED
TODAY
ENTER WATER
AT OWN
RISK

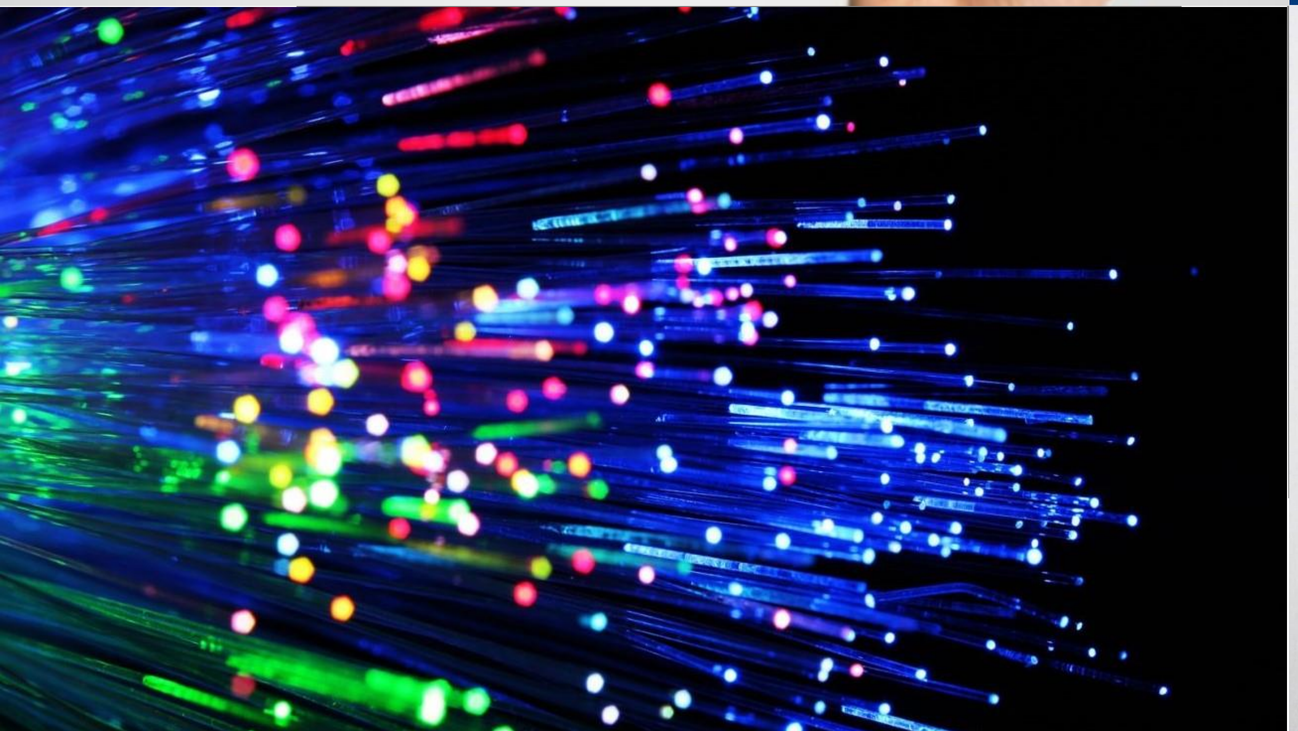

SIEMENS
SIEMENS
ZARGES



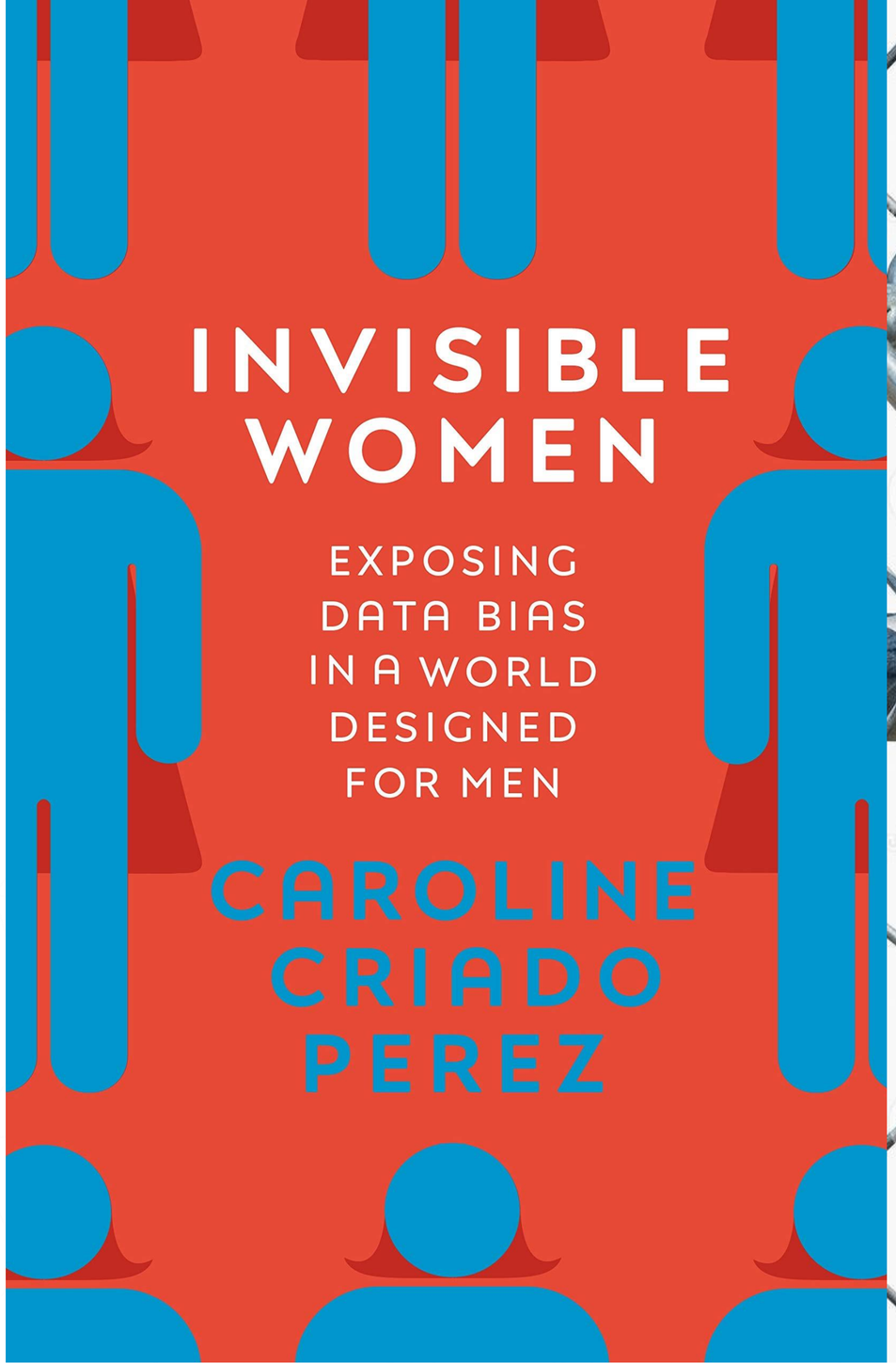
SOCIAL
MEDIA

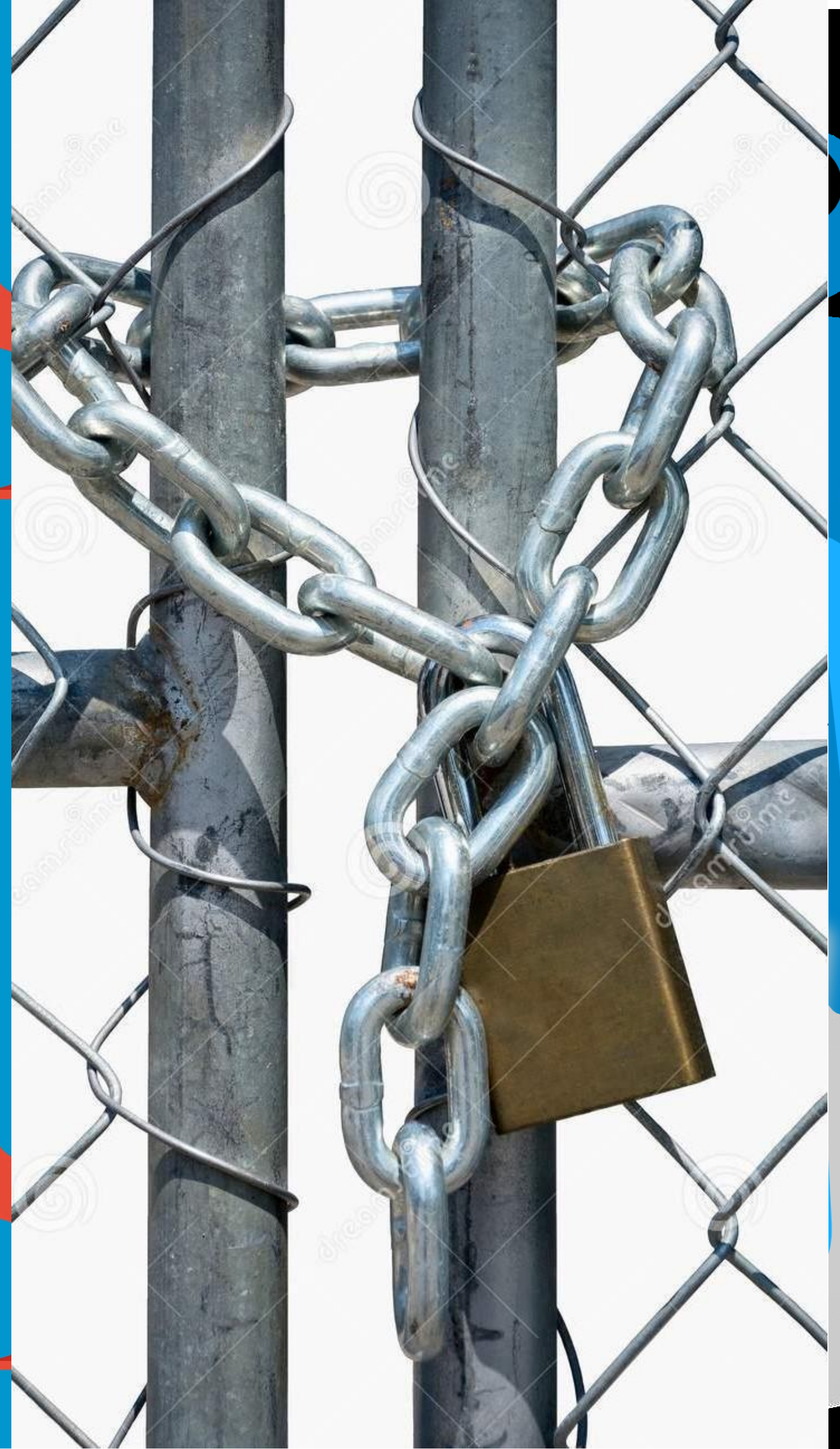


IT'S ALL
ABOUT YOU



Twenty Pounds


INVISIBLE WOMEN
EXPOSING DATA BIAS IN A WORLD DESIGNED FOR MEN
CAROLINE CRIADO PEREZ

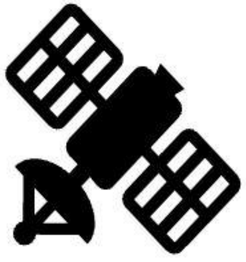


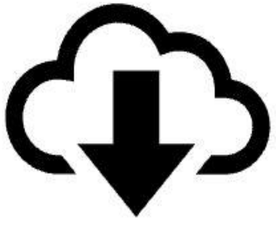
1. Adoption of modern agriculture:

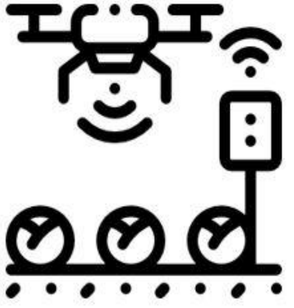
2. Mechanisation post-WW1:

3. The green revolution:

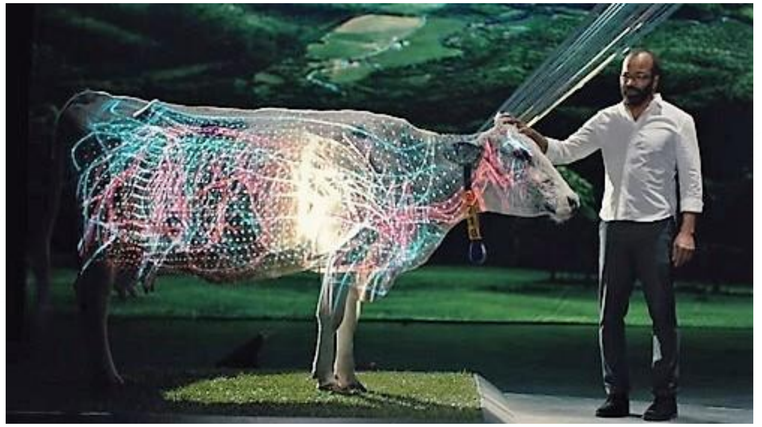
4. The digital revolution





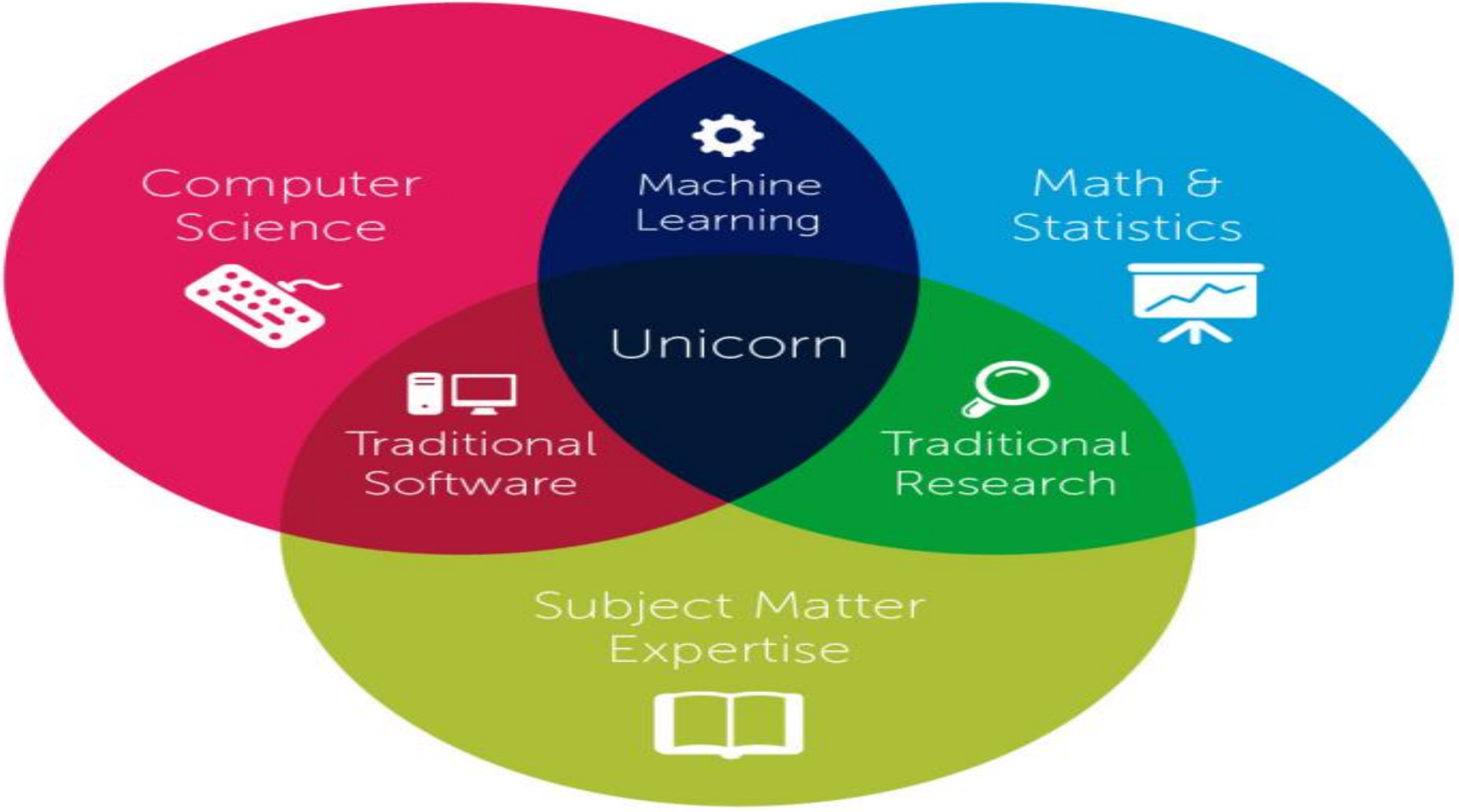


Connect Mobile
13.8
1.8
14.4
25.0

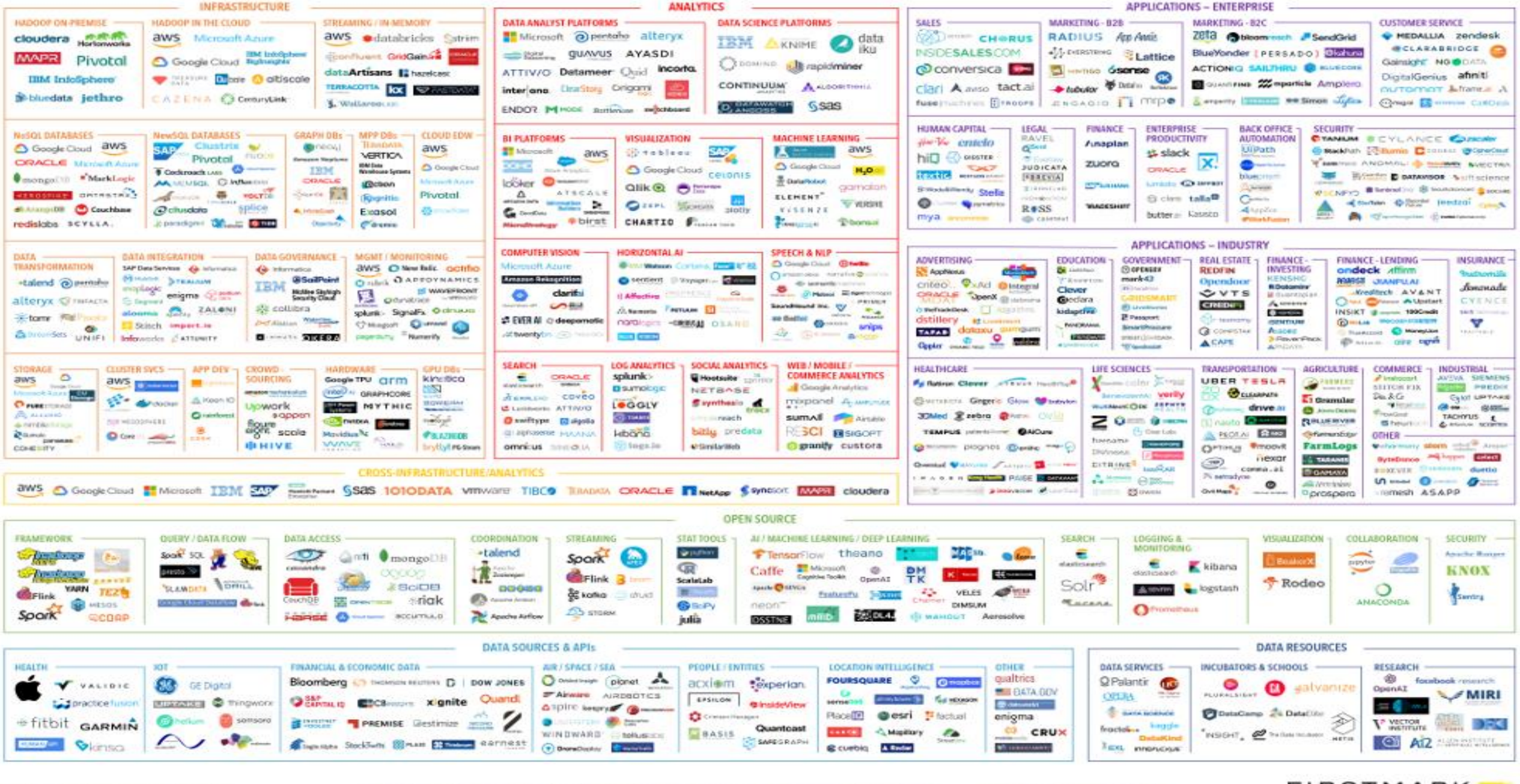


Big Data disillusionment

RULES
STANDARDS
GUIDELINES
GUIDANCE


Computer Science
Machine Learning
Math & Statistics
Unicorn
Traditional Software
Traditional Research
Subject Matter Expertise

BIG DATA & AI LANDSCAPE 2018



© Matt Turck (@mattturck), Demi Obayomi (@demi_obayomi), & FirstMark (@firstmarkcap)

FIRSTMARK
EARLY STAGE VENTURE CAPITAL

Head to
Heart to
Hands

ROI

C'est la rentrée
1
2
3
6
six
7
sept
8
huit

010 10
1010 0000011 1101001011100
01100 11111 1000 01100 1111 1101
11011 0110110101 011 001 10 0 01
0111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
100 111101 11001 0011111011 0110 01
10110101010 011 001 10 00000 10111 101010
0101000000 1 10 001011 0011000111 101
00 0110 1 0011 1 1 0 1 10 001 01101010
1001 000 10 10 0 0 0001 101 0 1 0 0 1 0 1 0
000000 1111 10 0 1 0 1 10 0 0110001111
0 100 00110010001111 1 1 1011 0
001 0 1101010 1 0 0 1 10 0 10 10
0 0 00 0 10 1 1101010100 1
01 0 0 0 0 0 0 1 1 1 1 0 1 0 0
1 01 1 000 1 1 0 0 0 1
1 1 1 1 0 1 0 0 0
0 1 1 0 0 1
0 0

CAUTION!
Alternate
REALITY
AHEAD

Agrimetrics
THE CATALYST FOR CHANGE