BREVE INTRODUCCIÓN A LA INTELIGENCIA ARTIFICIAL



Toni Sánchez @aszapla

Torre Juana
Open Space Technology

1. “AIFOBIA”
2. LA IA Y EL EFECTO WoW
3. QUÉ ES Y NO ES LA INTELIGENCIA ARTIFICIAL
4. LA IA EN EL MUNDO
5. LA IA NO ES INFALIBLE
6. RECURSOS APRENDER IA

Hola!



Soy Toni

Teleco, MBA y especialista en economía de las telecomunicaciones.

22 años de experiencia en aplicación de tecnología a las ciudades (y alguna se ven Alicante).

Y bebo agua del grifo de Aguas de Alicante y soy de asociado de...

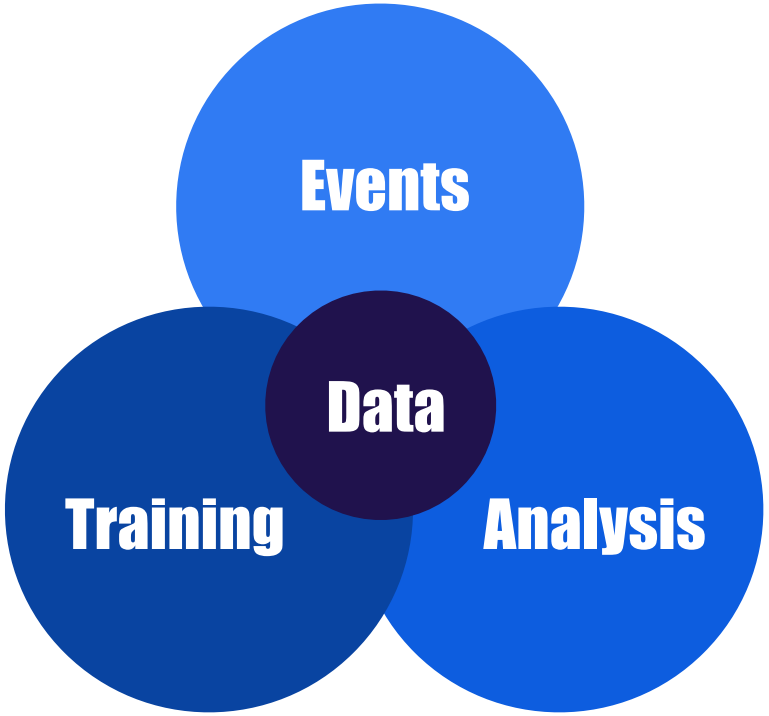
Puedes encontrarme enredando

@aszapla

ANBAN
Asociación Nacional Bigdata y Análisis

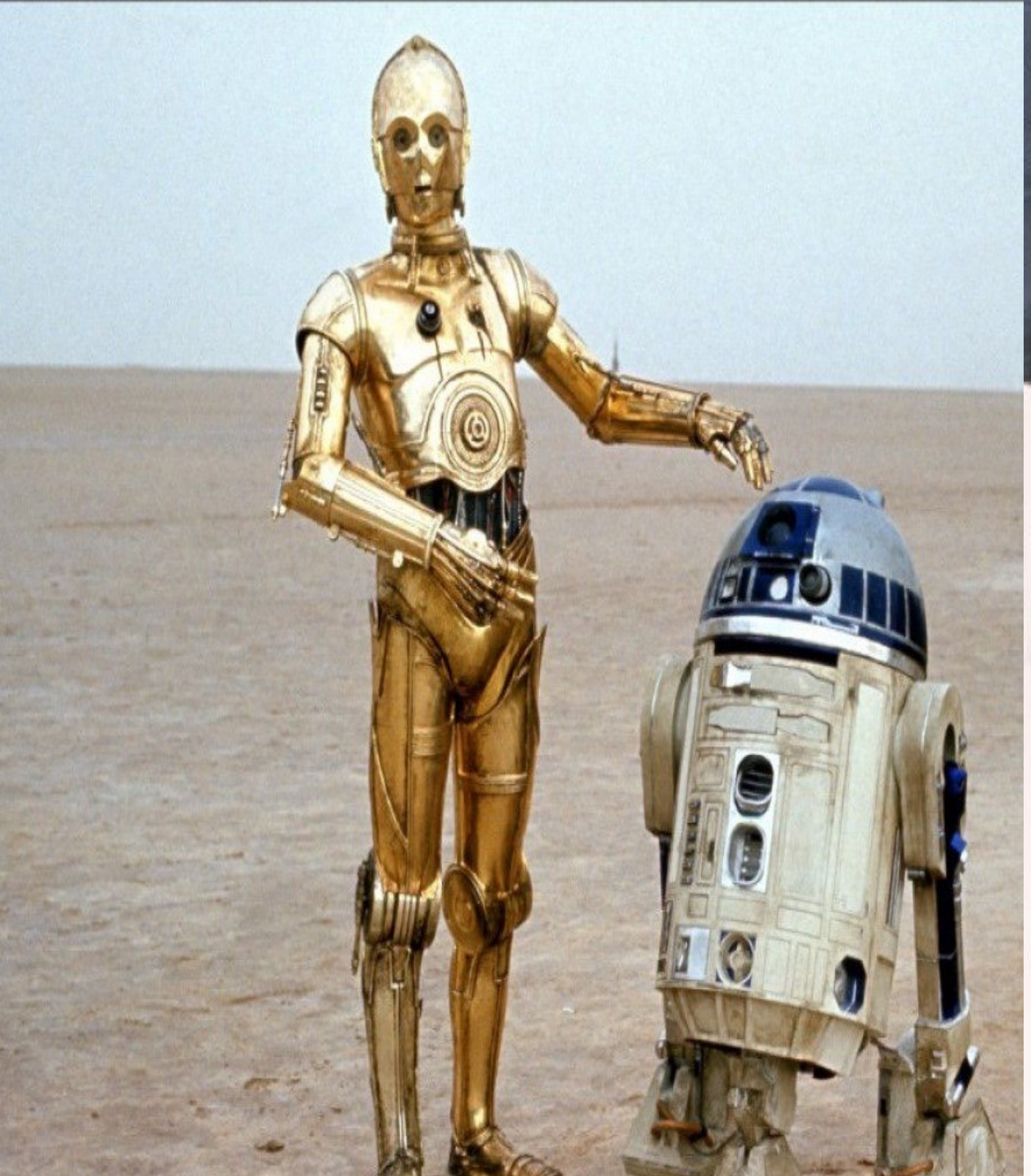
ASOCIACIÓN NACIONAL DE BIG DATA Y ANALYTICS (ANBAN)

- Red de profesionales de los datos al servicio de la sociedad: Big Data Science, Analytics, Machine Learning/Deep Learning y Artificial Intelligence
- Dar a conocer el gremio y discernir los roles de cada uno para sacar el mayor valor añadido de nuestra profesión.





1. AIFOBIA



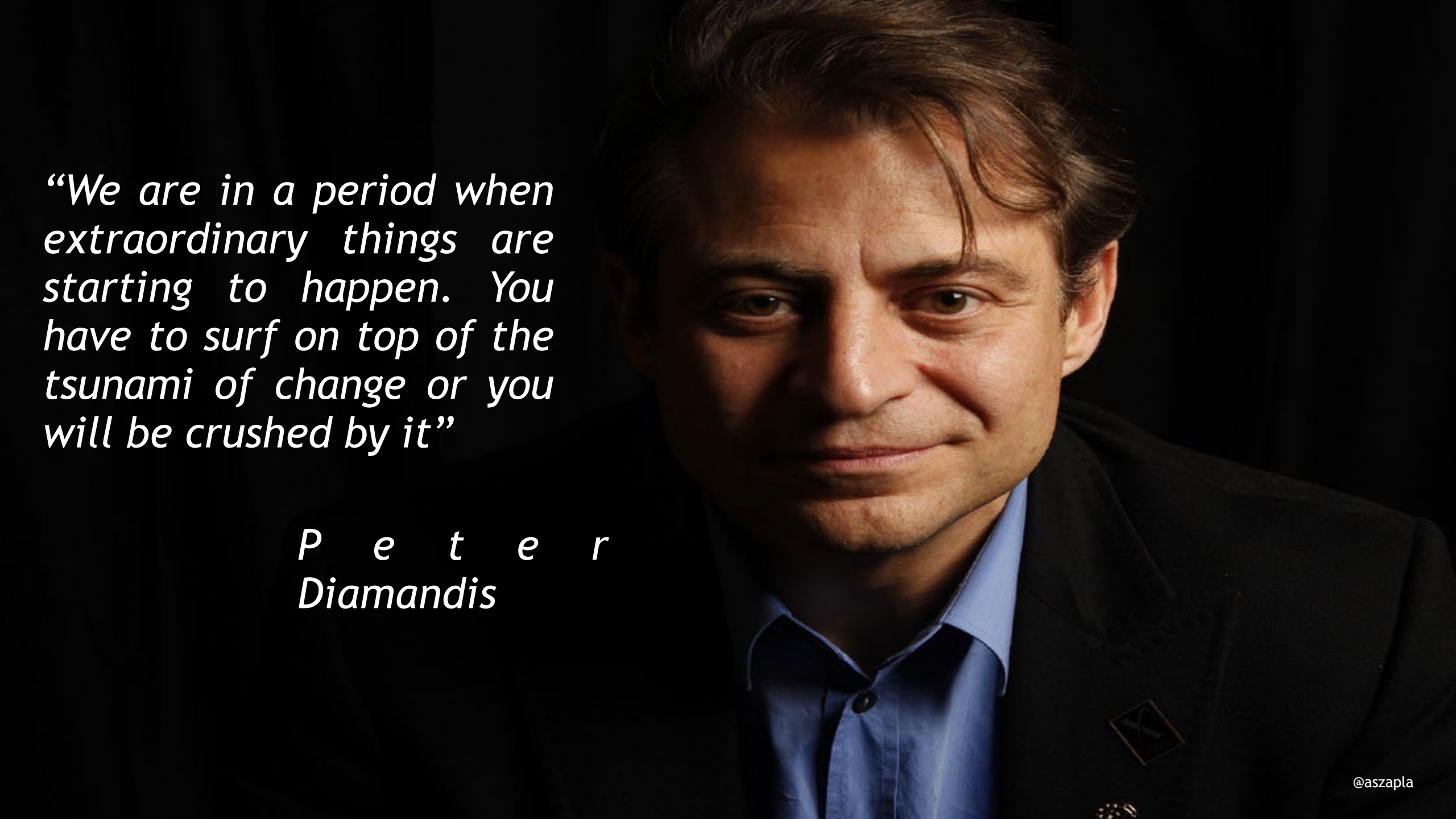


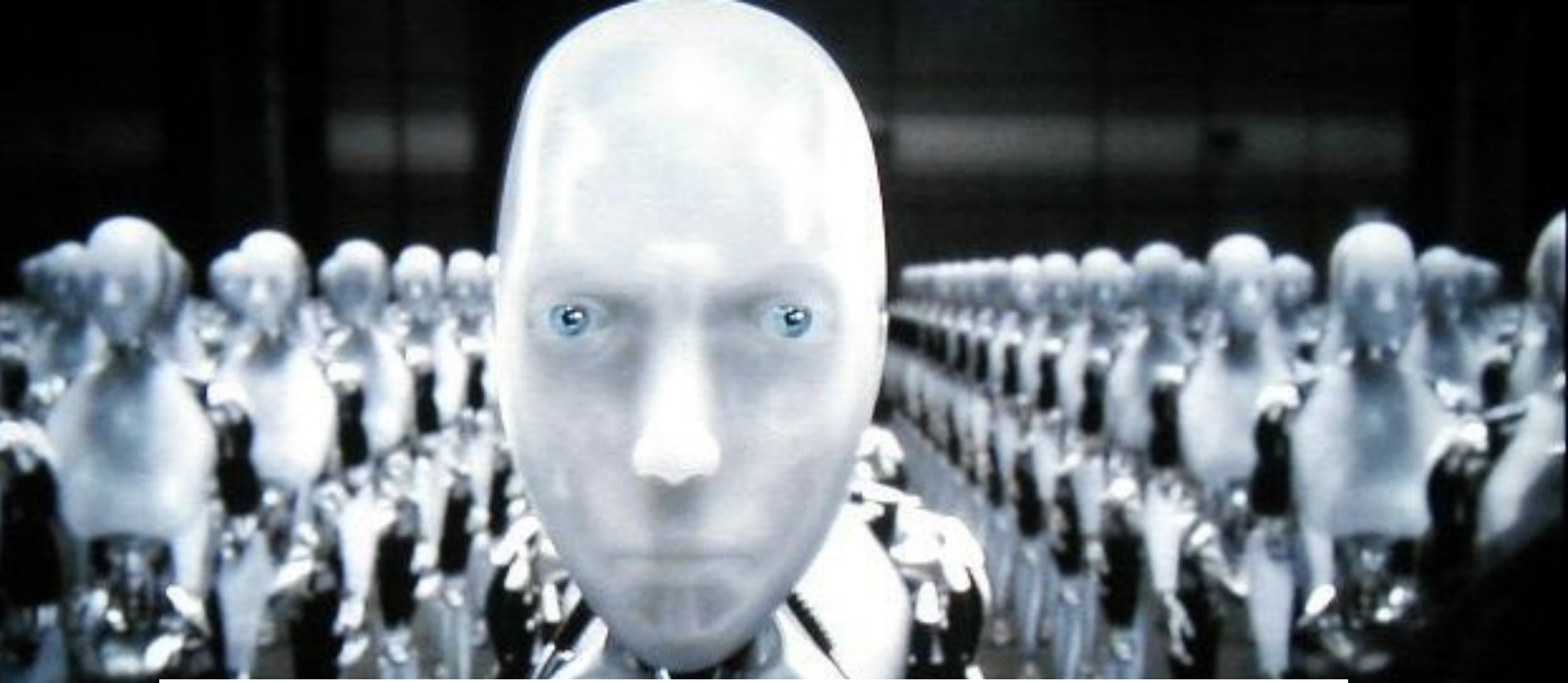




“We are in a period when extraordinary things are starting to happen. You have to surf on top of the tsunami of change or you will be crushed by it”

P e t e r Diamandis





Elon Musk: ‘Mark my words — A.I. is far more dangerous than nukes’

PUBLISHED TUE, MAR 13 2018 • 1:22 PM EDT | UPDATED WED, MAR 14 2018 • 11:31 AM EDT

@aszap

人工知能が
多摩市を変える。

市民の税金を使うにあたっては、
一点の隠しごとも許しません。



AIを駆使する若い市長の手で
公明正大な市政を。

しがらみのない公正な政治を行います。
未来に向けた施策をスピードをもって実行します。
情報を素早くノウハウを貯め、次世代につなげて行きます。

AI市長候補

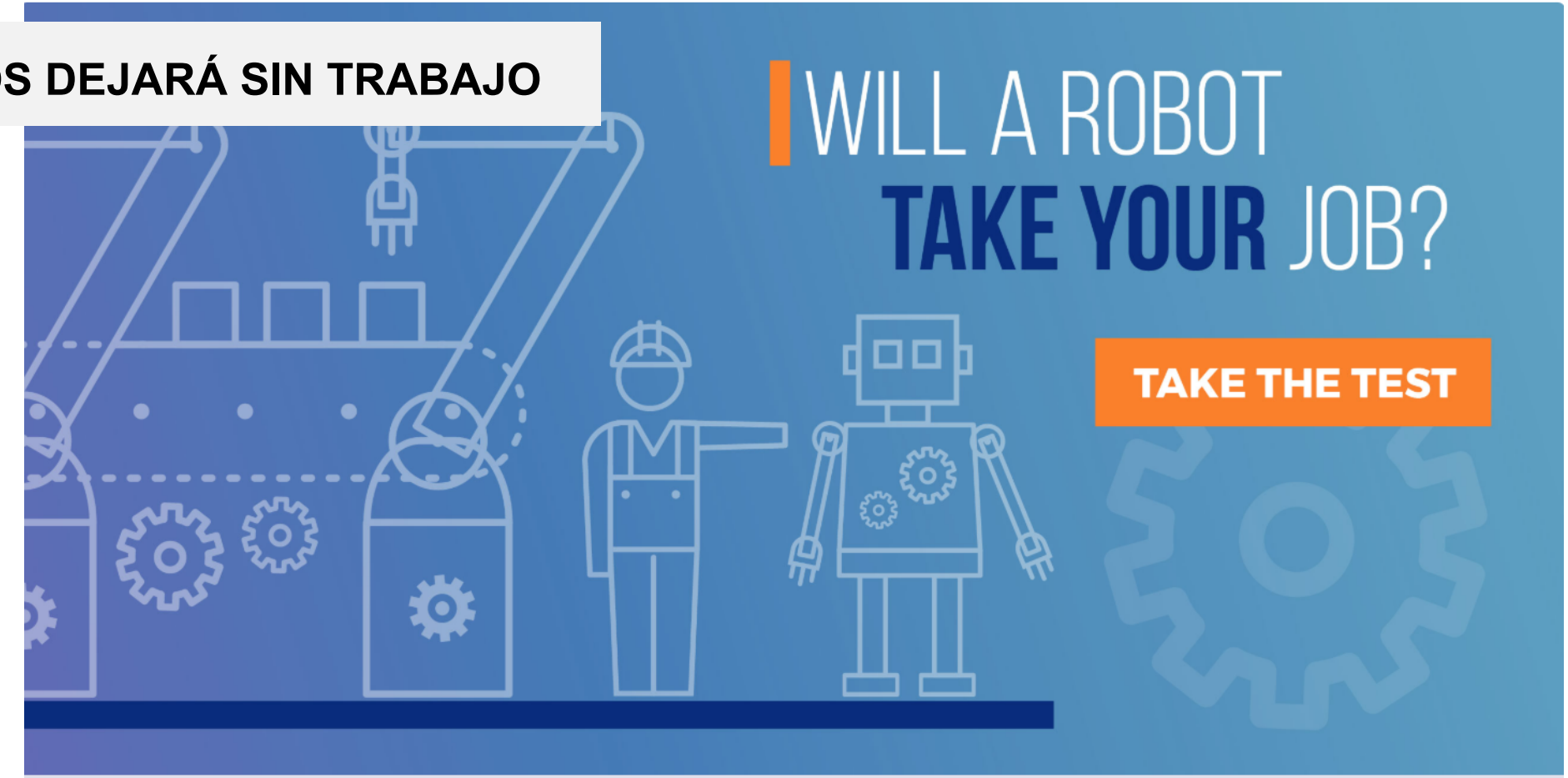
松田みちひと

私も投票します。 村上 憲郎 元グーグル日本法人社長／総務省「AIネットワーク社会推進会議」座長

「AI開発の8原則を守って、政治にもAIの有効活用を。」

@aszapla

LA IA NOS DEJARÁ SIN TRABAJO



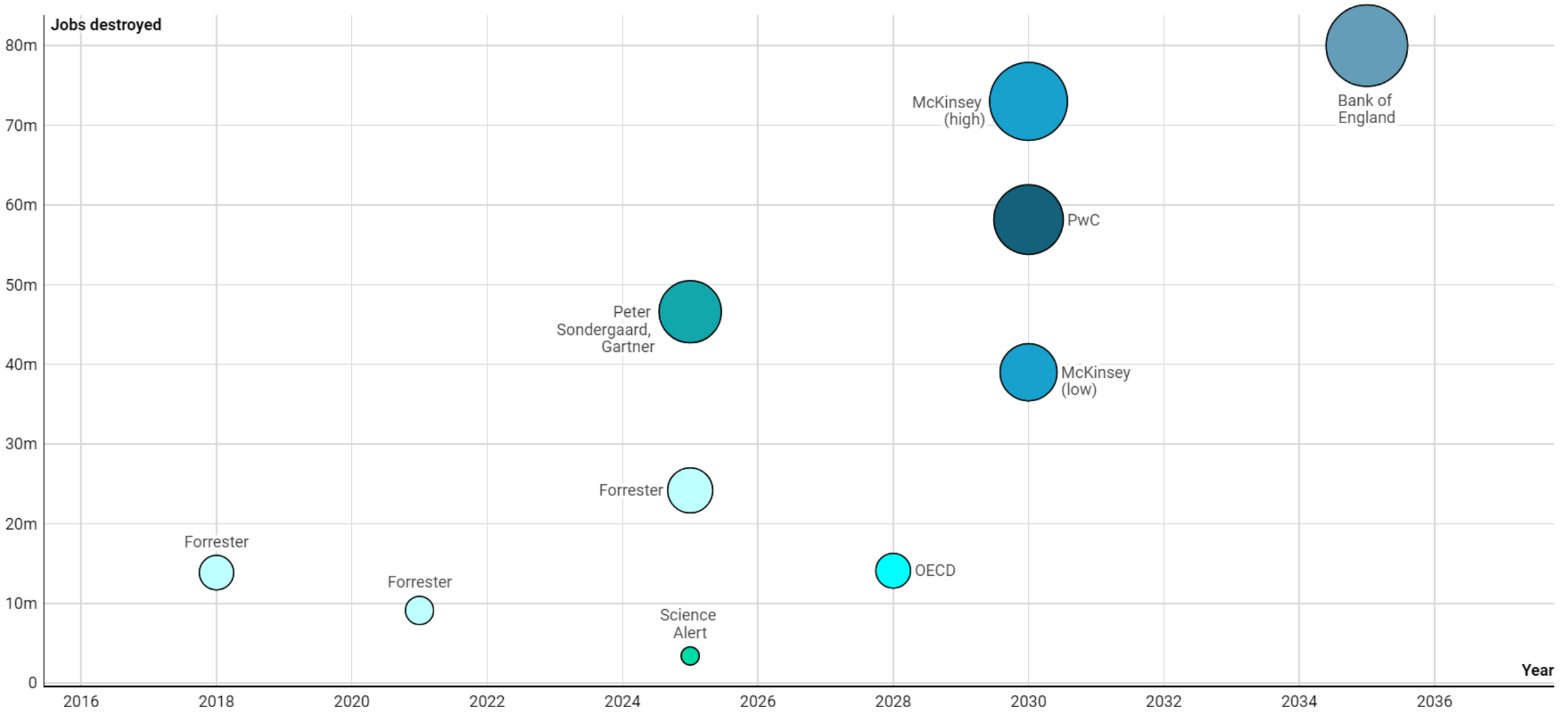
How likely is it that a robot will take your job? If you are a toll-booth operator, pretty high. Hostage negotiator? You should be OK long past retirement.

Score your own job, answer the ten questions in our quiz.

https://gigaom.com/quiz/

Start

Number of U.S. jobs predicted to be lost to automation



Source: MIT Technology Review compilation and analysis; Recode analysis of estimates

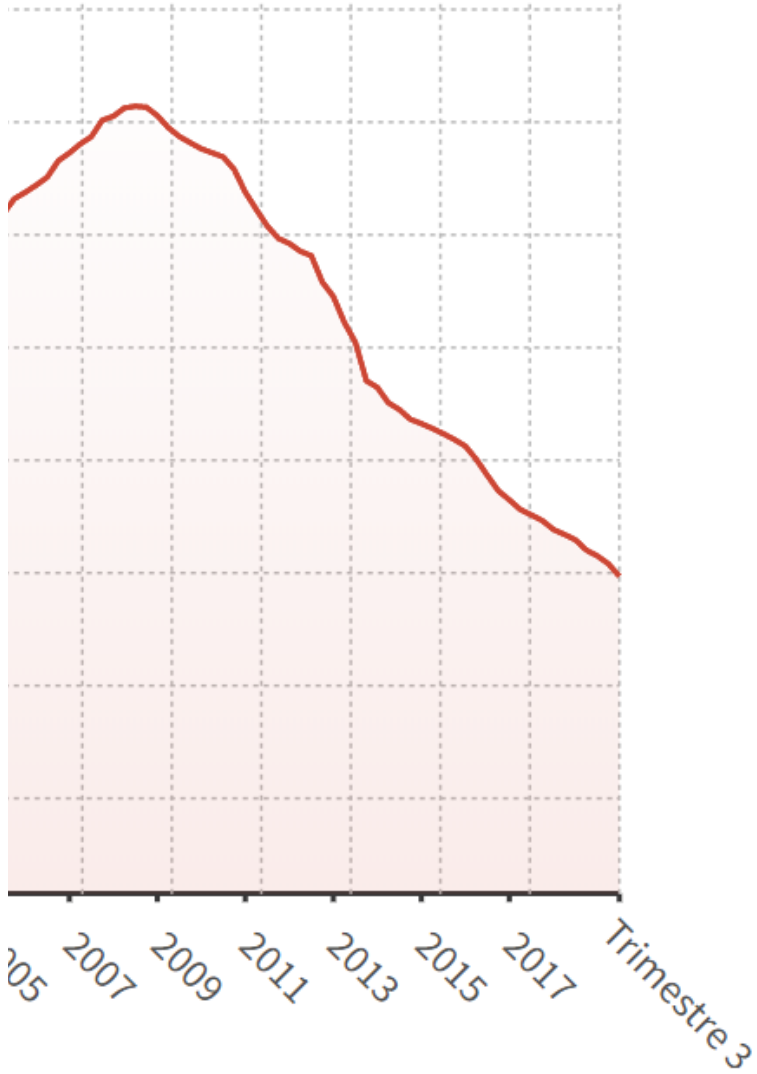
recode

Gráfico 1.1. Los bancos con mayor cuota de clientes digitales

BANCOS	USUARIOS DE BANCA DIGITAL	CLIENTES CON INTERNET QUE NO USAN BANCA DIGITAL	CLIENTES SIN ACCESO A INTERNET
ING	95%	4,30%	0,70%
BBVA	50,10%	33,60%	16,30%
SABADELL	49,80%	32,80%	17,40%
CAIXABANK	47,80%	38,50%	13,70%
SANTANDER	47,20%	35,30%	17,50%
MERCADO	44,40%	37,10%	18,50%
BANKIA	36,30%	39,30%	24,40%
RURALES	35,60%	41,90%	22,60%
IBERCAJA	30,40%	46,20%	23,40%

Fuente: Inmark

rias en España



AMY WEBB BUSINESS 02.16.19 09:00 AM

THE PENTAGON NEEDS TO WOO AI EXPERTS AWAY FROM BIG TECH



Link

NYC OFFICE OF THE MAYOR
OFFICE OF OPERATIONS

NYC
Mayor's Office of Operations

Position: ALGORITHMS MANAGEMENT AND POLICY OFFICER

Location: 253 BROADWAY, NEW YORK, NY

ORGANIZATIONAL PROFILE: The Mayor's Office of Op
government more effective and efficient. The Office is respon
multiagency initiatives and using data to help the City make ir
targeted investments. The Office oversees the daily operatio
initiatives, and assists agencies in improving service quality
provide greater accountability.

The Mayor issued Executive Order 50 on November 19, 20
leadership relating to the fair and responsible use of algoritl
technologies in City agency decision-making. The City is h
Policy Officer (AMPO) to lead this effort, creating and stre
citywide, and supporting agencies in implementing these pr

El Consell nombra a Mario Villar nuevo director de Inteligencia Turística

El responsable y experto benidormense en Big Data de la patronal Hosbec se incorpora al Invattur

F. J. Benito | 07.01.2019 | 11:35

El benidormense **Mario Villar García,** (Benidorm, 1987), hasta ahora responsable del departamento del Big Data de la patronal hotelera Hosbec, se ha incorporado a Turisme Comunitat Valenciana como nuevo director de **Inteligencia Turística**, puesto de nueva creación con el que se amortigua la baja de Raquel Huete.



El Consell nombra a Mario Villar nuevo director de Inteligencia

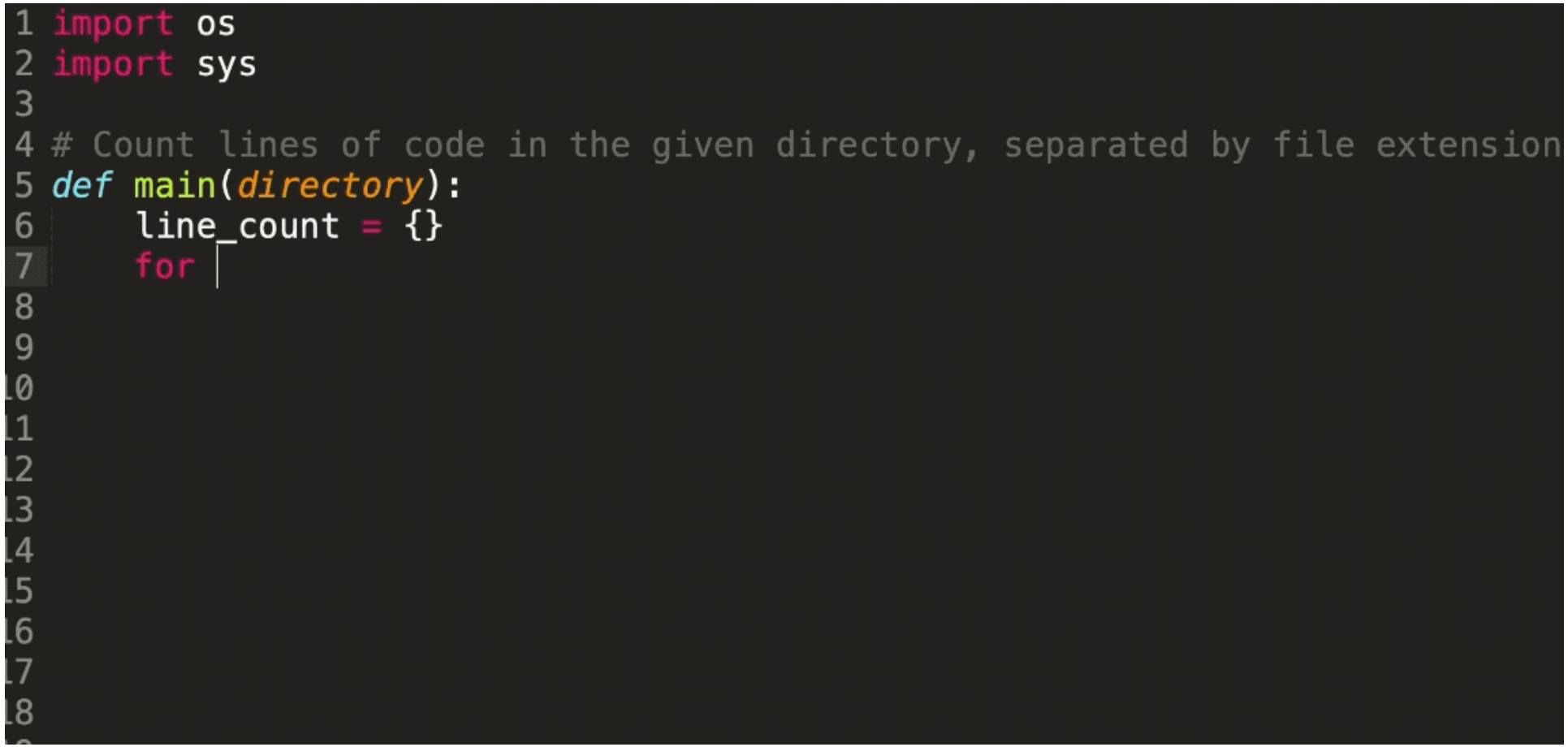
11/11 Alibaba’s warehouse



Link



SECTOR INFORMÁTICO



Deep TabNine

Python, JavaScript, Java, C++, C, PHP, Go, C#, Ruby, Objective-C, Rust, Swift, TypeScript, Haskell, OCaml, Scala, Kotlin, Perl, SQL, HTML, CSS, and Bash.

SECTOR SALUD



"508 000 women died in 2011" (WHO)



IA para la detección temprana cáncer mama



Por cada año de diagnóstico precoz, se aumenta un 20% la esperanza de vida en 5 años

MENU

nature

Article | Published: 01 January 2020

International evaluation of an AI system for breast cancer screening

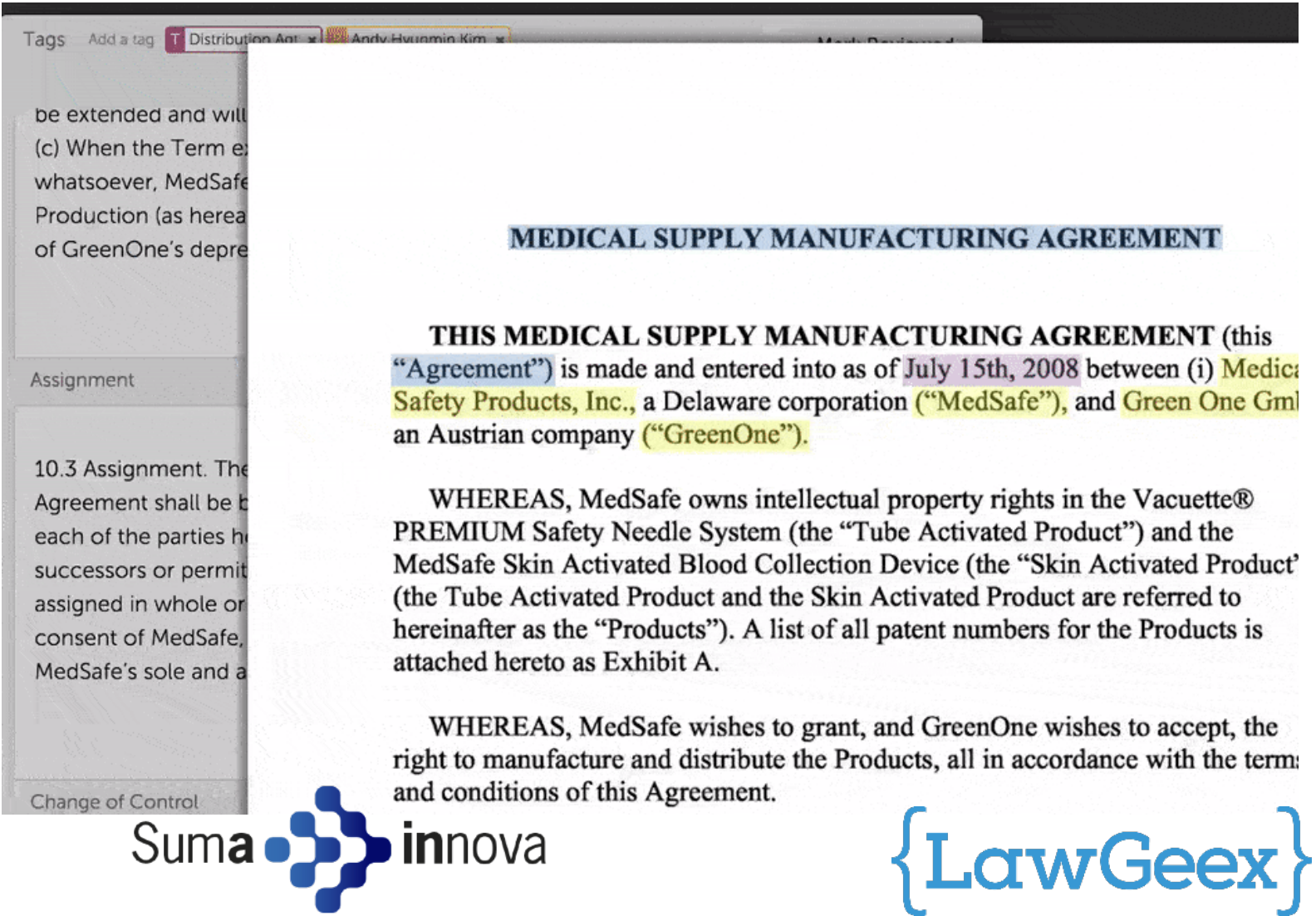
Scott Mayer McKinney, Marcin Sieniek, [...] Shravya Shetty

Nature **577**, 89–94(2020) | Cite this article

15k Accesses | **1** Citations | **3193** Altmetric | Metrics

https://www.nature.com/articles/s41586-019-1799-6

SECTOR LEGAL



Tags Add a tag Distribution Agt Andy Hyunmin Kim

be extended and will
(c) When the Term e
whatsoever, MedSafe
Production (as herea
of GreenOne's depre

Assignment

10.3 Assignment. The
Agreement shall be b
each of the parties h
successors or permit
assigned in whole or
consent of MedSafe,
MedSafe's sole and a

Change of Control

MEDICAL SUPPLY MANUFACTURING AGREEMENT

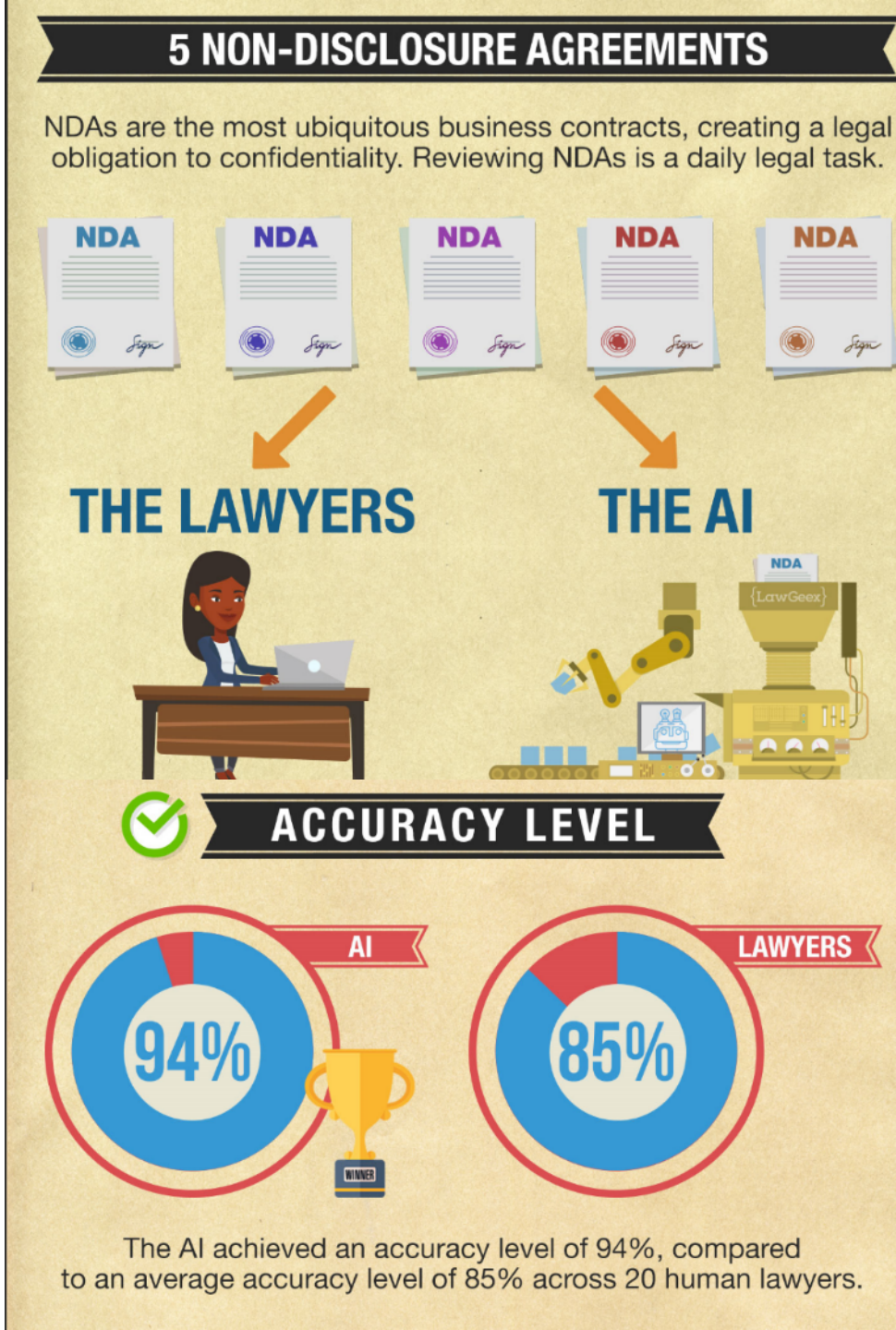
THIS MEDICAL SUPPLY MANUFACTURING AGREEMENT (this "Agreement") is made and entered into as of July 15th, 2008 between (i) Medica Safety Products, Inc., a Delaware corporation ("MedSafe"), and Green One Gmb an Austrian company ("GreenOne").

WHEREAS, MedSafe owns intellectual property rights in the Vacuette® PREMIUM Safety Needle System (the "Tube Activated Product") and the MedSafe Skin Activated Blood Collection Device (the "Skin Activated Product" (the Tube Activated Product and the Skin Activated Product are referred to hereinafter as the "Products"). A list of all patent numbers for the Products is attached hereto as Exhibit A.

WHEREAS, MedSafe wishes to grant, and GreenOne wishes to accept, the right to manufacture and distribute the Products, all in accordance with the terms and conditions of this Agreement.

Suma innova

{LawGeex}



SECTOR JUDICIAL

Divorcio



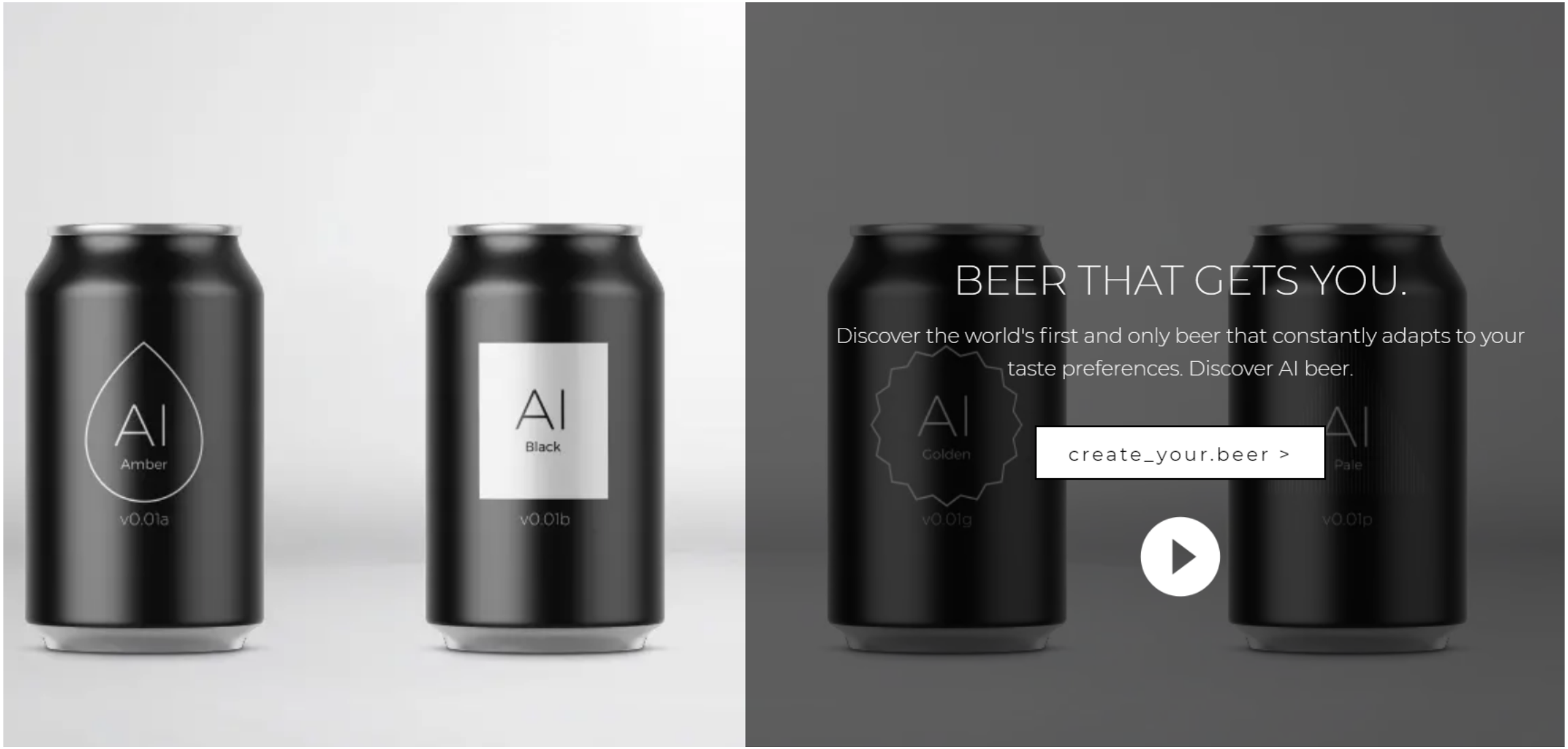
1 año o más



27.000 $

wevorce





https://vimeo.com/172395607

https://get.intelligentx.ai/

2. LA IA Y EL EFECTO WOW!





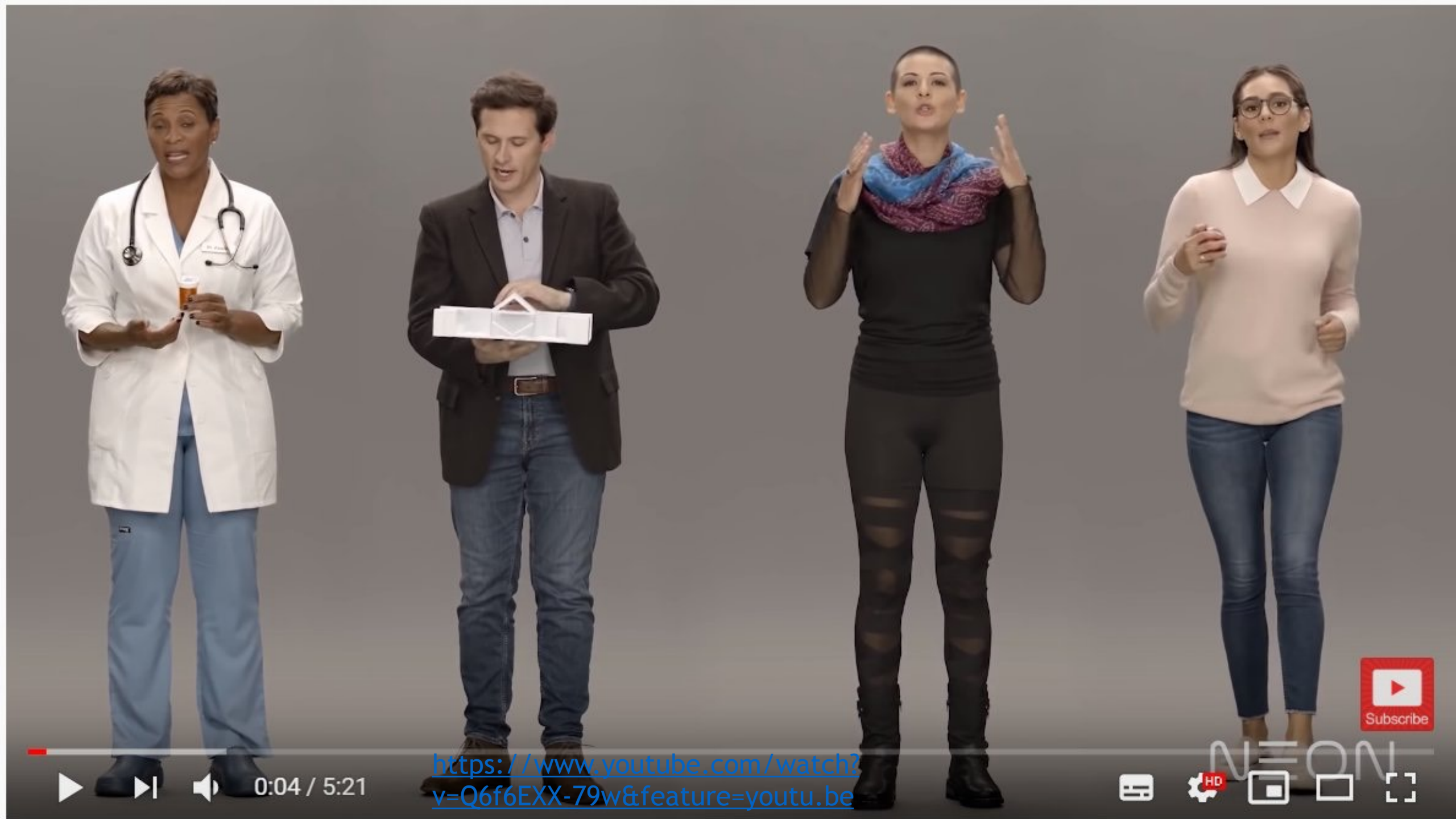

新华社
XINHUA NEWS
Sogou 搜狗
AI 合成主播

"Cuando se es un genio, no tenemos derecho a morirnos, porque hacemos falta para el progreso de la humanidad"

Salvador Dalí (1989)



https://www.youtube.com/watch?v=mPtcU9VmIIE&feature=youtu.be


0:04 / 5:21
https://www.youtube.com/watch?v=Q6f6EXX-79w&feature=youtu.be
Subscribe
HD


https://thispersondoesnotexist.com/



AIVA

Music Engine Pricing Company

Contact us SIGN UP

AIVA

The Artificial Intelligence composing emotional soundtrack music

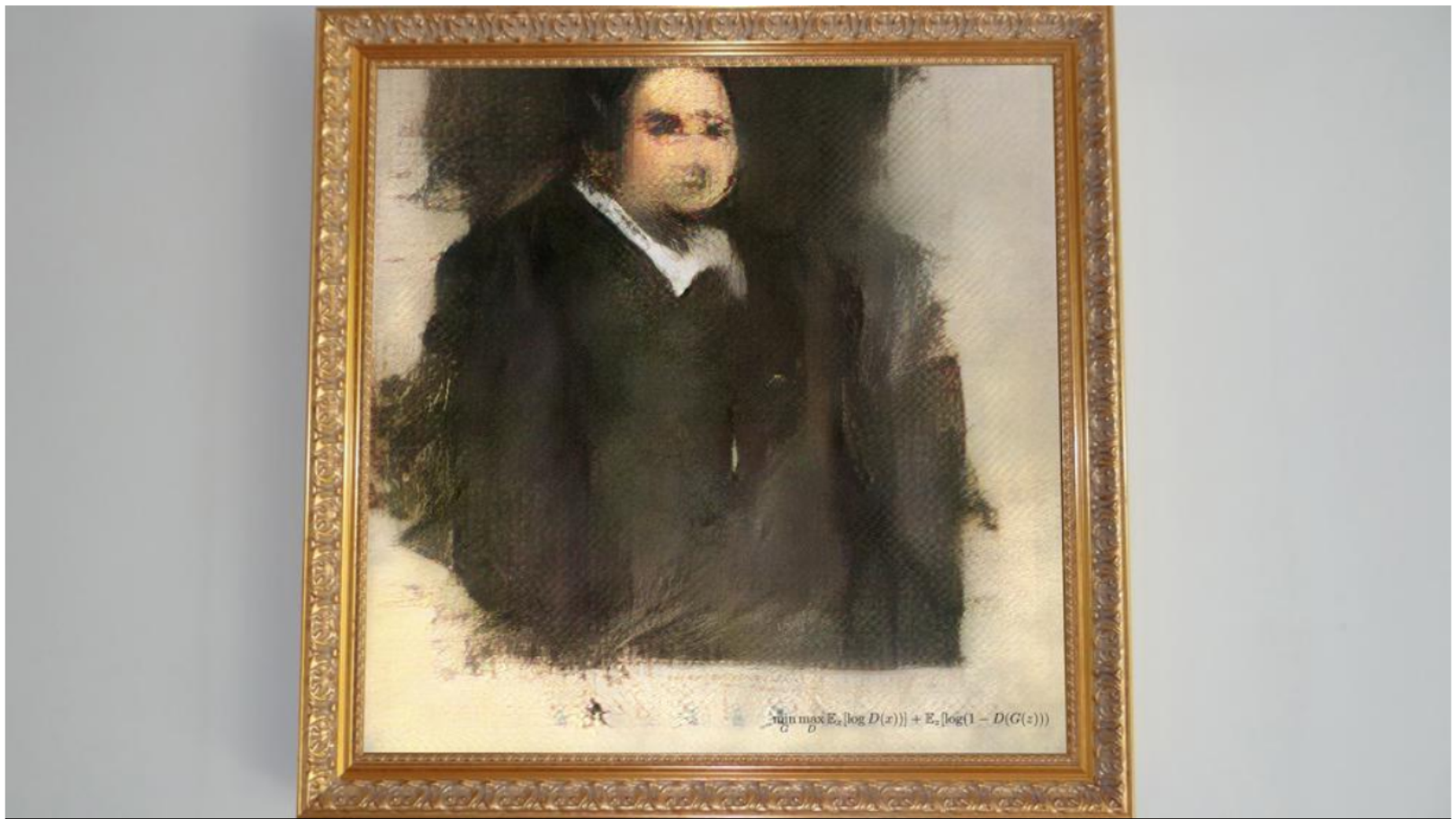
Email address Signup for Beta

I agree to the EULA and Privacy Policy



Un cuadro creado con inteligencia artificial alcanza casi medio millón de dólares en subasta

• El valor inicial de la obra, 'Portrait of Edmond de Belamy', era de 10.000 dólares



' Portrait of Edmond de Belamy' (Christie's)

@aszapla



https://www.sothebys.com/en/articles/artificial-intelligence-and-the-art-of-mario-klingemann?locale=en

Intelligent Machines

AI is not “magic dust” for your company, says Google’s Cloud AI boss



Andrew Moore says getting the technology to work in businesses is a huge challenge.

by Will Knight November 8, 2018

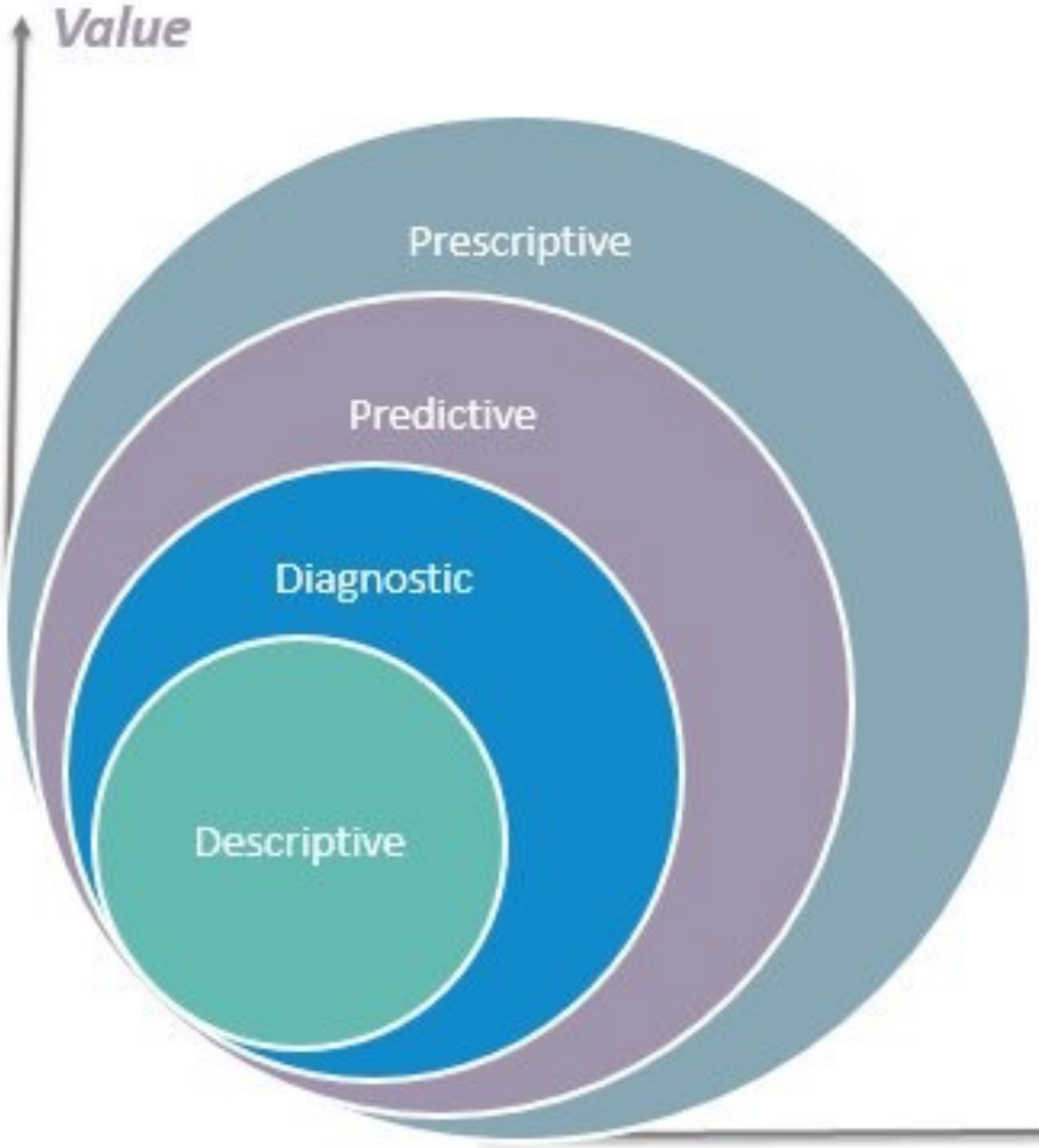
@aszapla

3. QUÉ ES Y NO ES LA INTELIGENCIA ARTIFICIAL



Muhammad ibn Musa al-Khwarizmi

4 types of Data Analytics



What is the data telling you?

Descriptive: *What's happening in my business?*

- Comprehensive, accurate and live data
- Effective visualisation

Diagnostic: *Why is it happening?*

- Ability to drill down to the root-cause
- Ability to isolate all confounding information

Predictive: *What's likely to happen?*

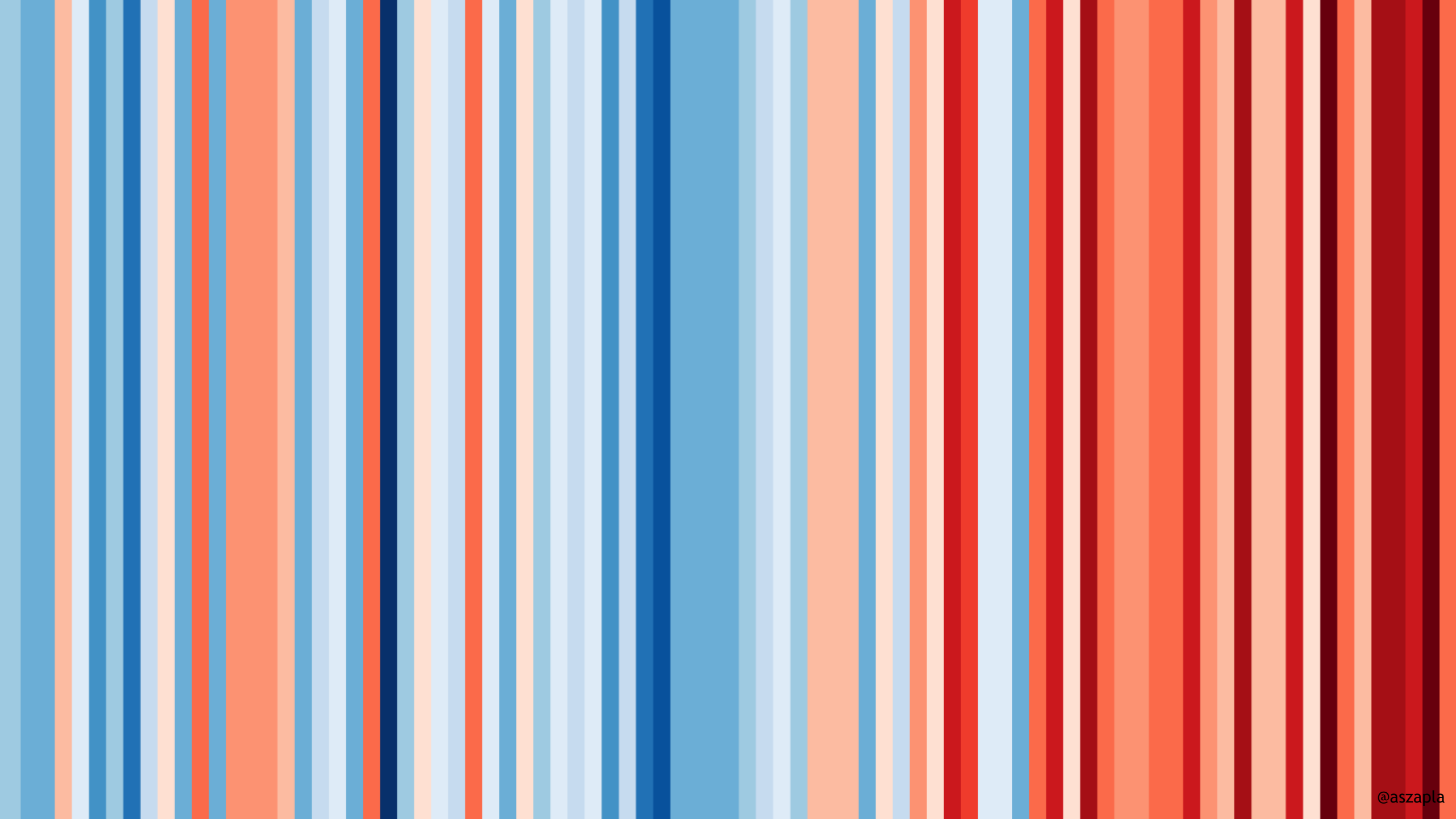
- Business strategies have remained fairly consistent over time
- Historical patterns being used to predict specific outcomes using algorithms
- Decisions are automated using algorithms and technology

Prescriptive: *What do I need to do?*

- Recommended actions and strategies based on champion / challenger testing strategy outcomes
- Applying advanced analytical techniques to make specific recommendations

Principa

www.principa.co.za

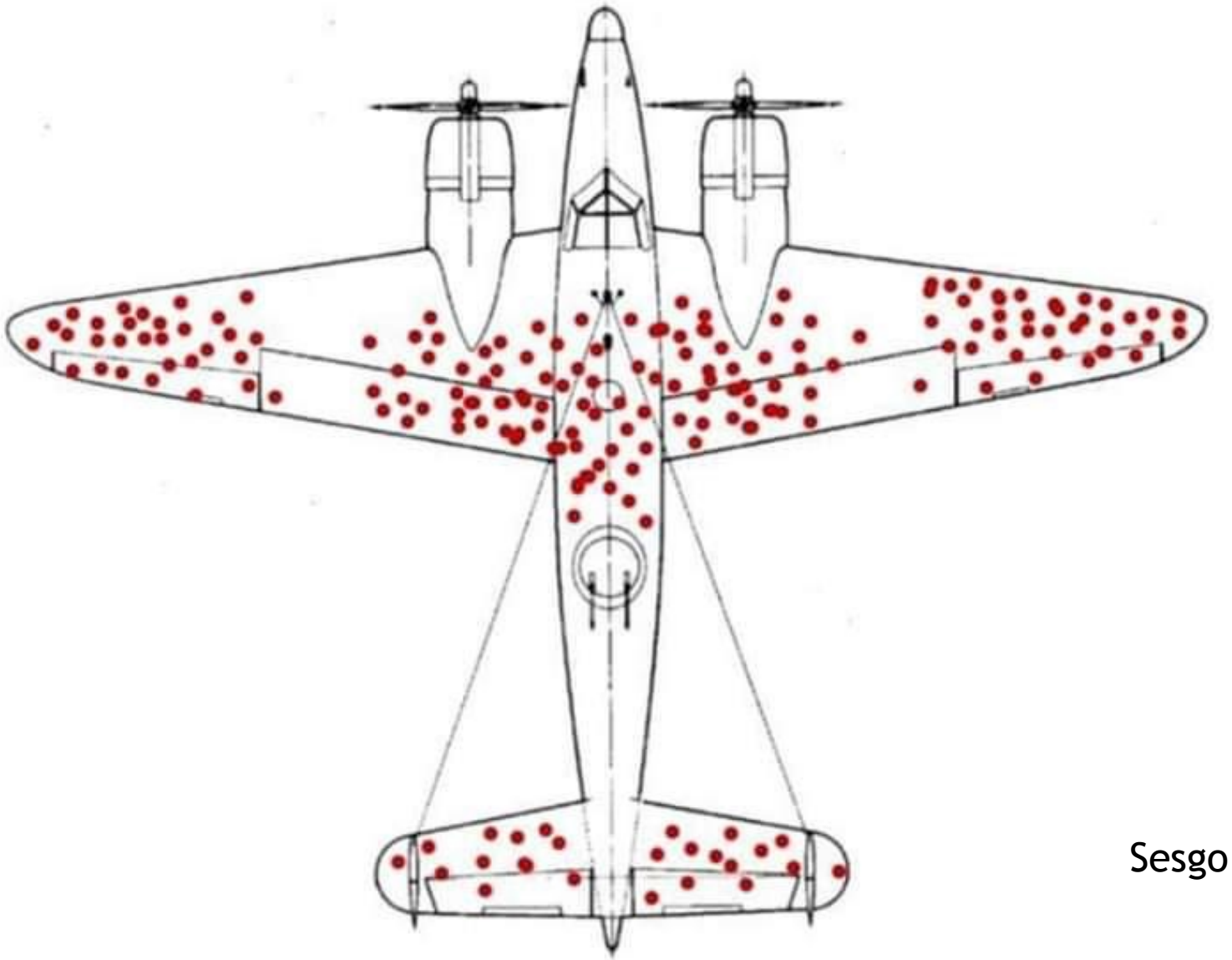

@aszapla

10+1 Key concepts about Forecasting

1. Determine the use of the forecast;
2. Choice the forecast horizon and forecast approach;
3. Collection and analysis of data;
4. Identification of the forecast model(s);
5. Estimation of the forecast model(s);
6. Diagnosis of the statistical adequacy of the model(s);
7. Production of the forecast, including confidence intervals;
8. Evaluation of the forecast;
9. Use of the forecast by decision makers;
10. Ex-post facto analysis of forecast error.

And…..

0. Asking the Right Questions



Sesgo de Supervivencia

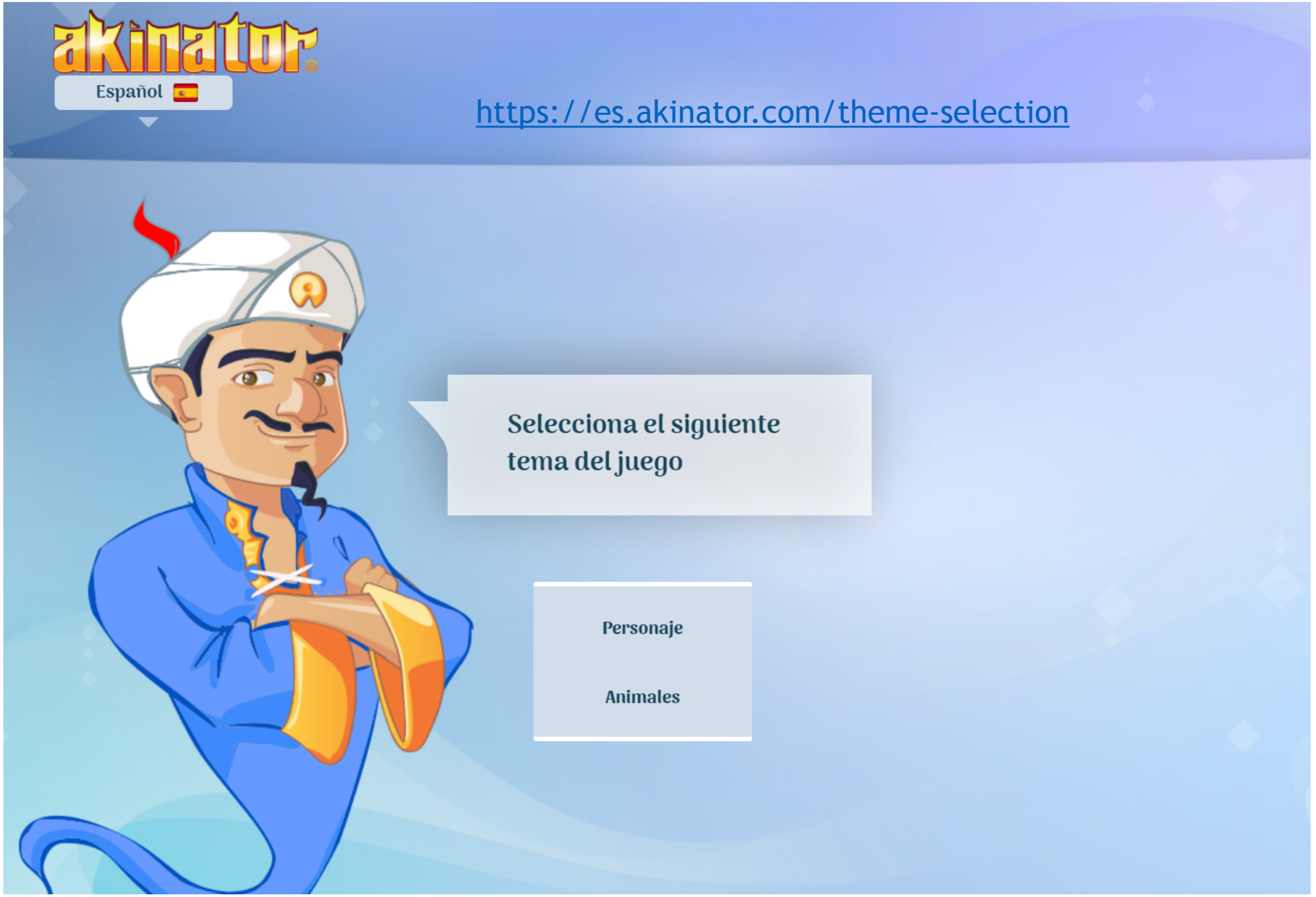


Mitos y Leyendas sobre la IA

- La IA no es robótica, es SW
- La IA es presente, no futuro
- Transformación del trabajo
- La IA no sustituirá a los humanos: es limitada
- La IA supera a los humanos en temas específicos (juegos, imágenes)
- No es algo nuevo: Test Turing 1950

@nuriaoliver

https://es.akinator.com/theme-selection



https://www.youtube.com/watch?v=idw3HAQsPgs&feature=emb_logo



¿Puede una red neuronal reconocer tus dibujos?

Añade tus dibujos al conjunto de datos de dibujos más grande del mundo, compartido públicamente, para ayudarnos con la investigación sobre el aprendizaje automático.

¡A dibujar!

This is an A.I. Experiment

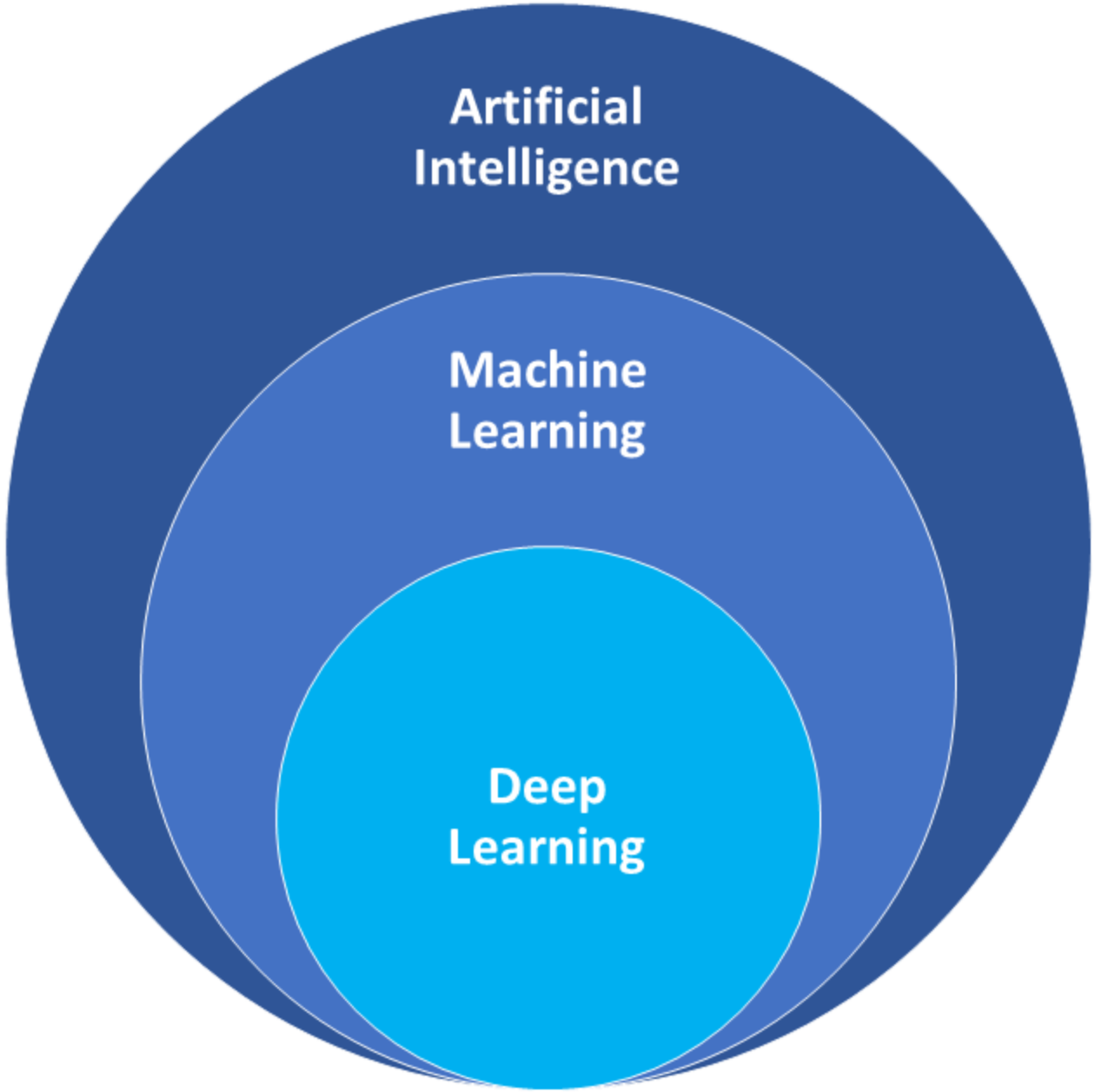
Made with some friends from Google

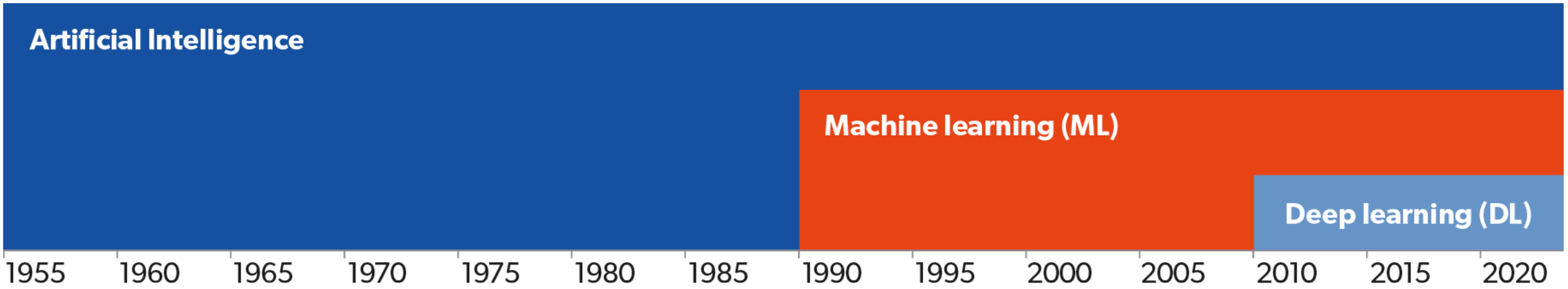
https://quickdraw.withgoogle.com/

Span

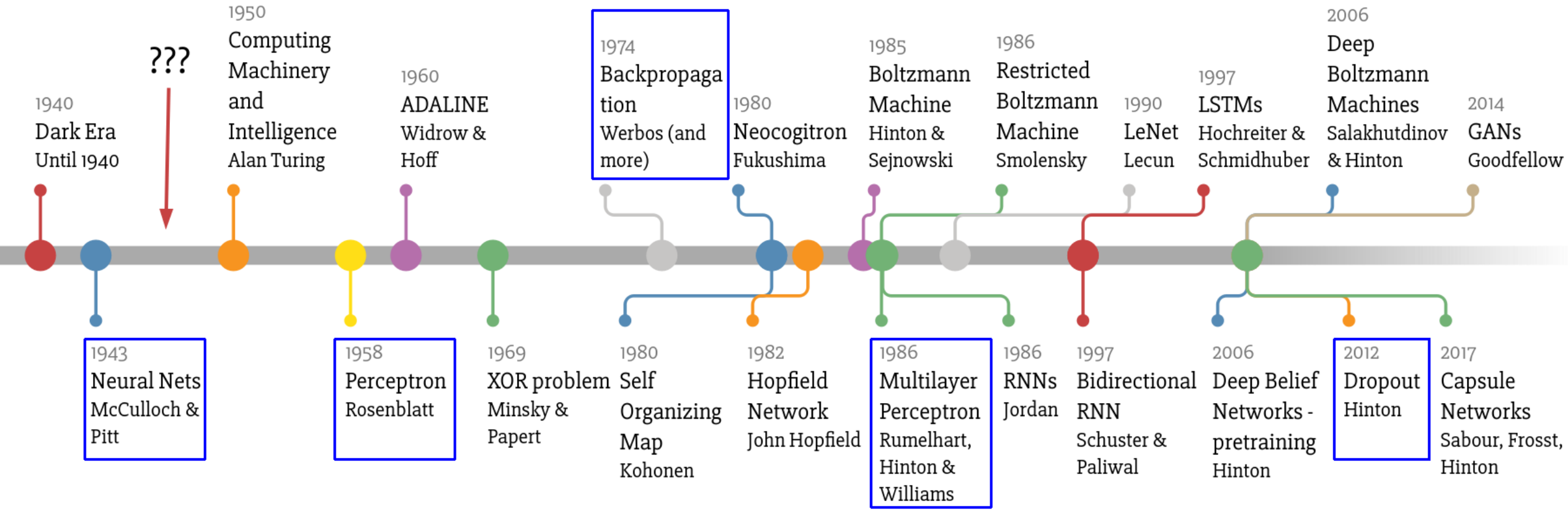
Privacida

@aszapla


Artificial
Intelligence
Machine
Learning
Deep
Learning

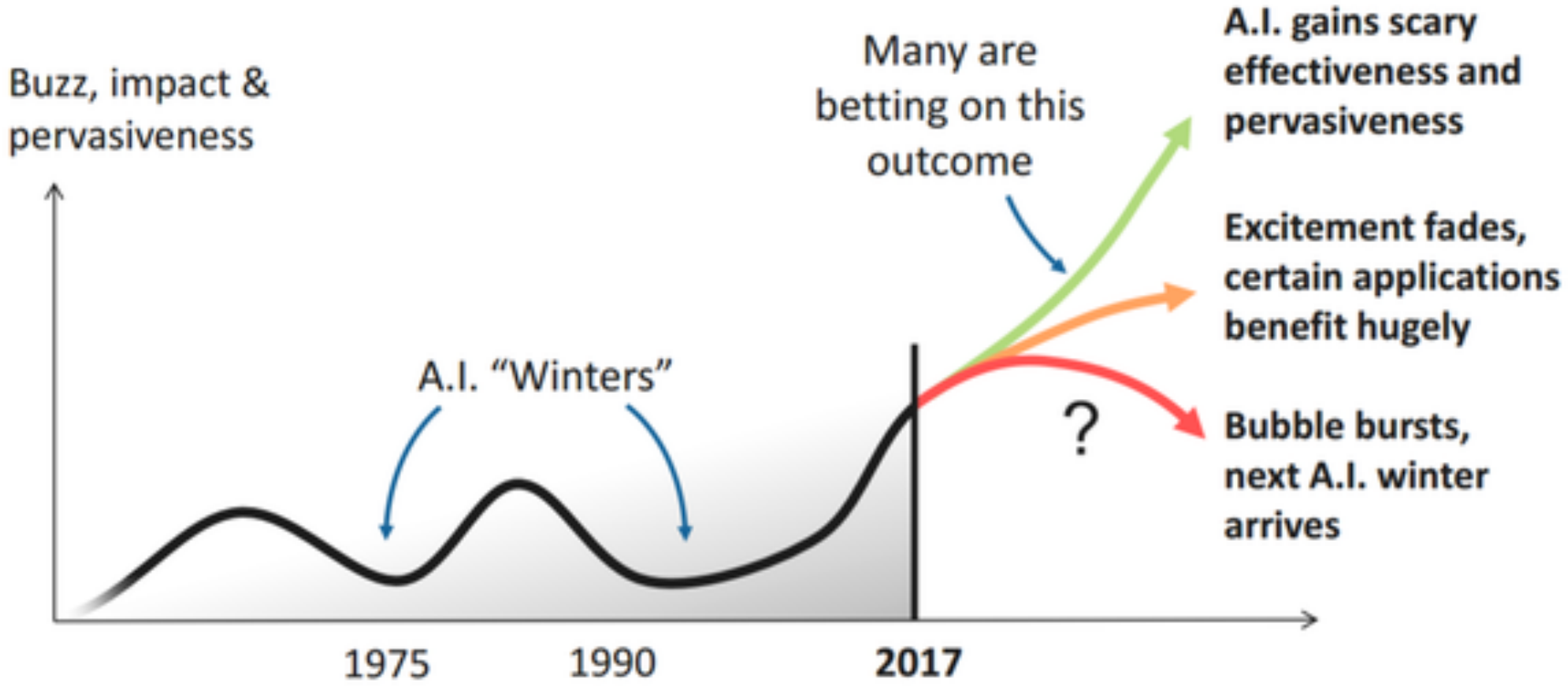

Artificial Intelligence
Machine learning (ML)
Deep learning (DL)
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020

Deep Learning Timeline



@aszapla

AI is enjoying significant hype and investment



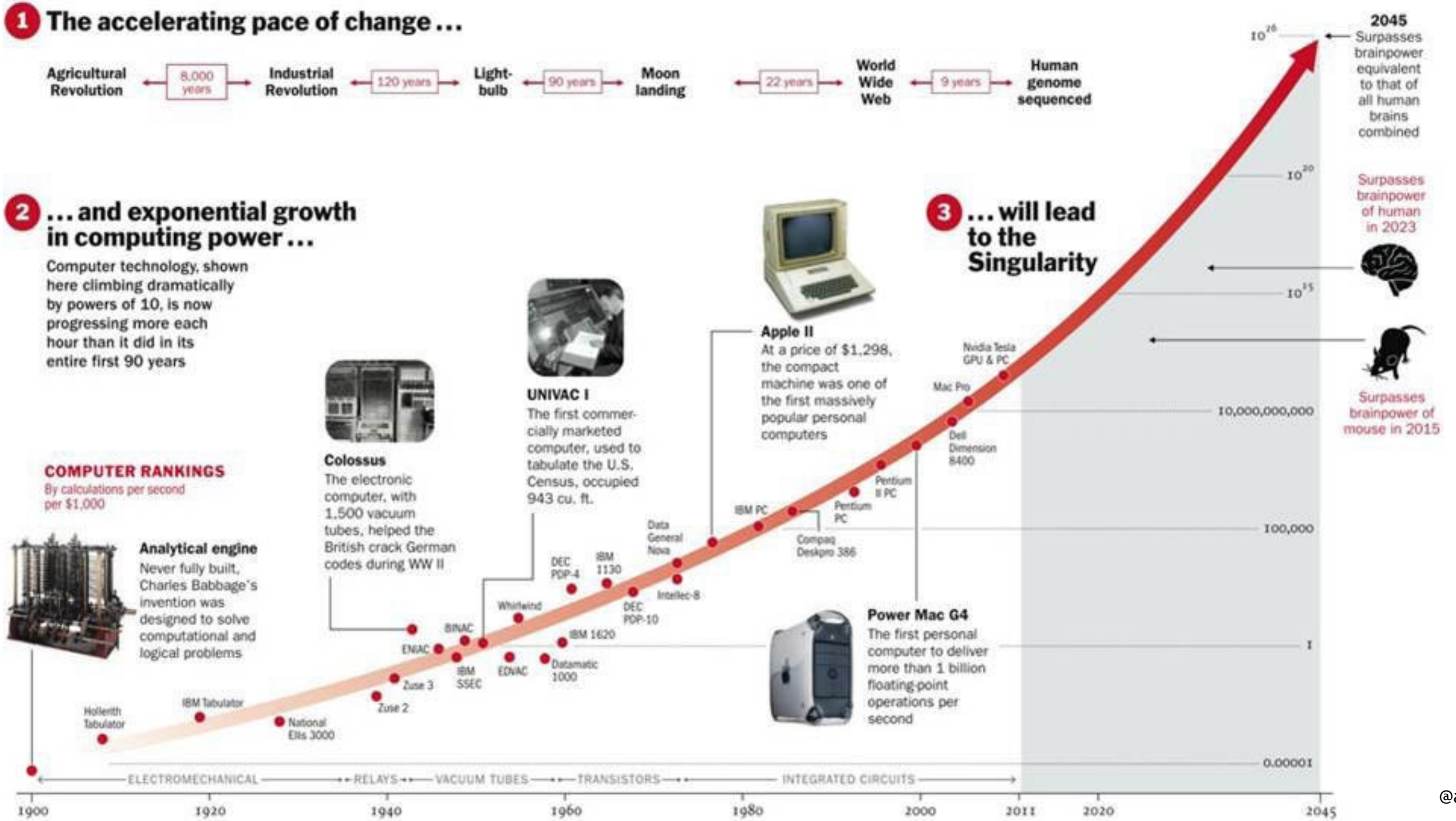
Fuente

1959: IBM 1401 “DATAMOBILE”



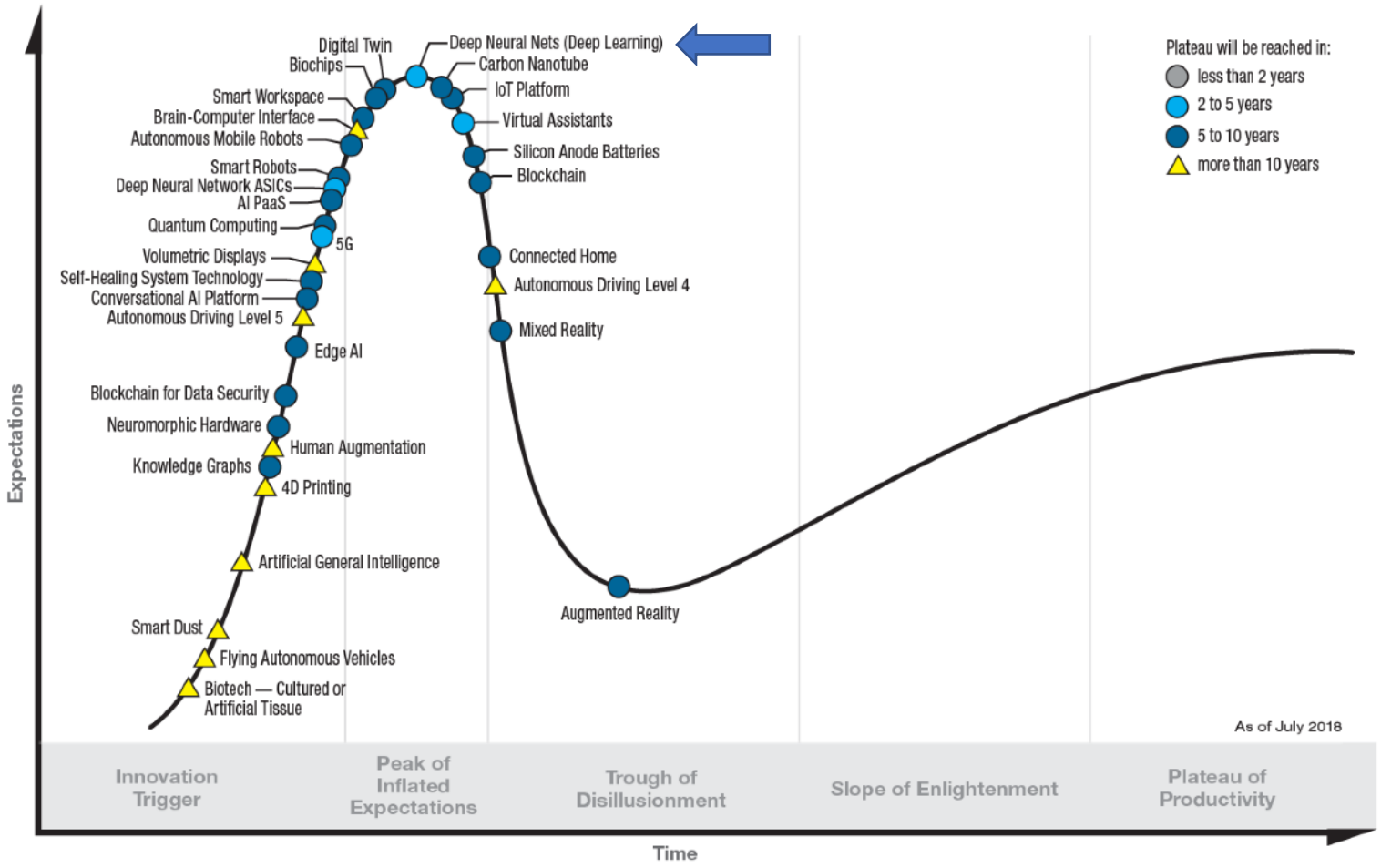

1997
rematch
GARRY
KASPAROV
DEEP
BLUE
Link

MOORE'S LAW



@aszapla

Hype Cycle for Emerging Technologies, 2018



gartner.com/SmarterWithGartner

Source: Gartner (August 2018)
© 2018 Gartner, Inc. and/or its affiliates. All rights reserved.

Gartner

@aszapla

Clasificación de la IA respecto a su nivel de competencia:

1. **IA específica**: Son sistemas capaces de realizar una tarea concreta (reconocer imágenes, procesamiento del lenguaje, ganar un juego...) incluso mejor que un humano, pero solamente esa tarea.
2. **IA general:** son sistemas que exhiben una inteligencia similar a la humana: múltiple, adaptable, flexible, eficiente, incremental.



Reglas

Datos

Programación tradicional

Respuestas

GATO



GATO

Respuestas

Datos

Machine Learning / Deep Learning

Reglas

```
[ ]  import tensorflow as tf

     from tensorflow.keras.applications import VGG16

     pre_trained_model = VGG16(input_shape = (150, 150, 3),
                               include_top = False,
                               weights = 'imagenet')


     pre_trained_model.summary()

     for layer in pre_trained_model.layers:
       layer.trainable = False
```

```
[ ]  modelFE = tf.keras.models.Sequential([
         pre_trained_model,
         tf.keras.layers.Flatten(),
         tf.keras.layers.Dense(256, activation='relu'),
         tf.keras.layers.Dense(1, activation='sigmoid')
     ])
```

```
from tensorflow.keras.optimizers import RMSprop

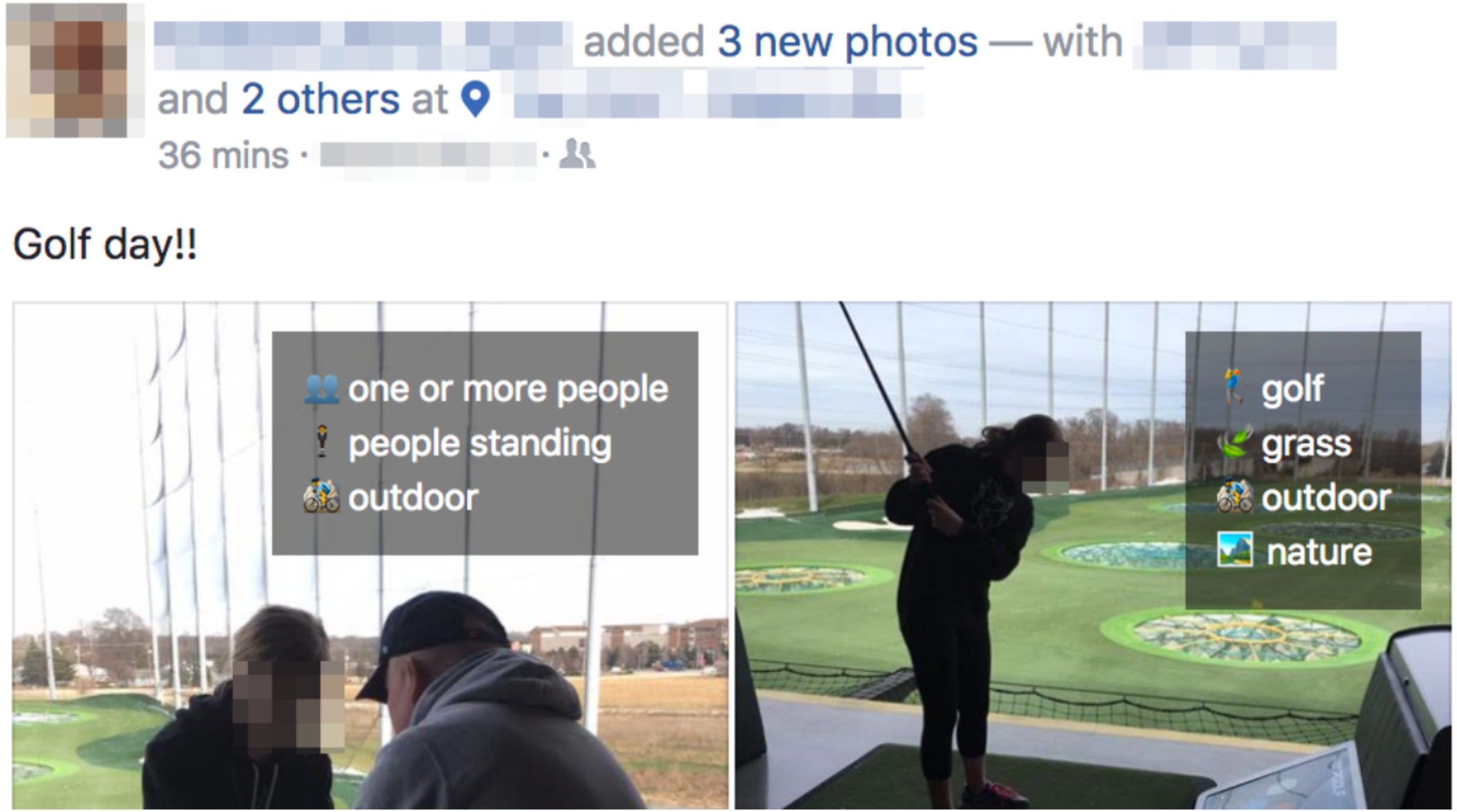
modelFE.compile(loss='binary_crossentropy',
              optimizer=RMSprop(lr=1e-4),
              metrics=['acc'])

batch_size = 20
steps_per_epoch = train_generator.n // batch_size
validation_steps = validation_generator.n // batch_size

historyFE = modelFE.fit_generator(
            train_generator,
            validation_data = validation_generator,
            steps_per_epoch = steps_per_epoch,
            epochs = 100,
            validation_steps = validation_steps,
            verbose = 2)
```

https://arxiv.org/abs/1409.1556

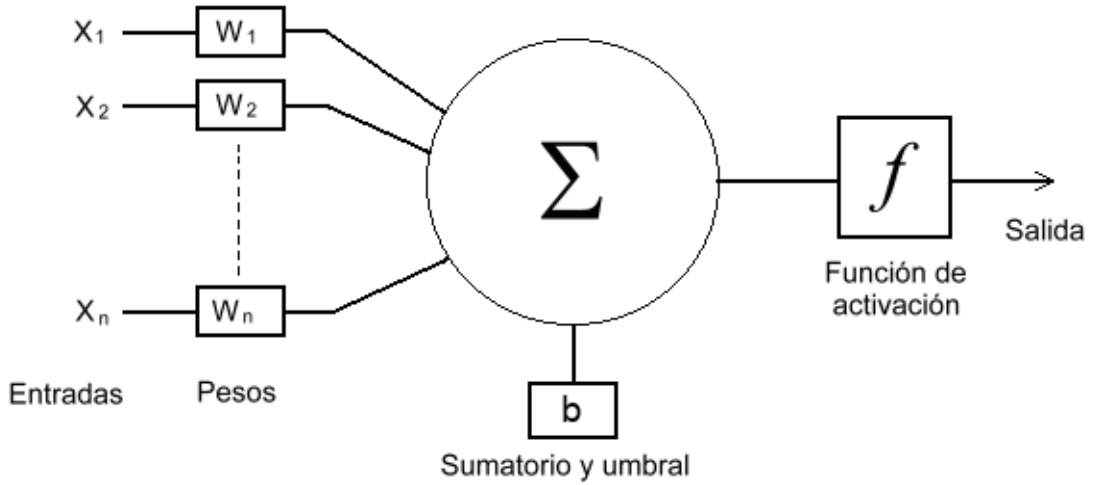
Show Facebook Computer Vision Tags Chrome Extension

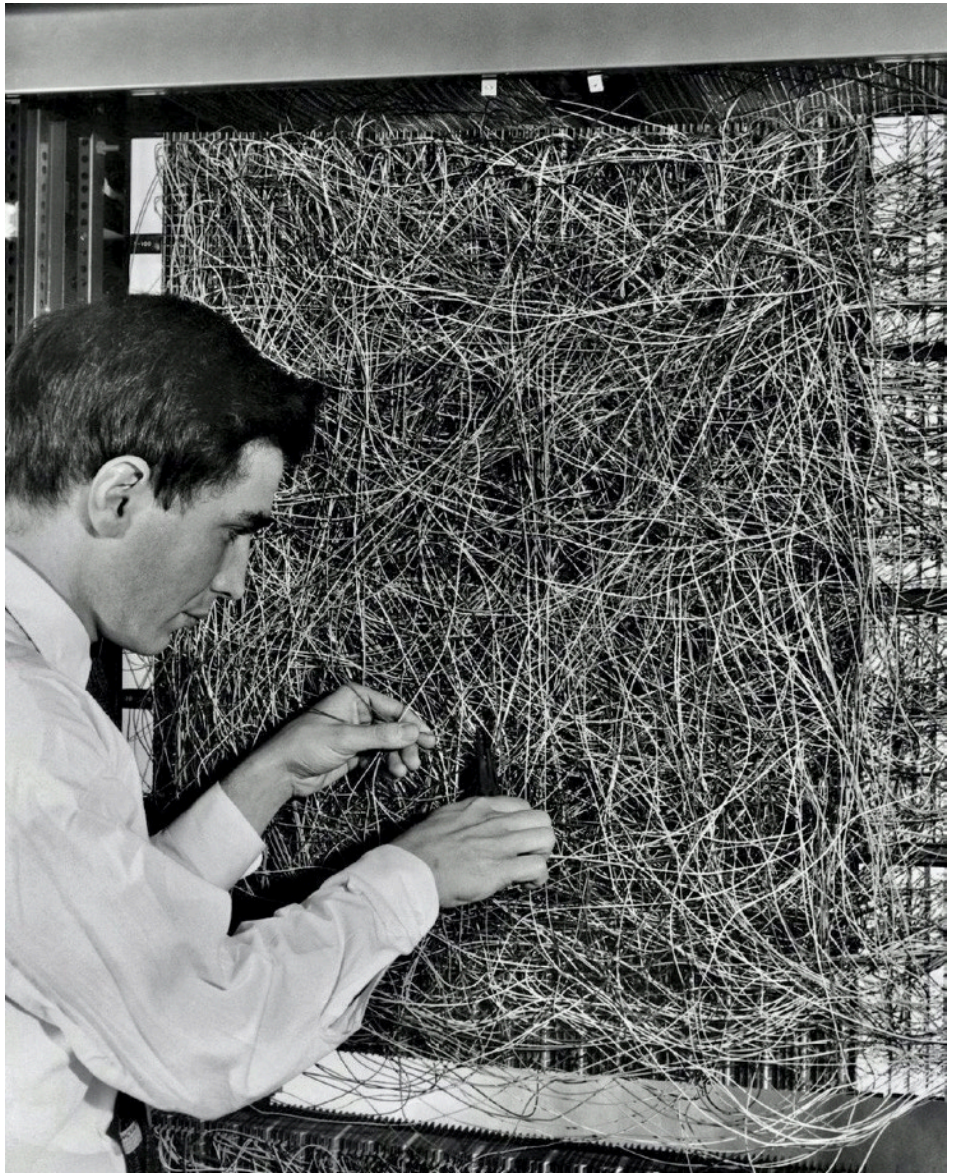


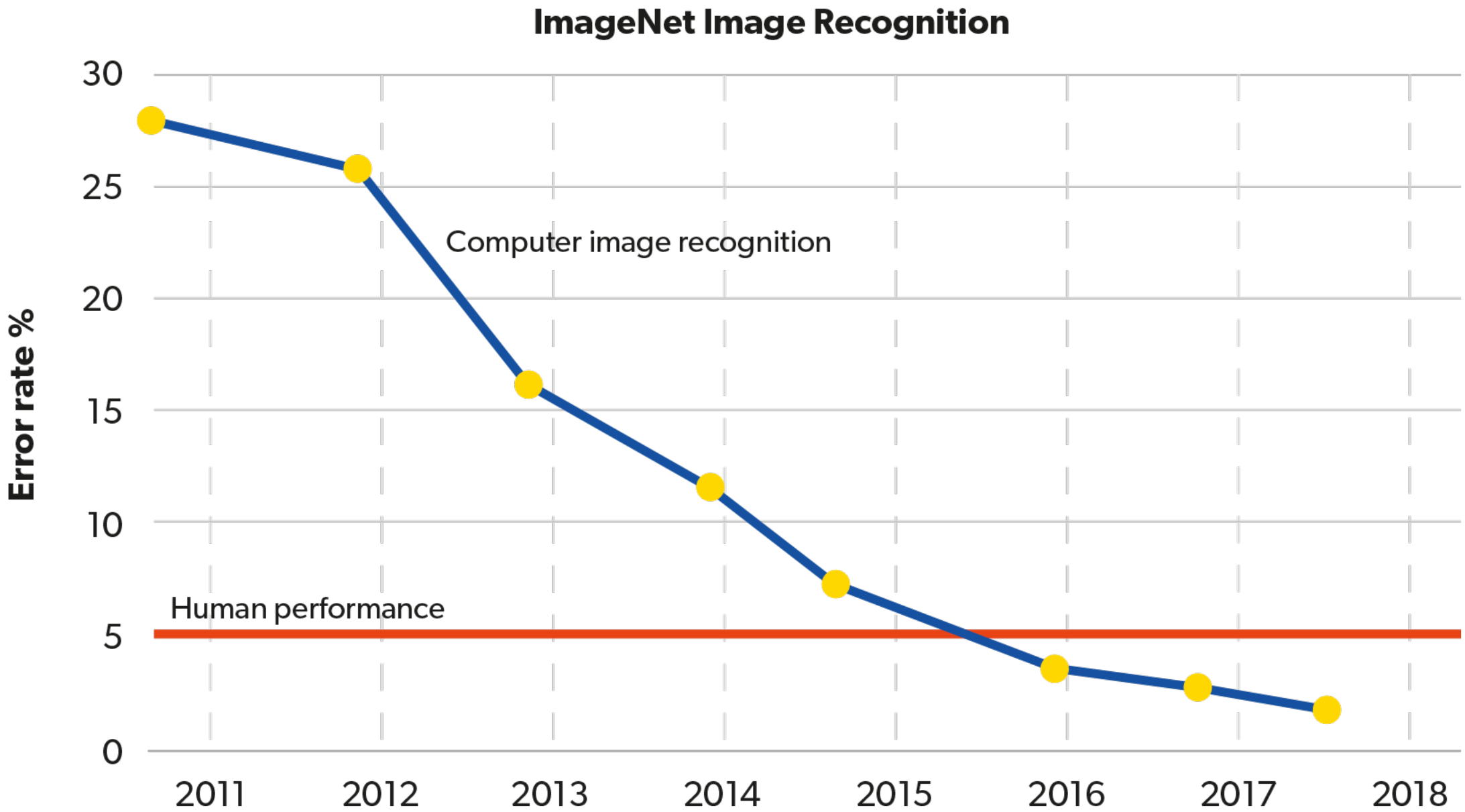
Link

SOY UN GATO




X1
W1
X2
W2
Xn
Wn
Σ
f
Salida
Función de activación
Entradas
Pesos
b
Sumatorio y umbral




ImageNet Image Recognition
Error rate %
30
25
20
15
10
5
0
Computer image recognition
Human performance
2011
2012
2013
2014
2015
2016
2017
2018

TIPOS DE ALGORITMOS DE INTELIGENCIA ARTIFICIAL

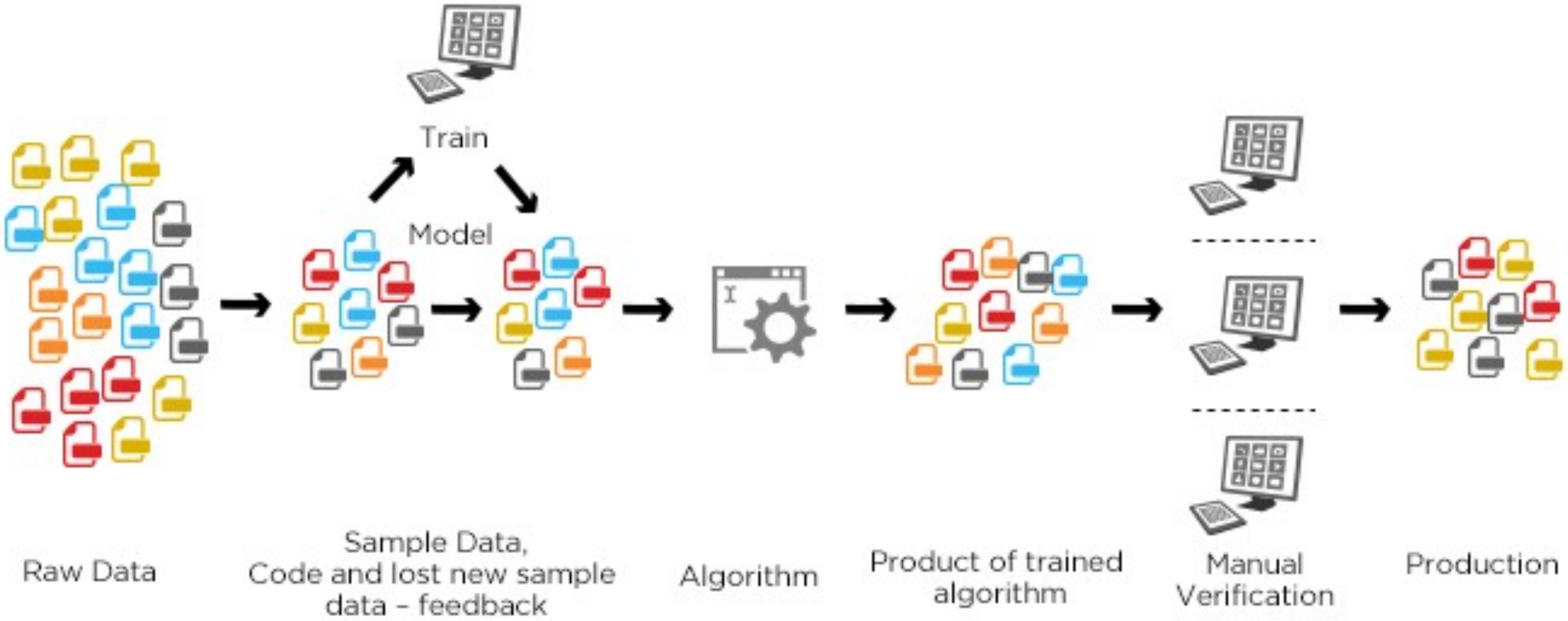
1. Aprendizaje supervisado/Supervised Learning

2. Aprendizaje no supervisado/Unsupervised

   Learning

3. Aprendizaje por refuerzo/Reinforcement

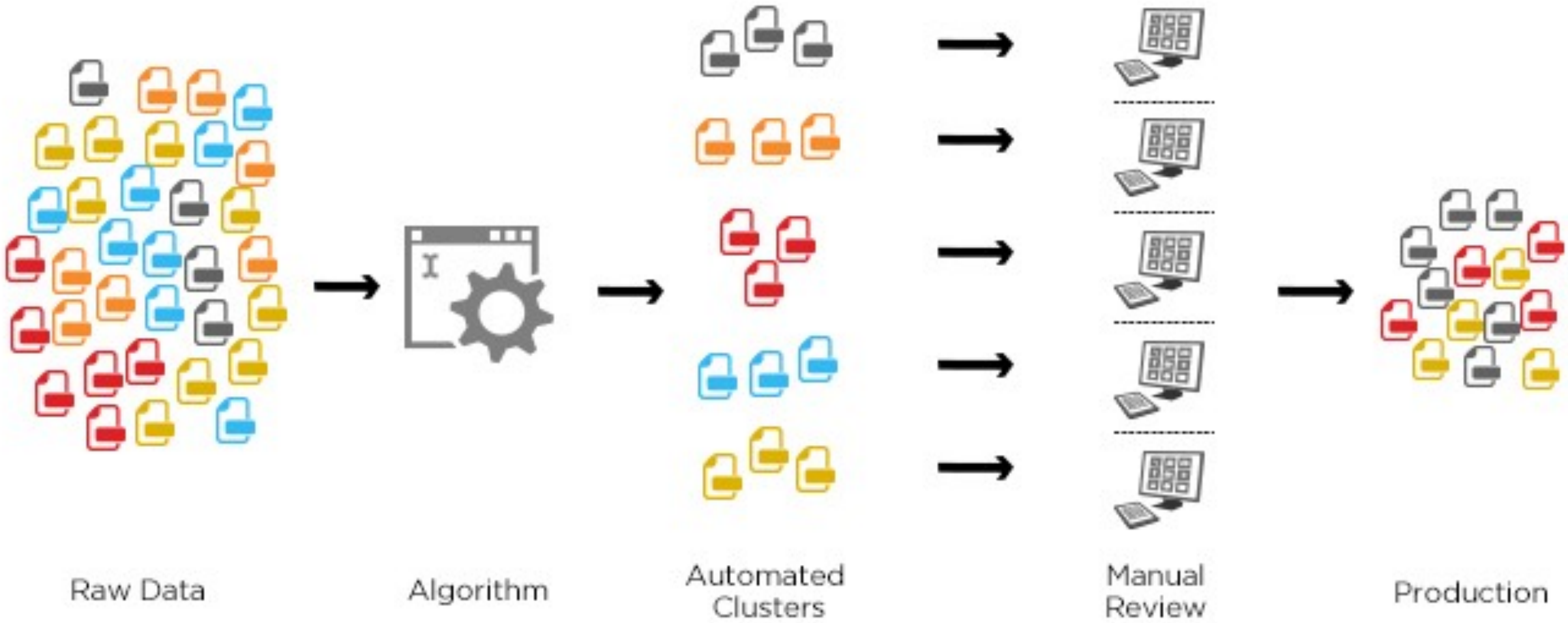
Supervised Learning

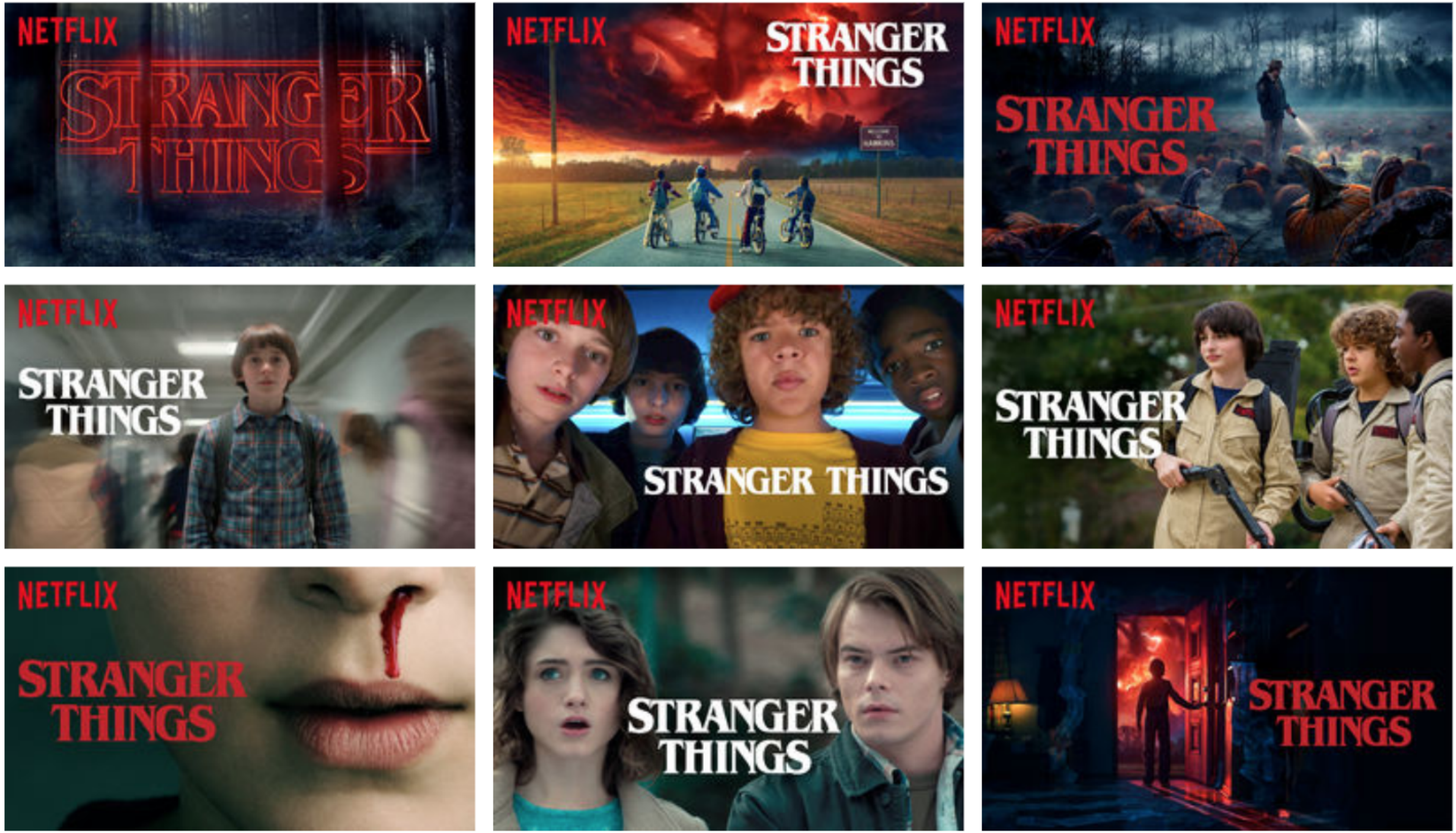



KBA
Korea Baduk Association
Google DeepMind
Challenge Match
8 - 15 March 2016
AlphaGo
ALPHAGO
00:12:30
LEE SEDOL
00:34:31
AlphaGo
Lee Sedol

simplilearn

Unsupervised Learning

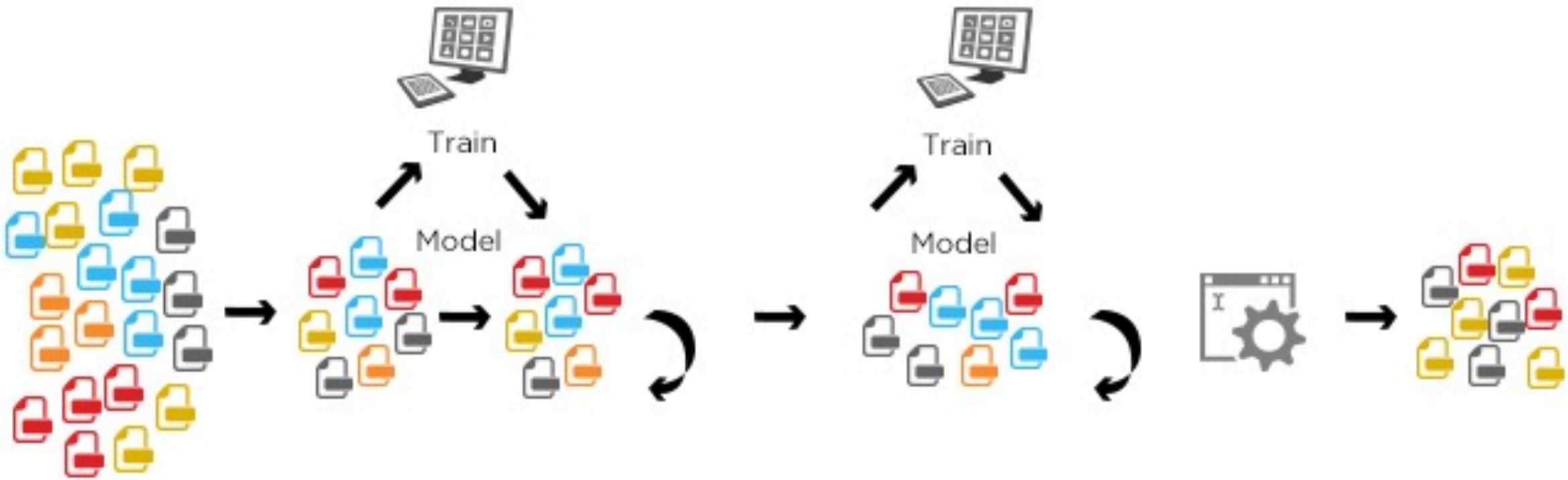


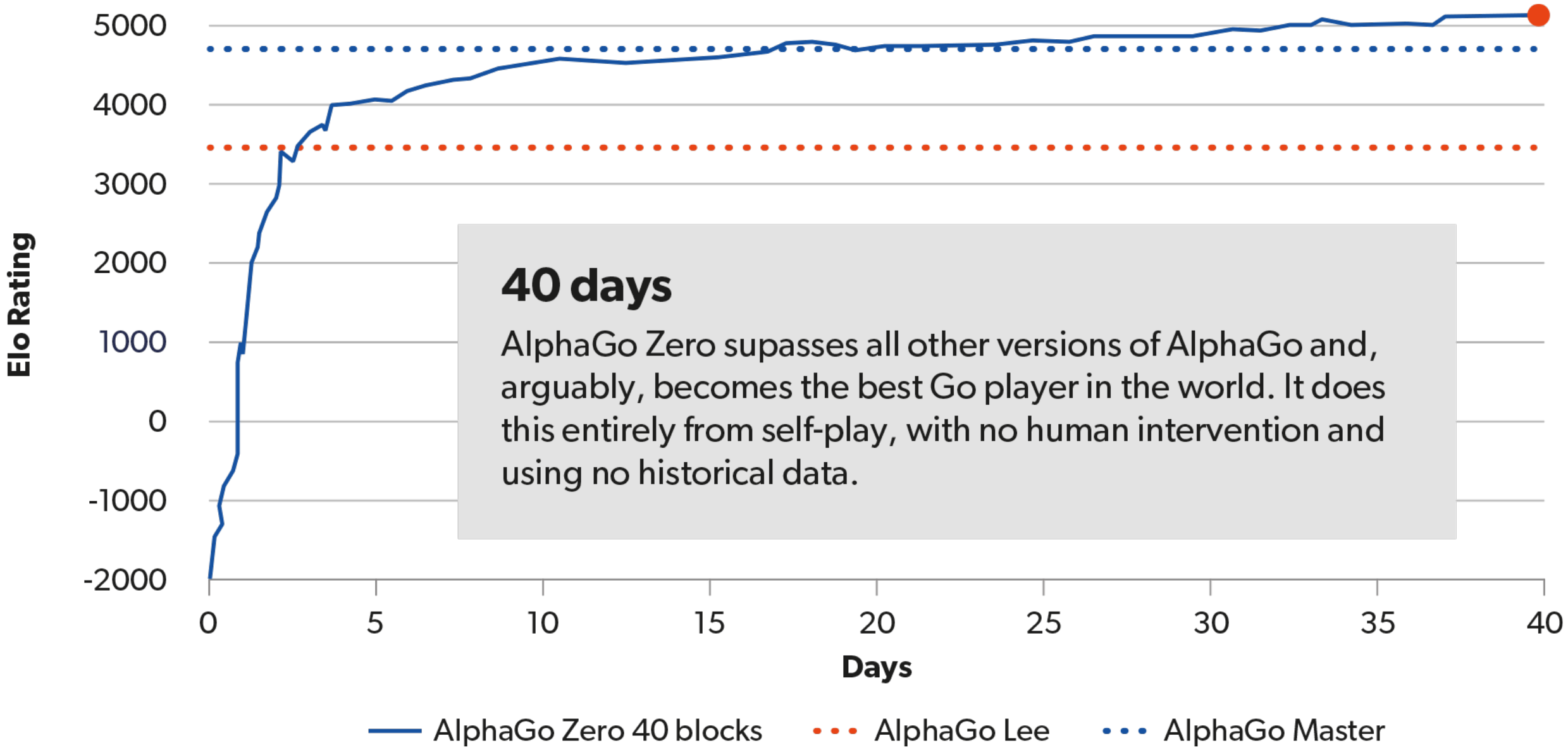


https://becominghuman.ai/how-netflix-uses-ai-and-machine-learning-a087614630fe

Reinforcement Learning

simplilearn




5000
4000
3000
2000
1000
0
-1000
-2000
Elo Rating
0
5
10
15
20
25
30
35
40
Days
40 days
AlphaGo Zero supasses all other versions of AlphaGo and, arguably, becomes the best Go player in the world. It does this entirely from self-play, with no human intervention and using no historical data.
AlphaGo Zero 40 blocks
AlphaGo Lee
AlphaGo Master

Redes GAN

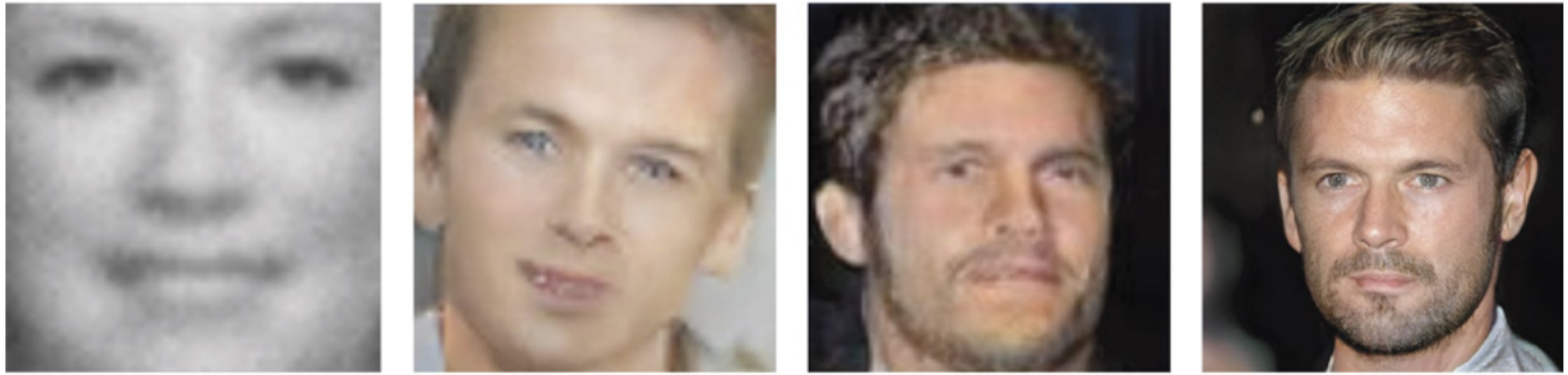


https://en.wikipedia.org/wiki/Ian_Goodfellow

https://www.infobae.com/america/tecno/2018/09/19/quien-es-el-cientifico-que-lidera-la-revolucion-creativa-de-las-maquinas/

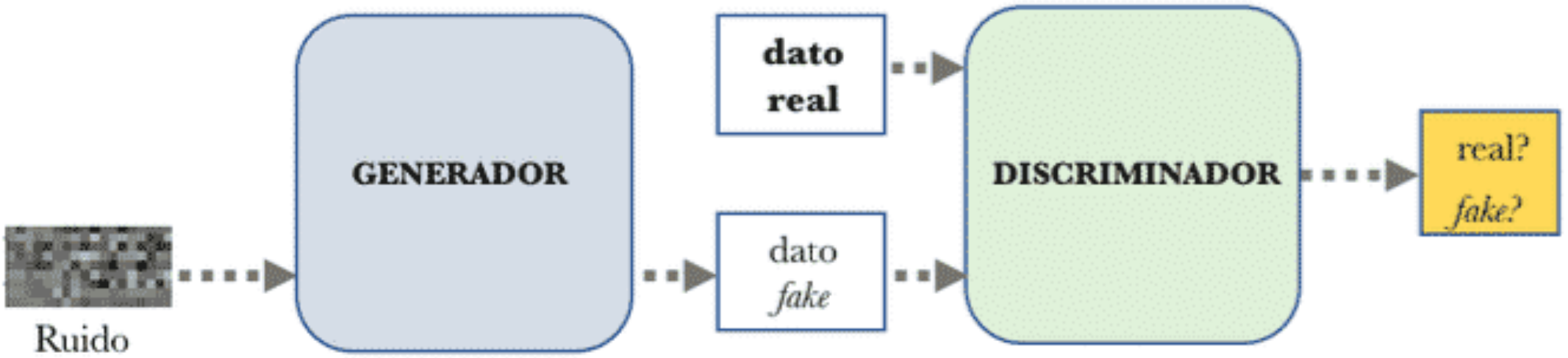
Redes GAN

Fig 98. GANs' ability to create lifelike media has rapidly improved

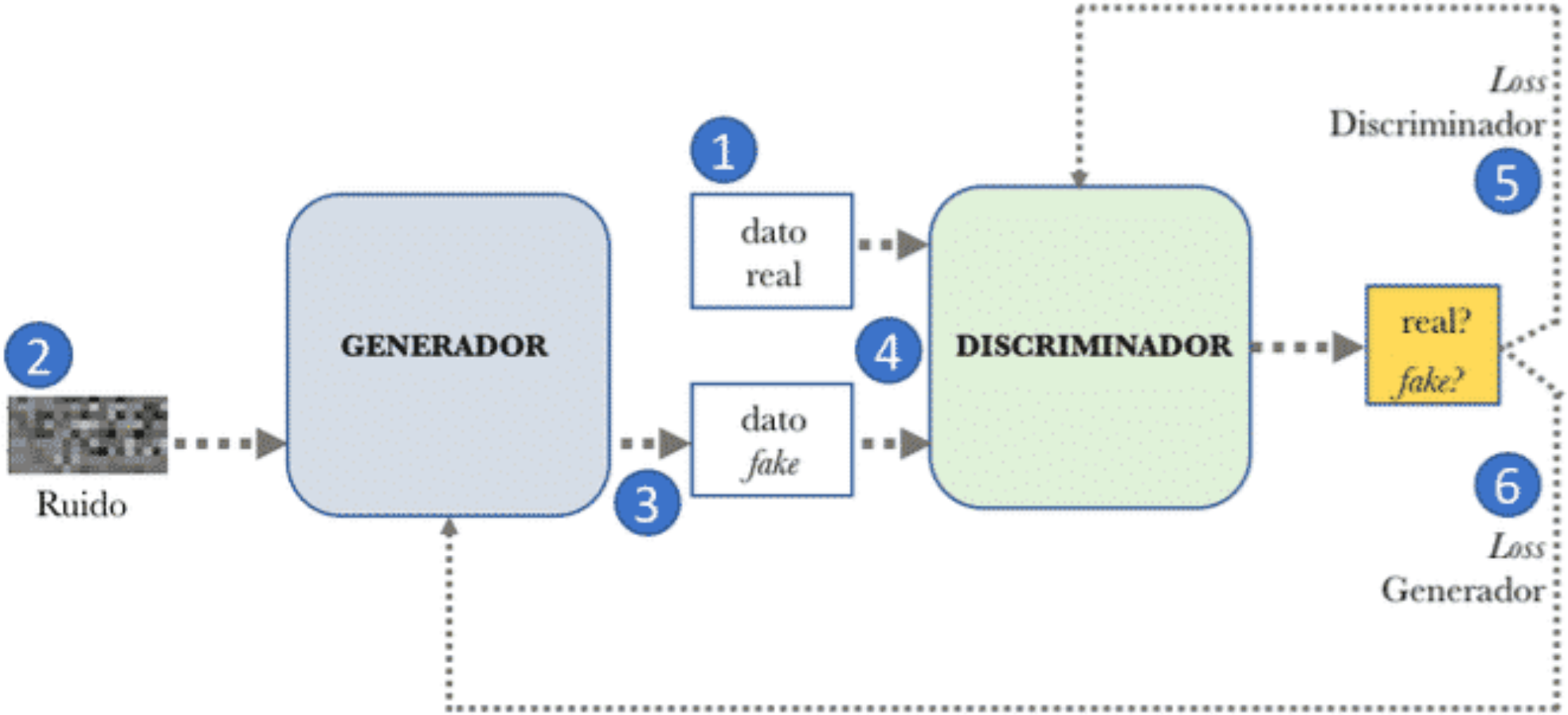


Source: Goodfellow et al, Radford et al, Liu and Tuzel, Karras et al, https://bit.ly/2GxTRot

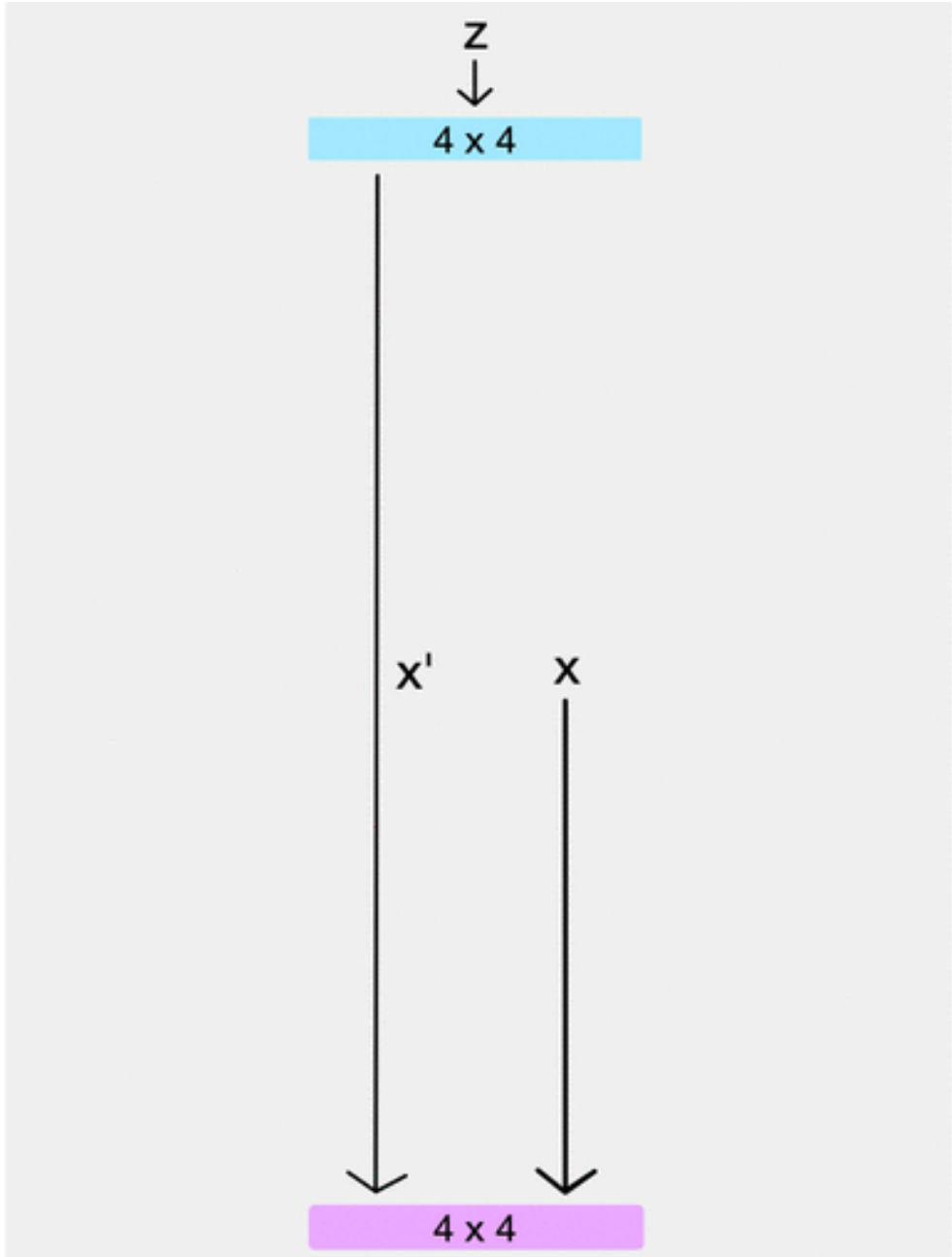
https://www.stateofai2019.com/chapter-8-the-implications-of-ai

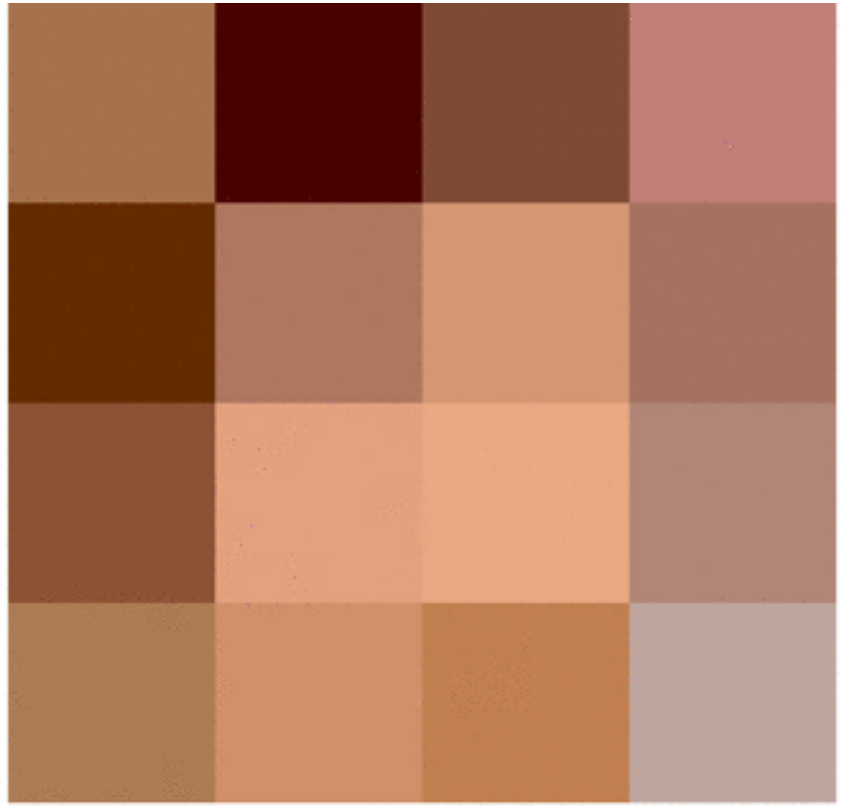


https://torres.ai/deep-learning-inteligencia-artificial-keras



https://torres.ai/deep-learning-inteligencia-artificial-keras





Training time: 0 days

4x4 resolution

Generator

Discriminator

z = random code

x = real image

x' = generated image



https://thispersondoesnotexist.com/

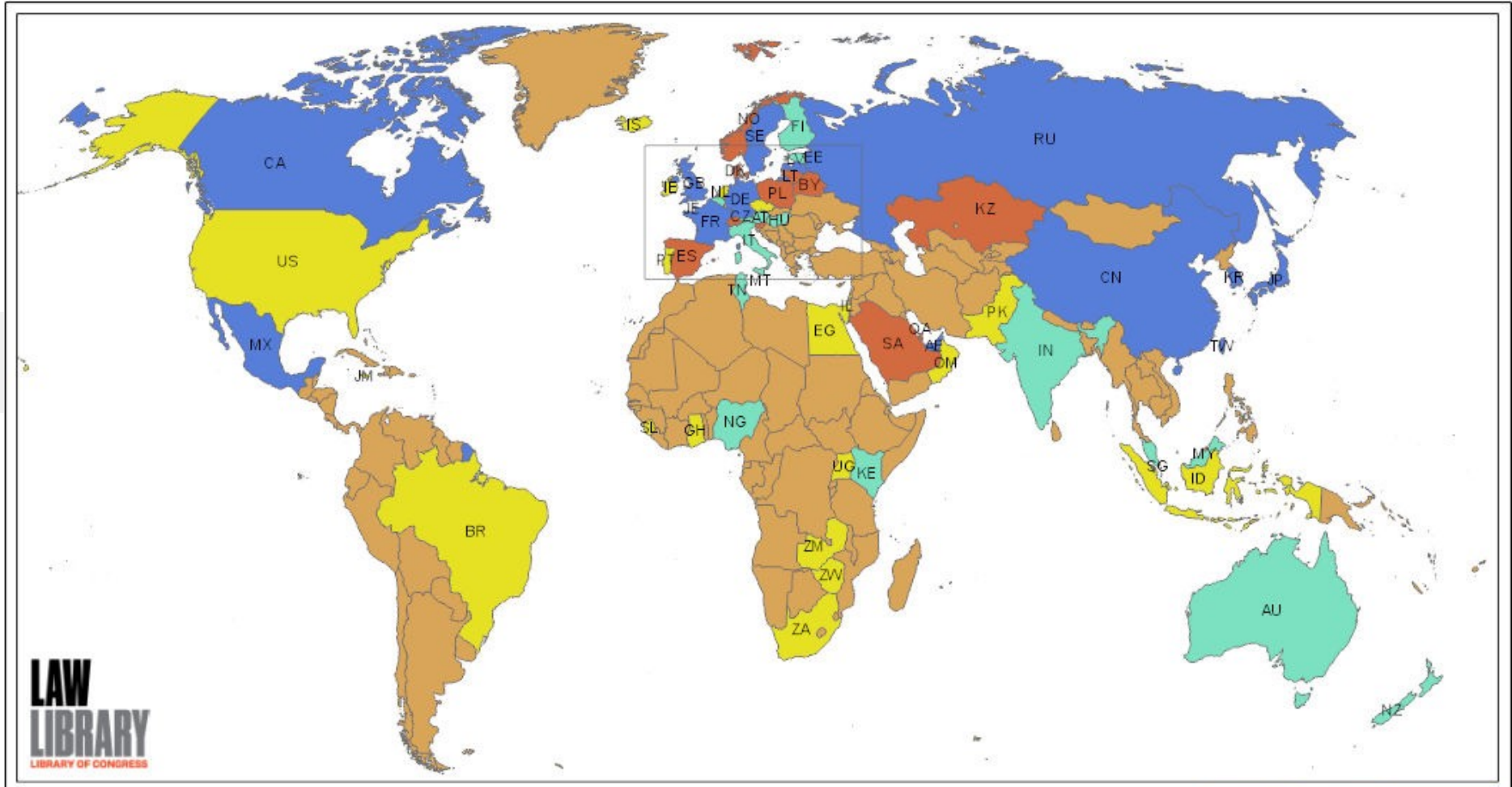
FATEN



- **F**: Fairness
- **A**: Autonomy, Accountability and intelligence Augmentation
- **T**: Trust and Transparency
- **E**: Education, bEneficence and Equality
- **N**: Non-maleficence

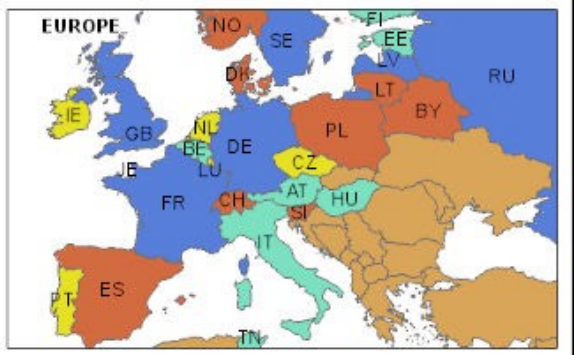
http://www.nuriaoliver.com/papers/Oliver_FATEN.pdf

4. La IA EN EL MUNDO



National AI Strategies

- Strategy/plan in place
- Part of overall digital/development strategy
- Currently developing strategy
- No national strategy
- Countries not in study



Source: Created by the Law Library of Congress based on information provided in Law Library of Congress, *Regulation of Artificial Intelligence in Selected Jurisdictions* (Jan. 2019), https://www.loc.gov/law/help/artificial-intelligence/index.php

Publicidad

Expertos internacionales afirman en Alicante que la inteligencia artificial protagonizará la cuarta revolución industrial y que España precisa una estrategia clara

- El I Congreso Internacional de Inteligencia Artificial, impulsado por SumaInnova, congregó a expertos de Apple, Amazon, Google, Microsoft o IBM en un ADDA que estuvo lleno de principio a fin con más de 1.500 asistentes



Imagen del I Congreso Internacional de Inteligencia Artificial en Alicante - ABC

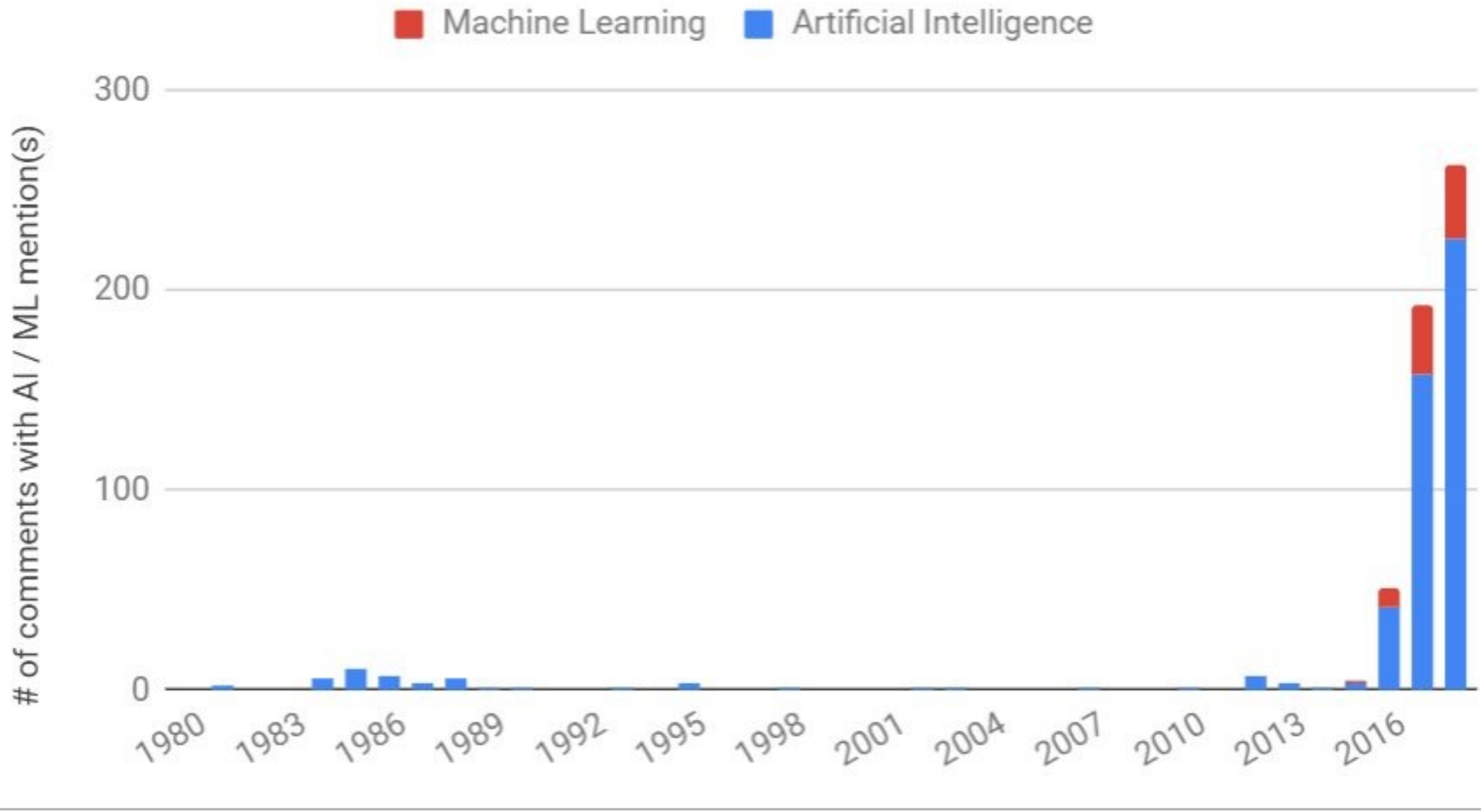
Publicidad

Link noticia

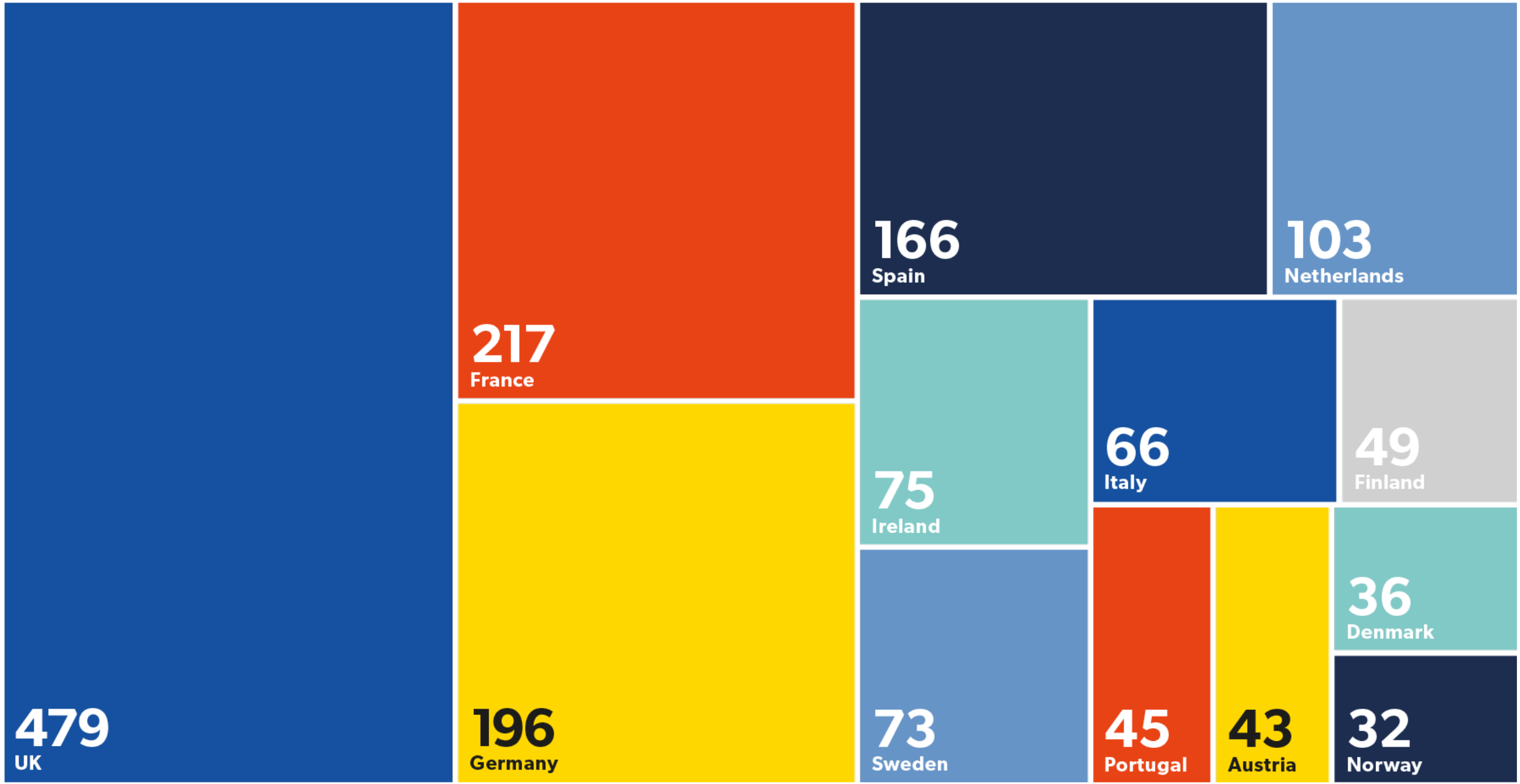
[AI Index 2018 Report]

AI and ML mentions in U.K. Parliament (1980-2018)

Source: Parliament of UK website, the McKinsey Global Institute



Europe's AI startups




2019
AI 100
CBINSIGHTS
AGRICULTURE
TARANIS
BENSON HILL BIOSYSTEMS
AUTO
drive.ai
nuro
Nexar
Mapillary
PERCEPTIVE AUTOMATA
pony.ai
DEEPMAP
MOMENTA
Iris Automation
AEYE
DEEPSCALE
HEALTHCARE
Butterfly Network
PAIGE
IDx
Atomwise
insitro
iz.ai
Niramai
LeanTaaS
ARTERYS
mindstrong
Qventus
gauss
OWKIN
medopad
GOVERNMENT
Face++ 旷视
one concern
SHIELD AI
FORTEM TECHNOLOGIES
依图 | YITU
商汤 sensetime
FINANCE & INSURANCE
4Paradigm
DATAVISOR
BEHAVOX
AppZen
BIOCATCH Less Friction · Less Fraud
(h[s]) HYPERSCIENCE
SEMICONDUCTOR
cerebras
Horizon Robotics
GRAPHCORE
MYTHIC
habana
thinci
SYNTIANT
TELECOM
Mist
INDUSTRIALS
sense
KEBOTIX
zymergen
falkonry
C3.ai
LANDING AI
RETAIL
twentybn
SIGNIFYD
ABEJA
AiFi
sift
MEDIA
AI FOUNDATION
ARRAIY
New Knowledge
REAL ESTATE
HOVER
SKYLINE
LEGAL, COMPLIANCE, & HR
EigenTechnologies
onfido
LawGeex
textio
ENTERPRISE TECH
TRAINING DATA
AI.REVERIE
defined crowd
Mighty AI
DATA MANAGEMENT
dataiku
dremio
MACHINIFY
H2O.ai
TRIFACTA
tamr
DataRobot
SIGOPT
CYBERSECURITY
AGARI
anodot
AREA 1
perimeterx
JASK
DEMISTO
VECTRA
SHAPE SECURITY
ADS, SALES, & MARKETING
GONG
Unbabel
gamalon
fullstory
bouncex
OTHER APPLICATIONS
AUTOMATION ANYWHERE
UiPath
ELEMENT AI
Descartes Labs
sparkcognition
Orbital Insight
PROWLER.io the decision company
SOFTWARE DEVELOPMENT
applitools
mabl



AI-100

Quick facts

$11.7B
Equity funding

367
Equity deals

1031
Unique investors

11
Unicorns

*as of 12/8/17

Artificial Intelligence: Largest US deals of Q1'19

Company	*Location*	*Sector*	*Industry*	*Stage of Funding*	*$ Value of Deal*	*Select Investors*
Nuro	Mountain View, CA	Automotive & Transportation	Automobile Manufacturing		**$940M**	SoftBank Group
Figure Technologies	San Francisco, CA	Internet	Internet Software & Services		**$65M**	DCM Ventures, DST Global, Morgan Creek Capital Management, Nimble Ventures
Ojo Labs	Austin, TX	Mobile & Telecommunications	Mobile Software & Services		**$45M**	LiveOak Venture Partners, Royal Bank of Canada
PerimeterX	San Mateo, CA	Internet	Internet Software & Services		**$43M**	Adams Street Partners, Canaan Partners, Data Collective
Saama Technologies	Campbell, CA	Software (non-internet/mobile)	Business Intelligence		**$40M**	Perceptive Advisors
Gong	San Francisco, CA	Internet	Internet Software & Services		**$40M**	Battery Ventures, Norwest Venture Partners, Cisco Investments



PwC | CB Insights MoneyTree™ Report Q1 2019

source pwc via @mikequindazzi



Horizon Robotics

https://www.youtube.com/watch?v=vA-NrRJcqcg



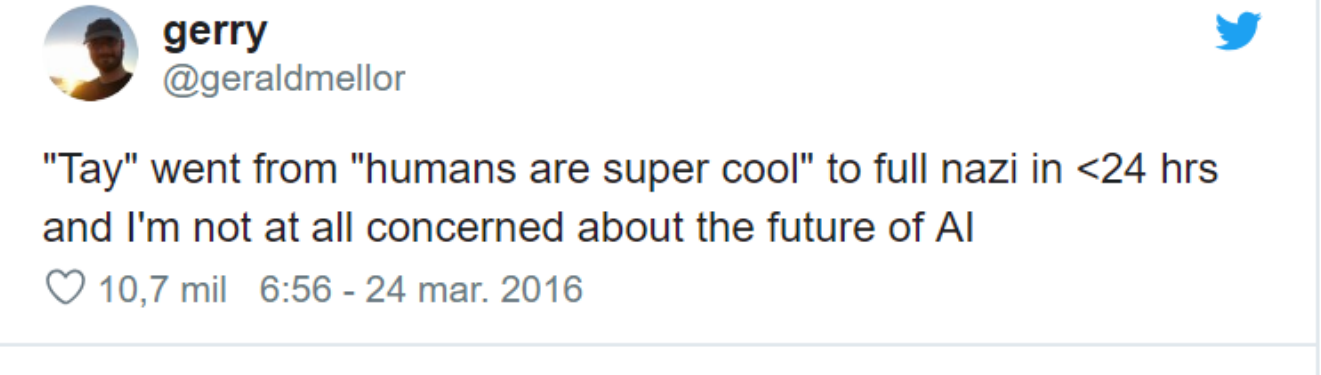
https://www.youtube.com/watch?v=2sTgiGgaauk

https://www.youtube.com/watch?v=JoqZmPnqH3M

Xiaoice (Chinese: 微软小冰)







Statistics [edit]

- Over 660 million registered users[6]
- 5.11 million followers on Weibo

https://www.youtube.com/watch?v=z3jqlGT-kmg

https://www.youtube.com/watch?v=vo8LKD4uWVY

Timeline for #AI life events

2018	Today
2020	Compete in World Series of Poker
2024	Code in Python
2026	Write high school essay
2027	Generate top 40 pop song
2028	Generate creative video
2049	Write New York Times bestseller
2050	Compete in Putnam Math competition
2059	Conduct maths research

Source: World Economic Forum, Future of Humanity Institute, Oxford University, Department of Political Science, Yale University **source wef via @mikequindazzi**

Artificial intelligence (AI)

New AI fake text generator may be too dangerous to release, say creators

The Elon Musk-backed nonprofit company OpenAI declines to release research publicly for fear of misuse

Alex Hern
@alexhern

Thu 14 Feb 2019
17.00 GMT

14k 572



▲ The AI wrote a new passage of fiction set in China after being fed the opening line of Nineteen Eighty-Four by George Orwell (pictured). Photograph: Mondadori/Getty Images

OpenAI

GPT-2

OpenAI

Talk to Transformer

See how a modern neural network completes your text. Type a custom snippet or try one of the examples. Learn more below.

Follow @AdamDanielKing for more neat neural networks.

Custom prompt

Type something and a neural network will guess what comes next.

COMPLETE TEXT

https://talktotransformer.com/



Seguir

wint but AI

@dril_gpt2

Human-curated, AI-generated tweets in the style of @dril. By @kingdomakrillic 774M GPT-2 model: bit.ly/2Zy8q6c

Traducir la biografía

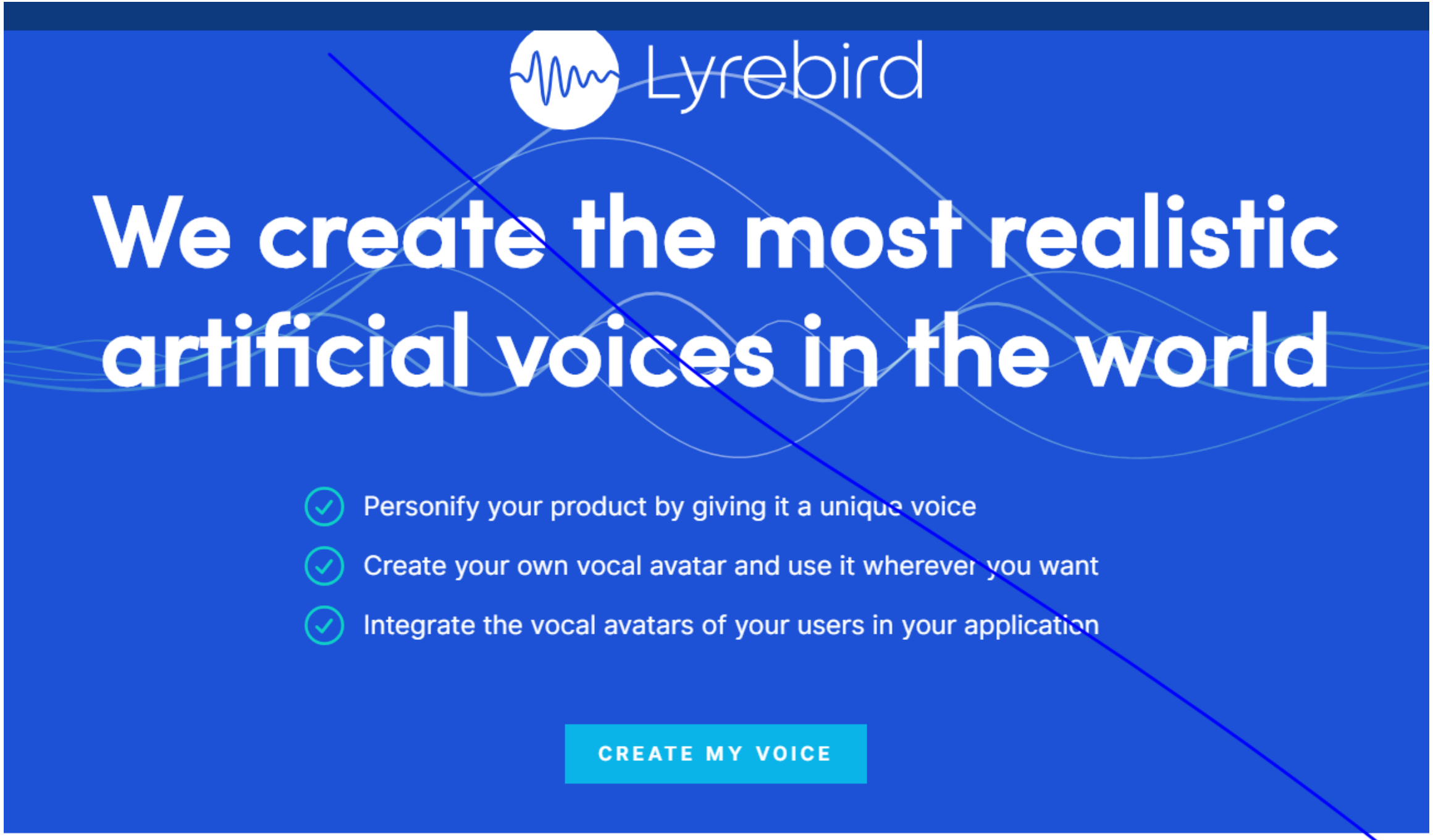
N/A Se unió el septiembre de 2019

4 Siguiendo **16,8 mil** seguidores

https://twitter.com/dril_gpt2

GLUE SuperGLUE Paper Code Tasks Leaderboard FAQ Diagnostics Submit Login

Rank	Name	Model	URL	Score	CoLA	SST-2	MRPC	STS-B	QQP	MNLI-m	MNLI-mm	QNLI	RTE	WNLI	AX
1	ERNIE Team - Baidu	ERNIE		90.1	72.2	97.5	93.0/90.7	92.9/92.5	75.2/90.8	91.2	90.6	98.0	90.4	94.5	49.4
2	Microsoft D365 AI & MSR AI & GATECH	MT-DNN-SMART		89.9	69.5	97.5	93.7/91.6	92.9/92.5	73.9/90.2	91.0	90.8	99.2	89.7	94.5	50.2
3	T5 Team - Google	T5		89.7	70.8	97.1	91.9/89.2	92.5/92.1	74.6/90.4	92.0	91.7	96.7	92.5	93.2	53.1
4	王玮	ALICE v2 large ensemble (Alibaba DAMO NLP)		89.5	71.3	97.1	93.9/91.9	93.0/92.5	74.8/91.0	90.7	90.4	99.2	87.4	91.8	48.4
5	XLNet Team	XLNet (ensemble)		89.5	70.2	97.1	92.9/90.5	93.0/92.6	74.7/90.4	90.9	90.9	99.0	88.5	92.5	48.4
6	ALBERT-Team Google Language	ALBERT (Ensemble)		89.4	69.1	97.1	93.4/91.2	92.5/92.0	74.2/90.5	91.3	91.0	99.2	89.2	91.8	50.2
7	Microsoft D365 AI & UMD	FreeLB-RoBERTa (ensemble)		88.8	68.0	96.8	93.1/90.8	92.4/92.2	74.8/90.3	91.1	90.7	98.8	88.7	89.0	50.1
8	Facebook AI	RoBERTa		88.5	67.8	96.7	92.3/89.8	92.2/91.9	74.3/90.2	90.8	90.2	98.9	88.2	89.0	48.7
9	Junjie Yang	HIRE-RoBERTa		88.3	68.6	97.1	93.0/90.7	92.4/92.0	74.3/90.2	90.7	90.4	95.5	87.9	89.0	49.3



https://lyrebird.ai/

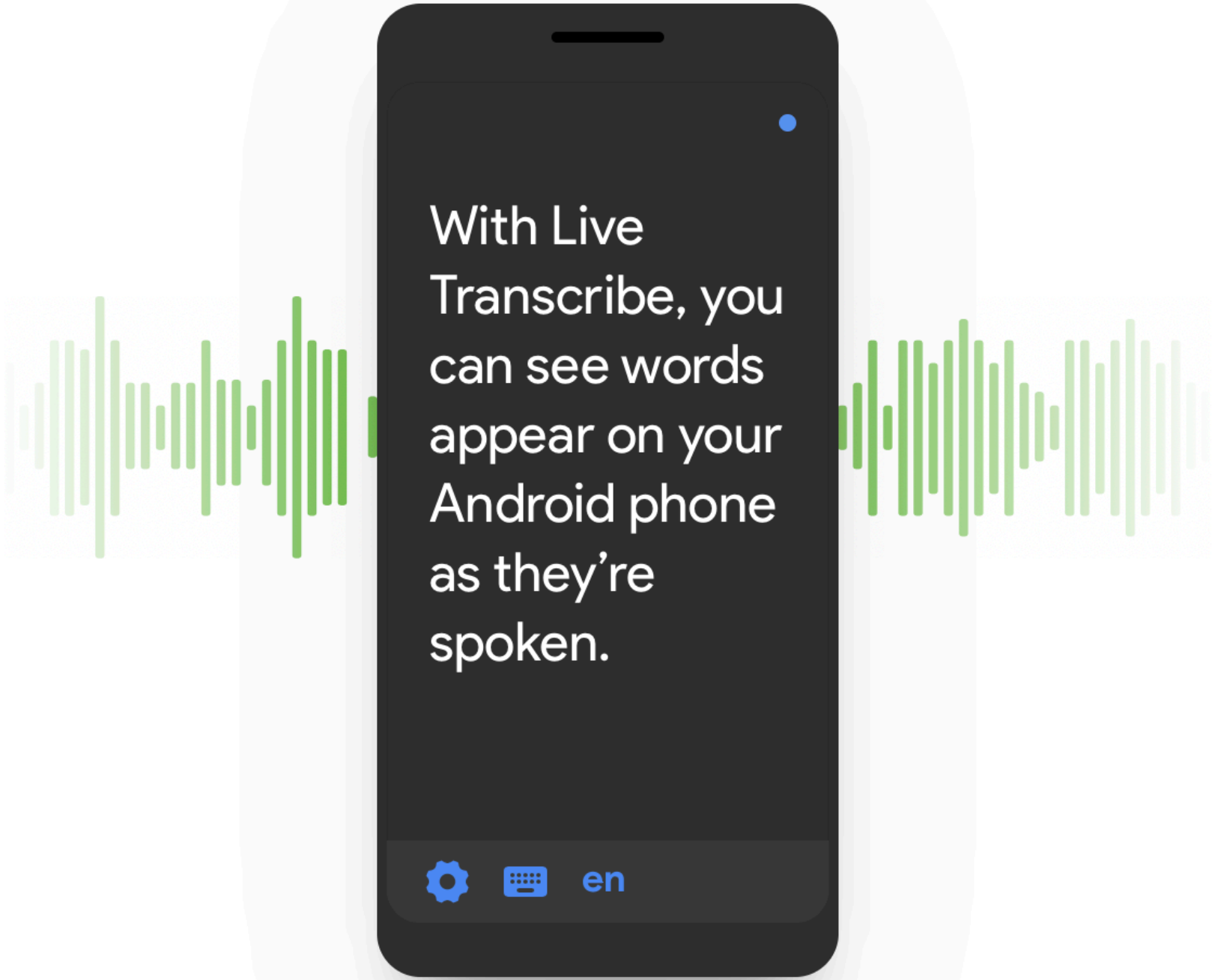
APPS PODCASTS TECH

Descript's new podcast editor includes an AI voice double for dubbing over mistakes

Descript's reimagining of audio editing software is now available for everyone

https://www.youtube.com/watch?time_continue=7&v=Maz0TVyTwiw&feature=emb_logo

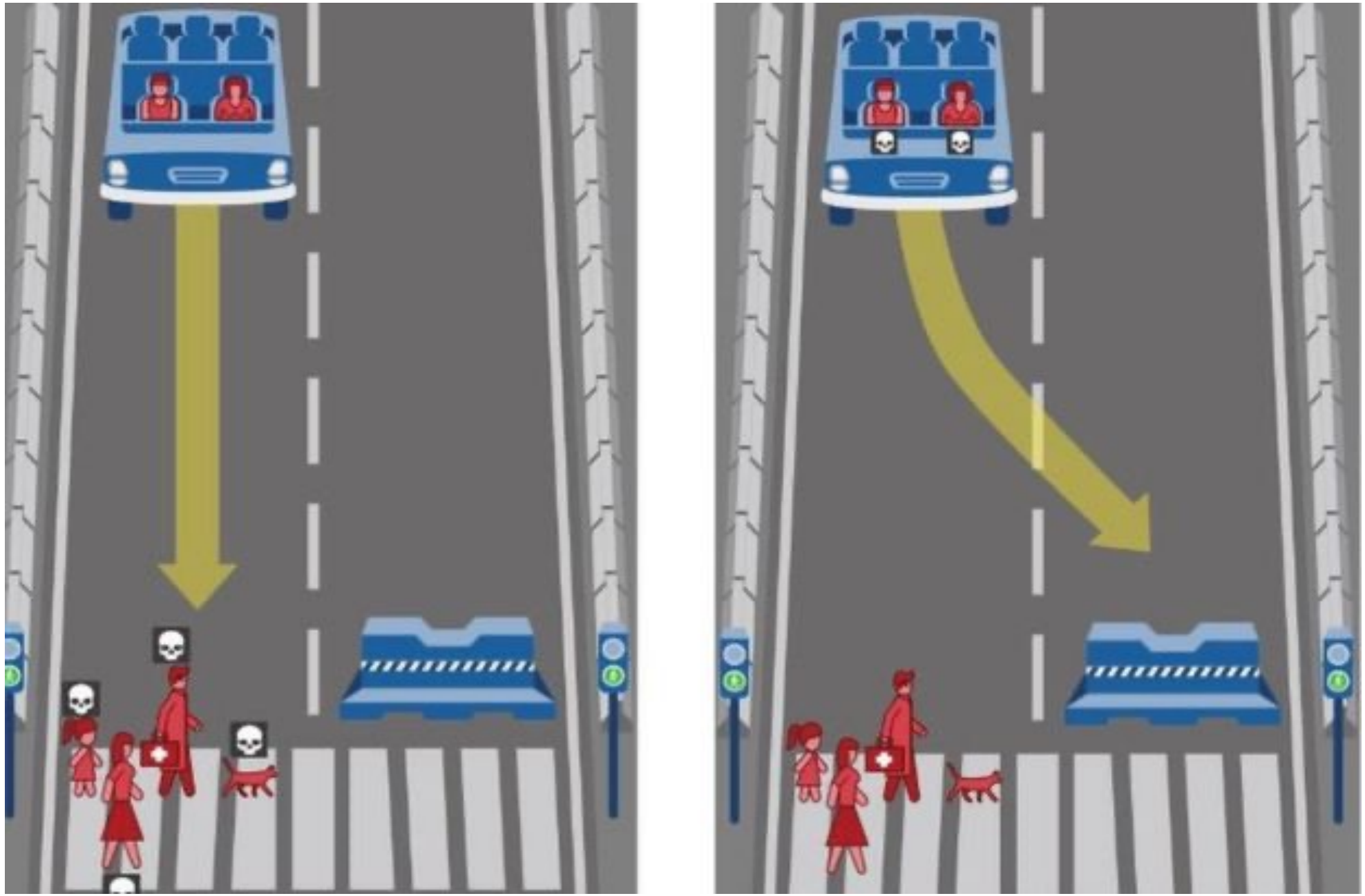




https://www.youtube.com/watch?v=jLCwjlaPXwA&feature=youtu.be

5. LA IA NO ES INFALIBLE





http://moralmachine.mit.edu/



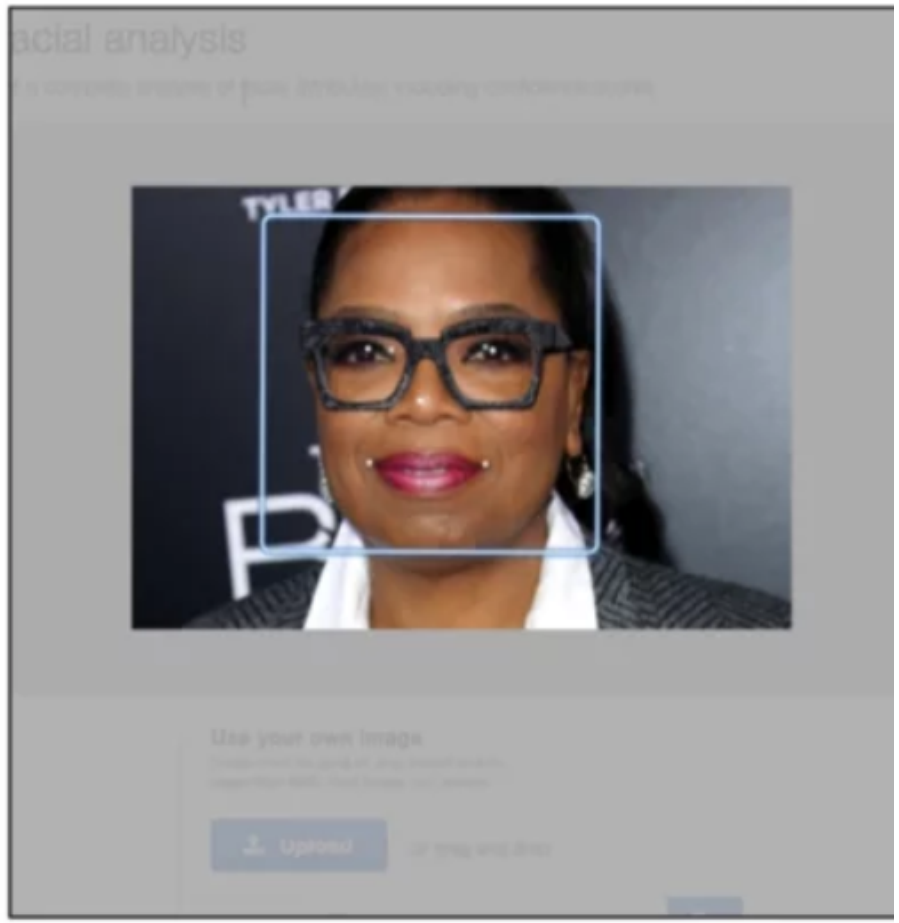
Bilal Farooqui
@bilalfarooqui

Our D.C. office building got a security robot. It drowned itself.

We were promised flying cars, instead we got suicidal robots.

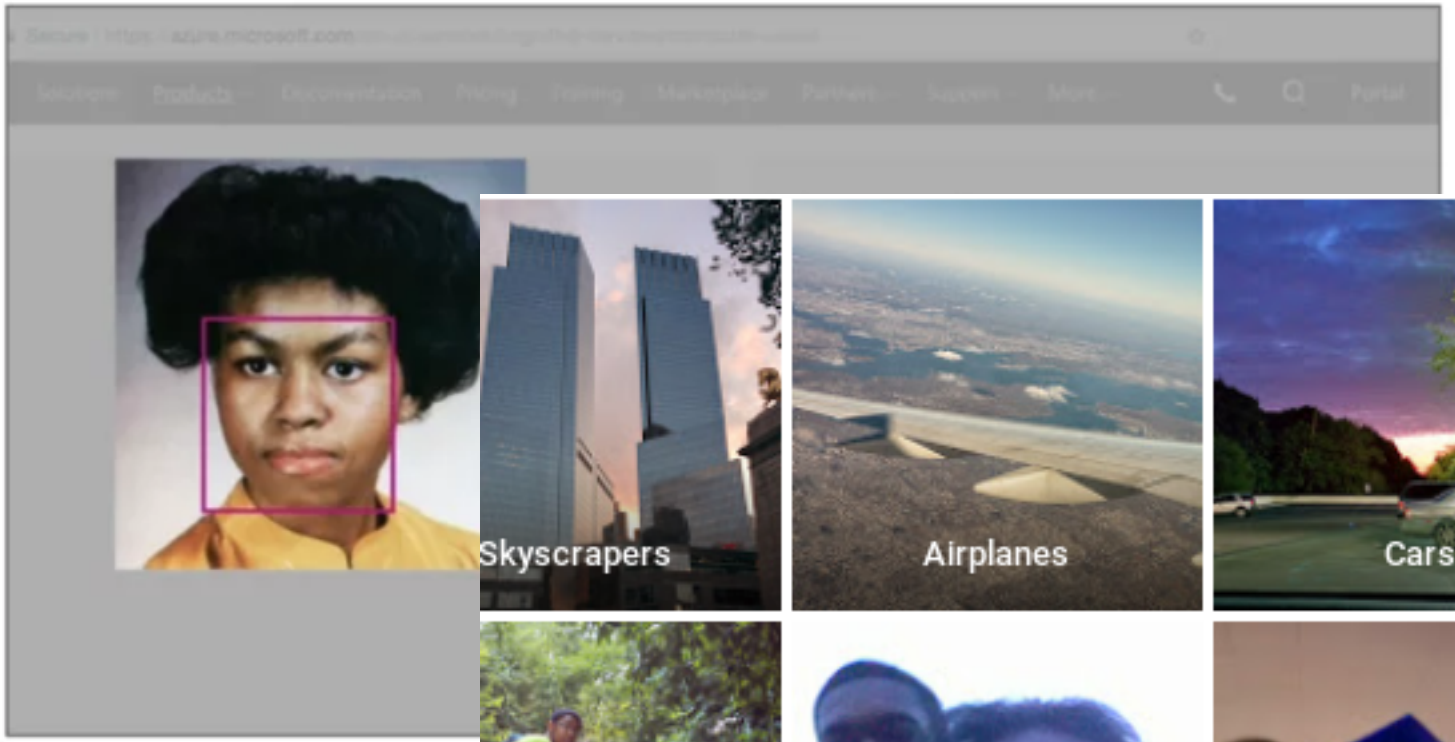
♡ 301 mil 20:05 - 17 jul. 2017

Oprah Wi



amaz

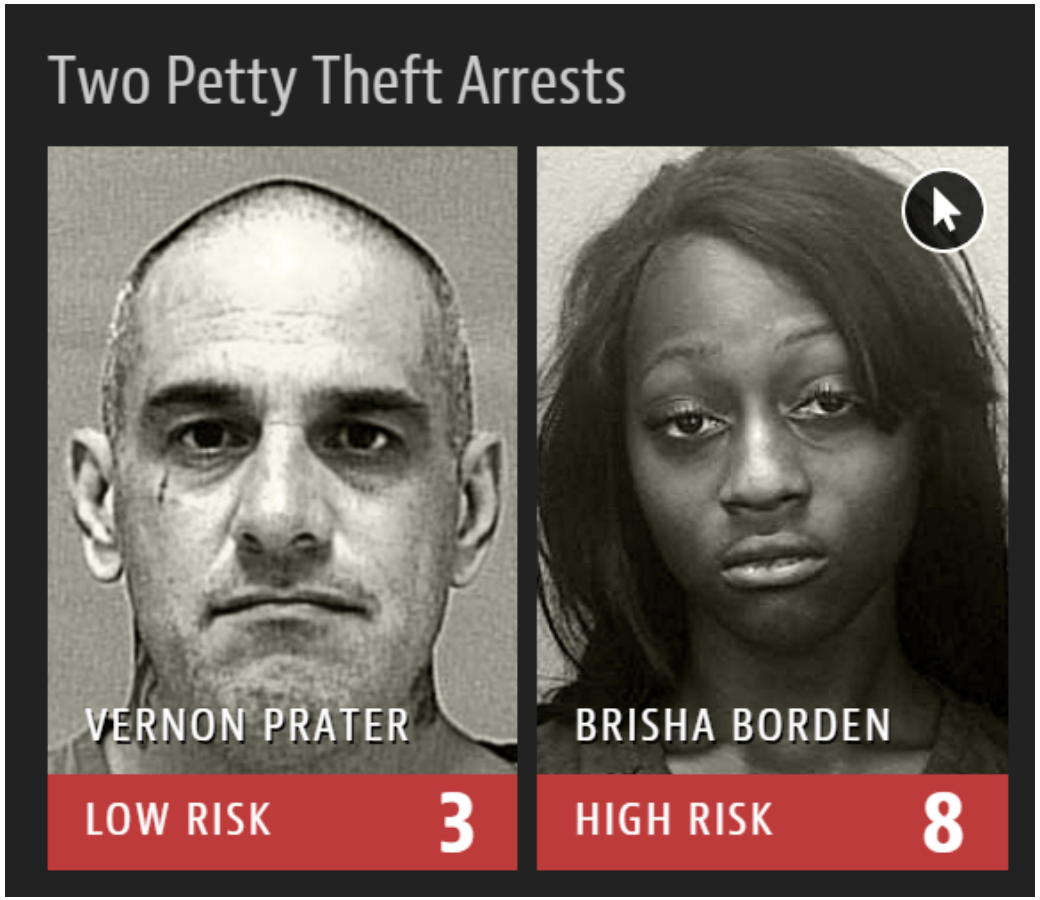
Michelle Obama

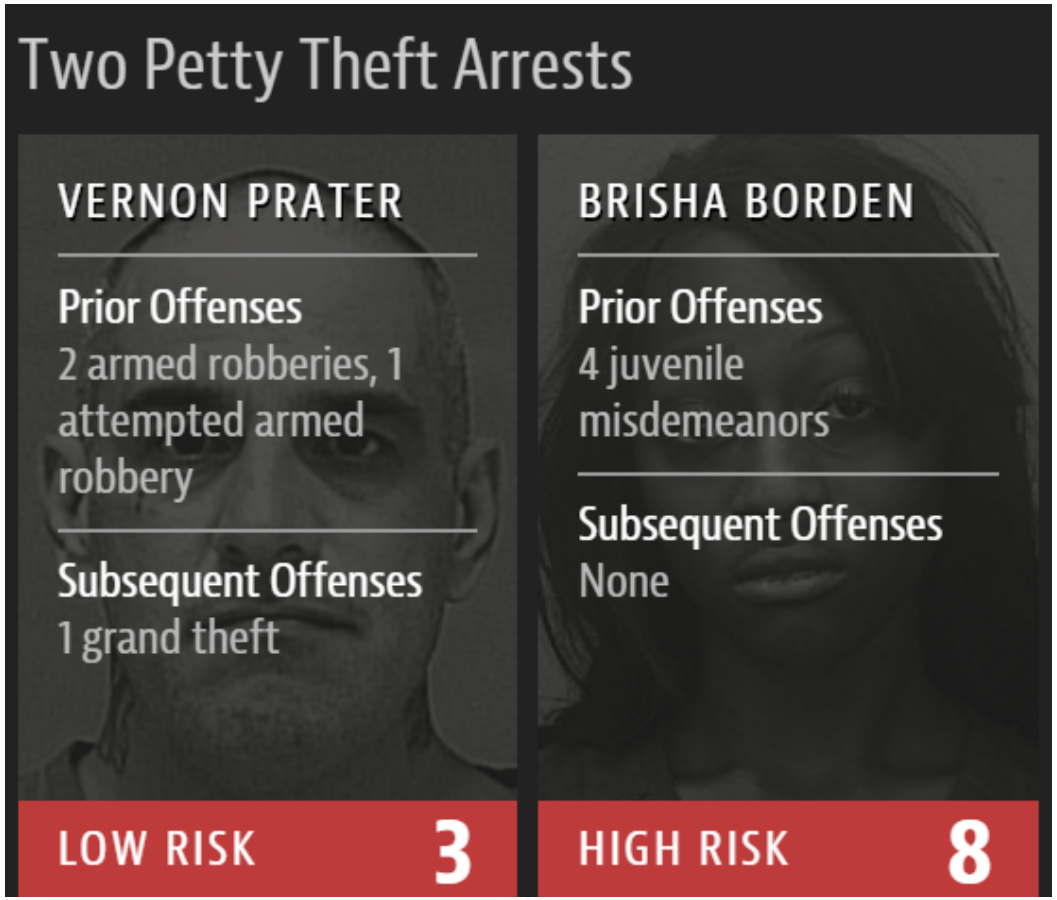


Joy Buolamwini, Algorithmic Justice League

AI Gender and Racial Bias

Fuente





https://www.propublica.org/article/machine-bias-risk-assessments-in-criminal-sentencing

TECHNOLOGY NEWS OCTOBER 10, 2018 / 5:12 AM / 4 MONTHS AGO

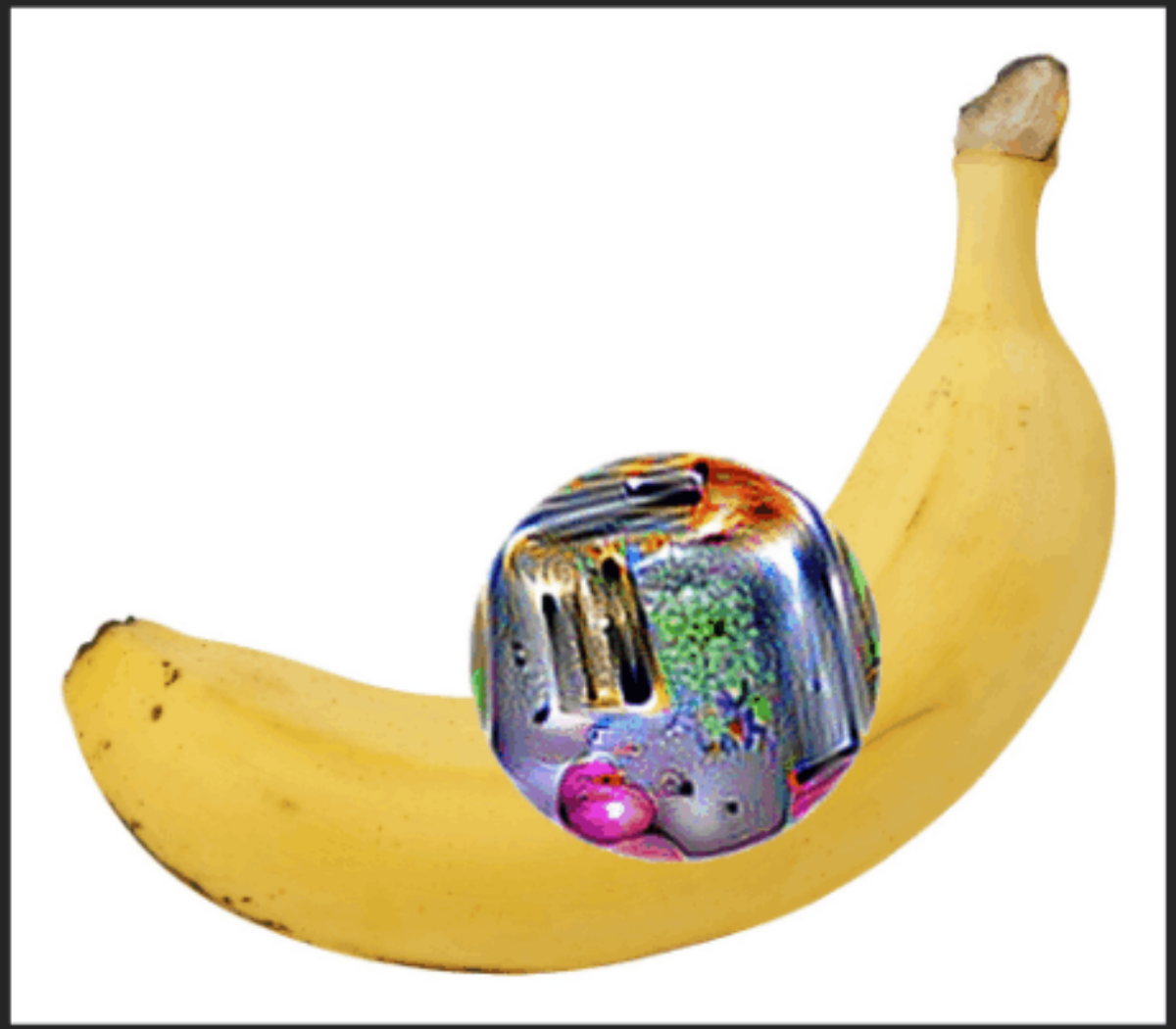
Amazon scraps secret AI recruiting tool that showed bias against women

Jeffrey Dastin

8 MIN READ

SAN FRANCISCO (Reuters) - Amazon.com Inc's (AMZN.O) machine-learning specialists uncovered a big problem: their new recruiting engine did not like women.

Link



General Model

Quickly understand objects, actions, scenes, and colors within an image.

yellow color	0.93
sharpener	0.64
pencil sharpener	0.63
musical instrument	0.62
tool	0.60
ocardina	0.52
maraca (musical instrument)	0.52
percussion instrument	0.52







License Plate
833SRM California

Vehicle Orientation

License Plate
MJZ52X New Jersey

Vehicle Color
Black

Vehicle Make
Jeep

Vehicle Make-Model
Jeep Wrangler

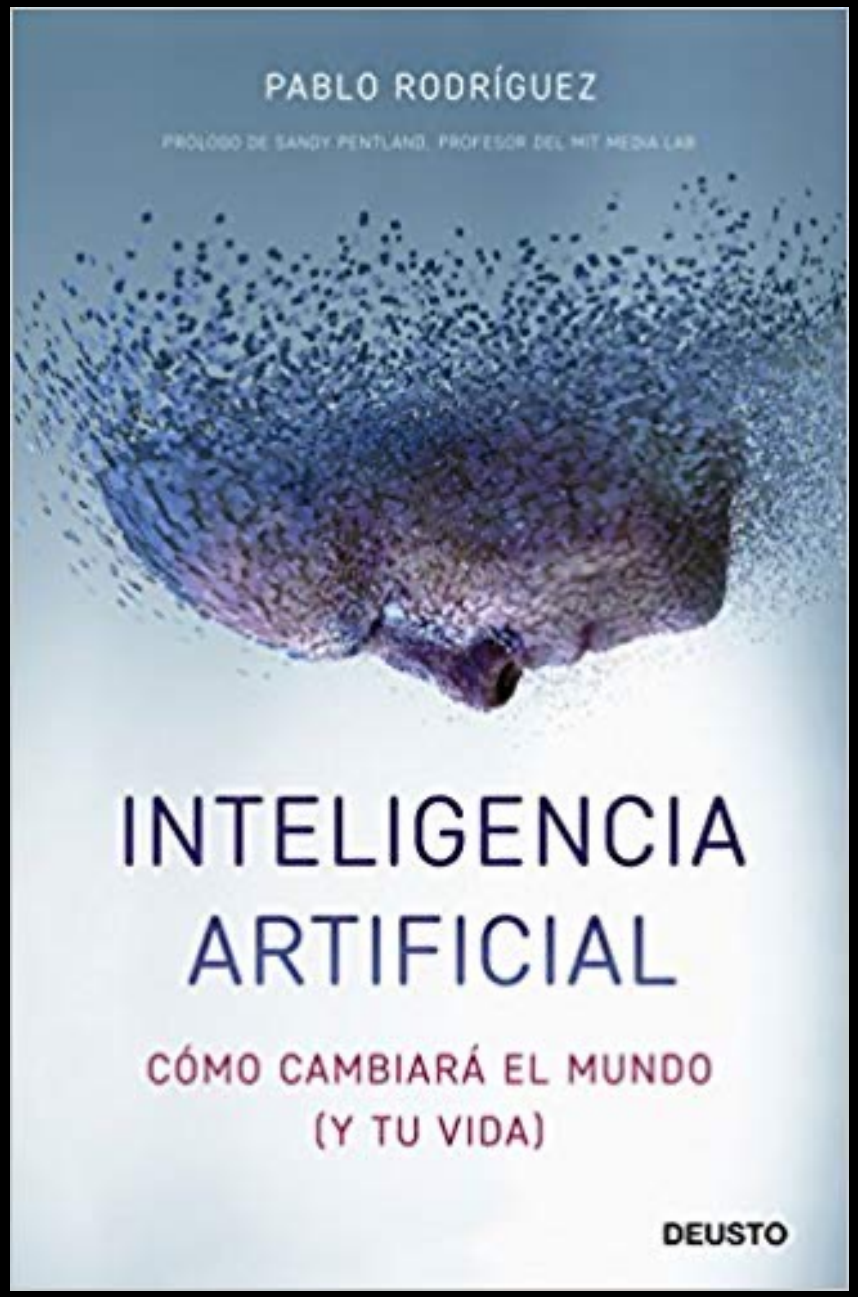
Vehicle Type
Suv-Crossover

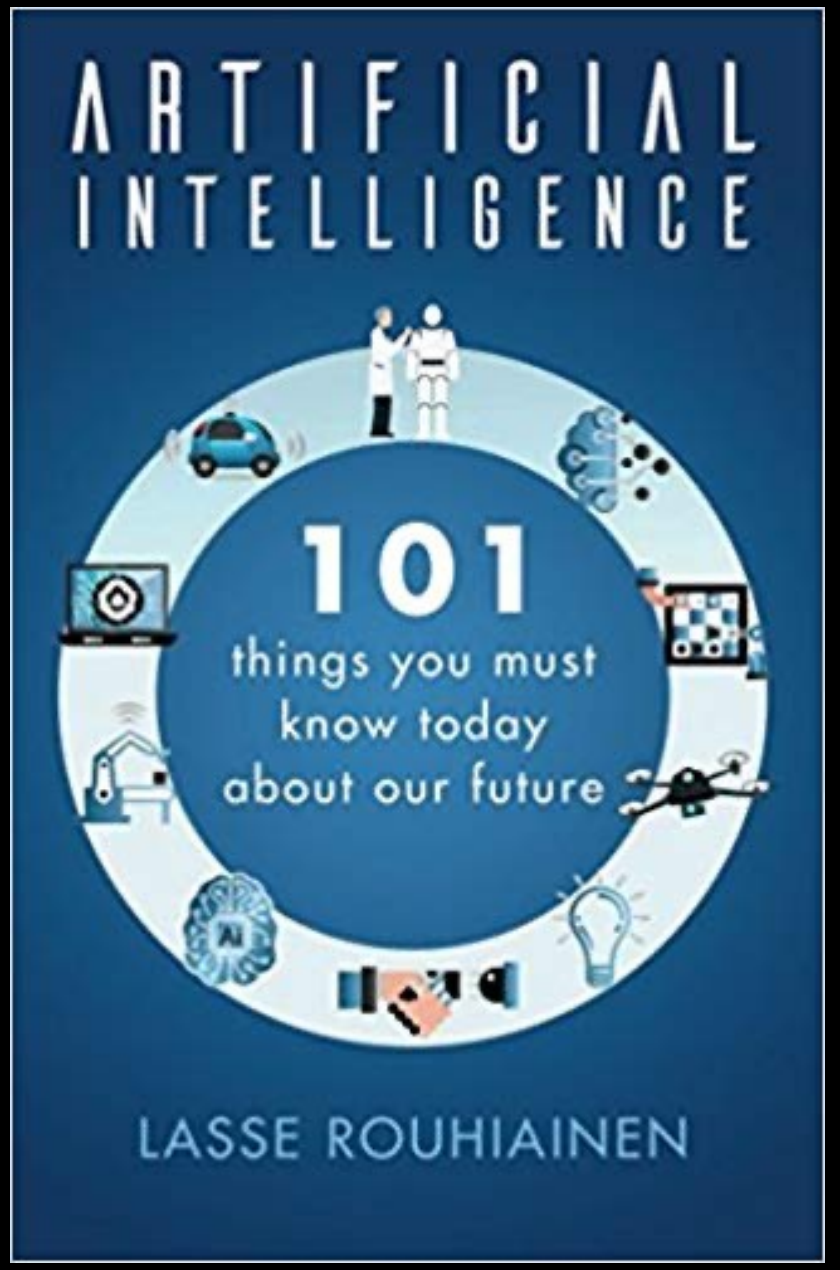
Vehicle Year

6. Recursos aprender IA



https://twitter.com/aszapla/status/1101367773106790402?s=20


PABLO RODRÍGUEZ
PRÓLOGO DE SANDY PENTLAND, PROFESOR DEL MIT MEDIA LAB
INTELIGENCIA ARTIFICIAL
CÓMO CAMBIARÁ EL MUNDO (Y TU VIDA)
DEUSTO


ARTIFICIAL INTELLIGENCE
101
things you must know today about our future
LASSE ROUHIAINEN

REAL ACADEMIA DE INGENIERÍA

INTELIGENCIA ARTIFICIAL: FICCIÓN, REALIDAD Y... SUEÑOS

DISCURSO DE LA ACADÉMICA ELECTA

EXCMA. SRA. D.ª NURIA MARÍA OLIVER RAMÍREZ

LEÍDO EN EL ACTO DE SU RECEPCIÓN PÚBLICA
EL DÍA 11 DE DICIEMBRE DE 2018

Y CONTESTACIÓN DEL ACADÉMICO

EXCMO. SR. D. ELÍAS FERERES CASTIEL



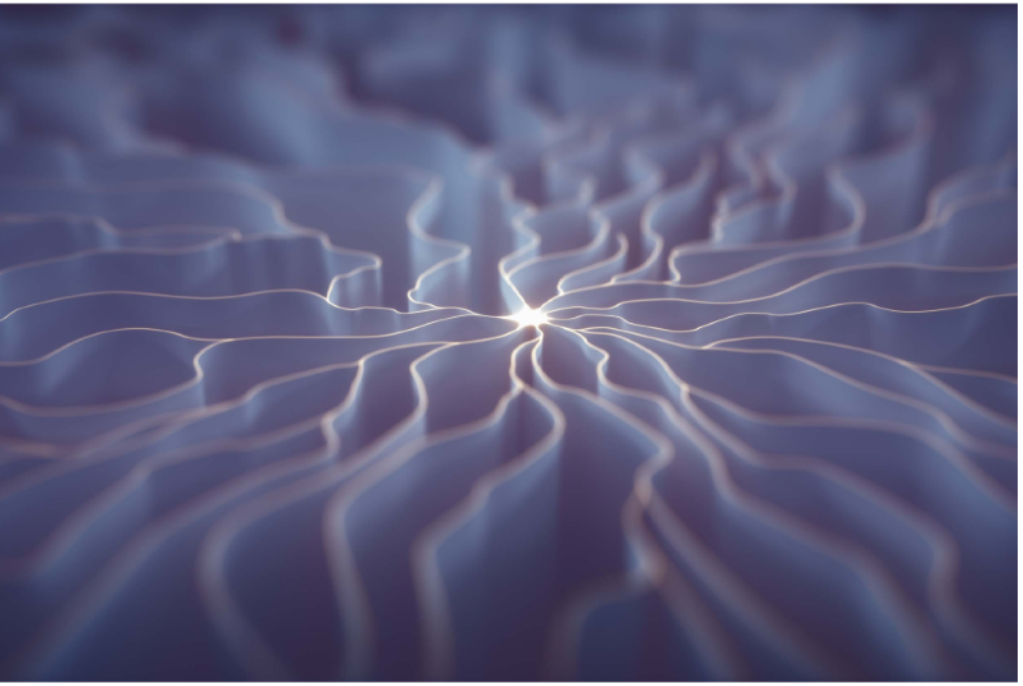
MADRID MMXVIII

https://vimeo.com/307042300

http://www.raing.es/es/publicaciones/discursos-de-ingresos/inteligencia-artificial-ficci-n-realidad-y-sue-os

Big Data
e Inteligencia Artificial

Una visión económica y legal de estas herramientas disruptivas



Edita: Fundació Parc Científic Universitat de València
c/ Catedrático Agustín Escardino, 9
46980 Paterna (España)
Telf: +34 963544758
Correo electrónico: parc.cientific@uv.es

Autores: Andrés Pedreño Muñoz, Luis Moreno Izquierdo, Javier Plaza Penedés y María Iranzo Cabrera

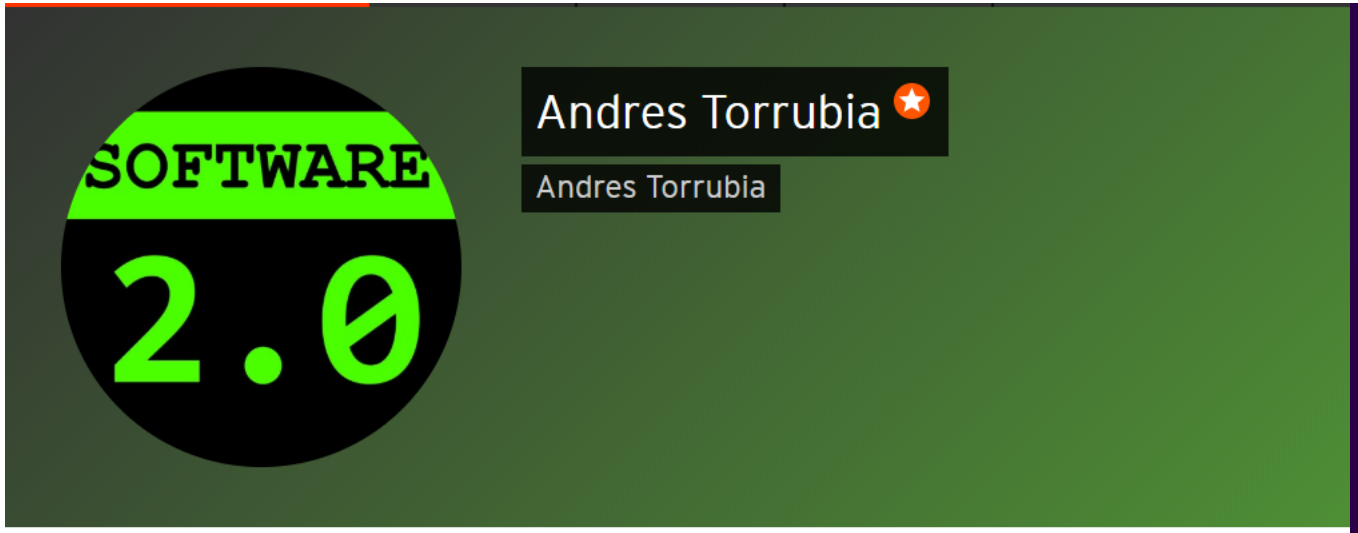
Año: 2018

DOI: 10.7203/PCUV-1

PARC CIENTÍFIC
VNIVERSITAT DE VALÈNCIA

https://iniciativas.pcuv.es/ebook-big-data-e-inteligencia-artificial

Andrés Torrubia





https://www.youtube.com/watch?v=RwPu_FVT-q8

Pistas destacadas



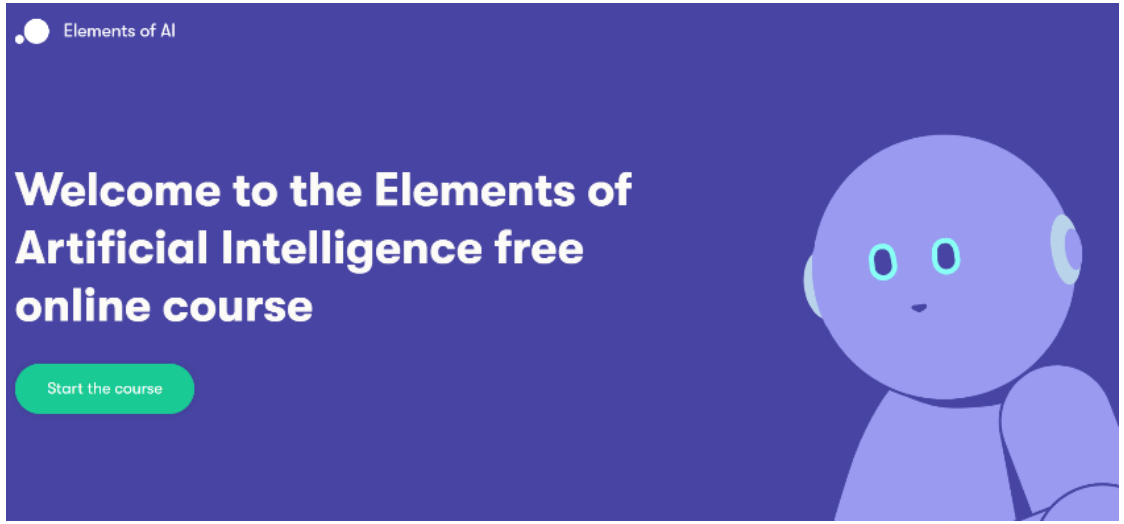
https://software20.libsyn.com/rss

Breve introducción a la Inteligencia Artificial para todos los públicos

Antonio SÁNCHEZ ZAPLANA
Responsable de Innovación y Tecnología
Aguas Municipalizadas de Alicante
Ingeniero de Telecomunicaciones

Se considera la Inteligencia Artificial como el motor de la 4ª Revolución Industrial. Existen muchos artículos y bibliografía técnica sobre la Inteligencia Artificial, pero o son para personas con base técnico-informática, o se centran en las consecuencias o realizaciones de la Inteligencia Artificial. Durante este artículo se expone de forma sencilla y breve qué es la Inteligencia Artificial, su tipología, sus estrategias de impulso y los problemas éticos que conllevan su desarrollo. Estos conceptos que se repiten por los medios de comunicación a diario y en la sociedad del siglo XXI deberíamos tener todos asimilados.

https://elconsultor.laley.es/Content/Documento.aspx?params=H4sIAAAAAAAAEAMtMSbF1CTEAAiNLC0tTU7Wy1KLizPw8WyMDQ0sDS0NDkEBmWqVLfnJIZUGqbVpiTnEqAHXQPUs1AAAAWKE



https://www.elementsofai.com/

Will the course be available in other languages?

The Finnish Presidency of the Council of the EU has decided to invest in people's future skills and will make the Elements of AI online course freely available in all official EU languages. Our ambitious goal is to educate 1 % of European citizens by 2021. We will start launching new languages during the spring of 2020. The course is already available in English (global), Finnish, Swedish and Estonian. See more here

An·Ethics·of·Artificial·Intelligence·Curriculum·for·Middle·School·Students¶

Blakeley·H.·Payne,·blakeley@mit.edu¶

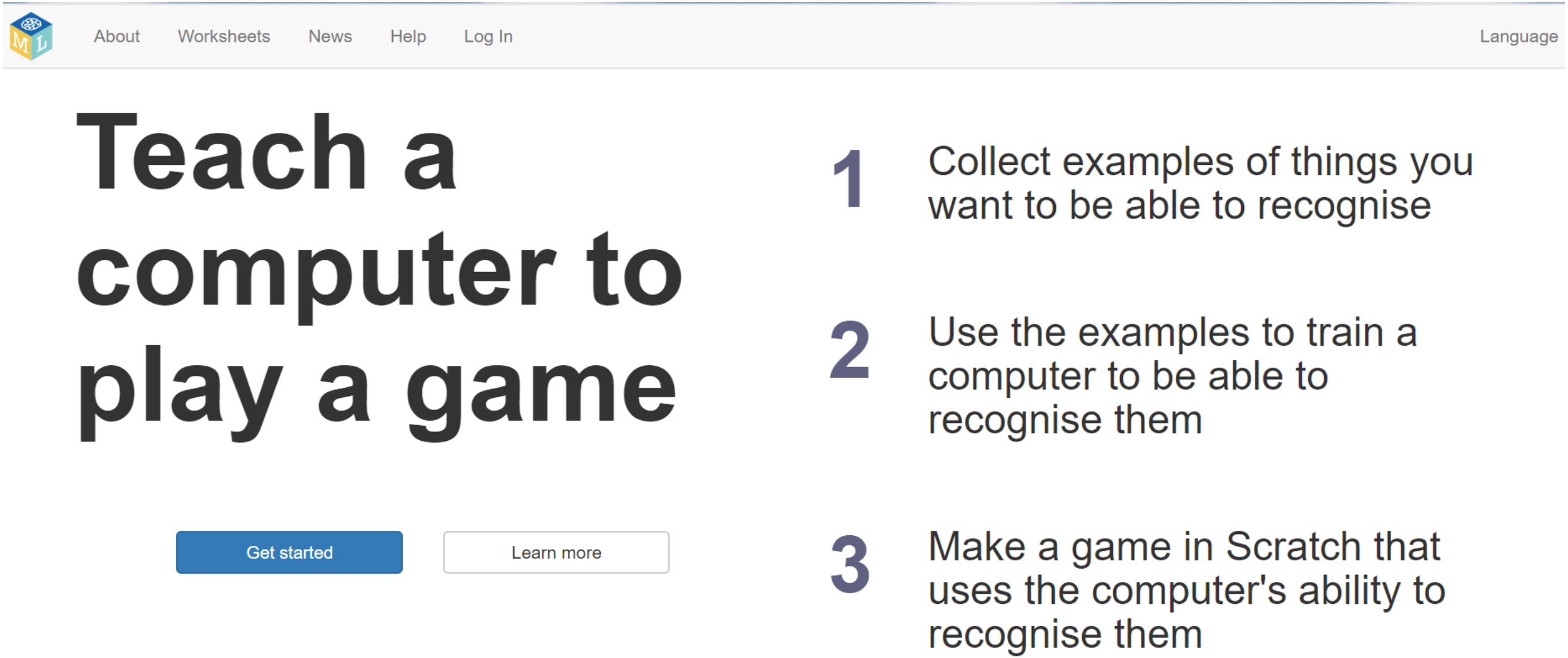
MIT·Media·Lab·¶

Personal·Robots·Group·directed·by·Cynthia·Breazeal¶

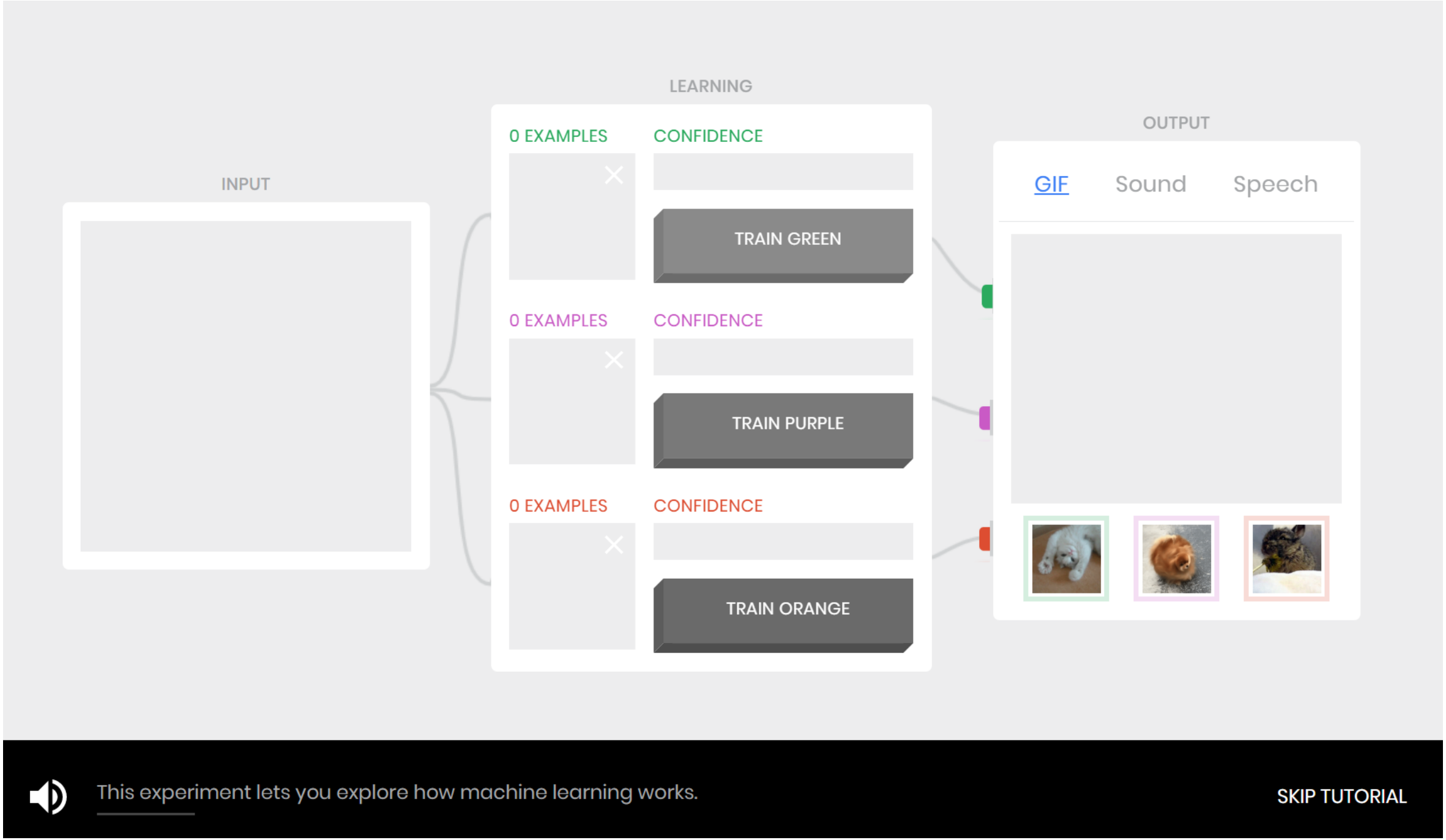
August·2019¶



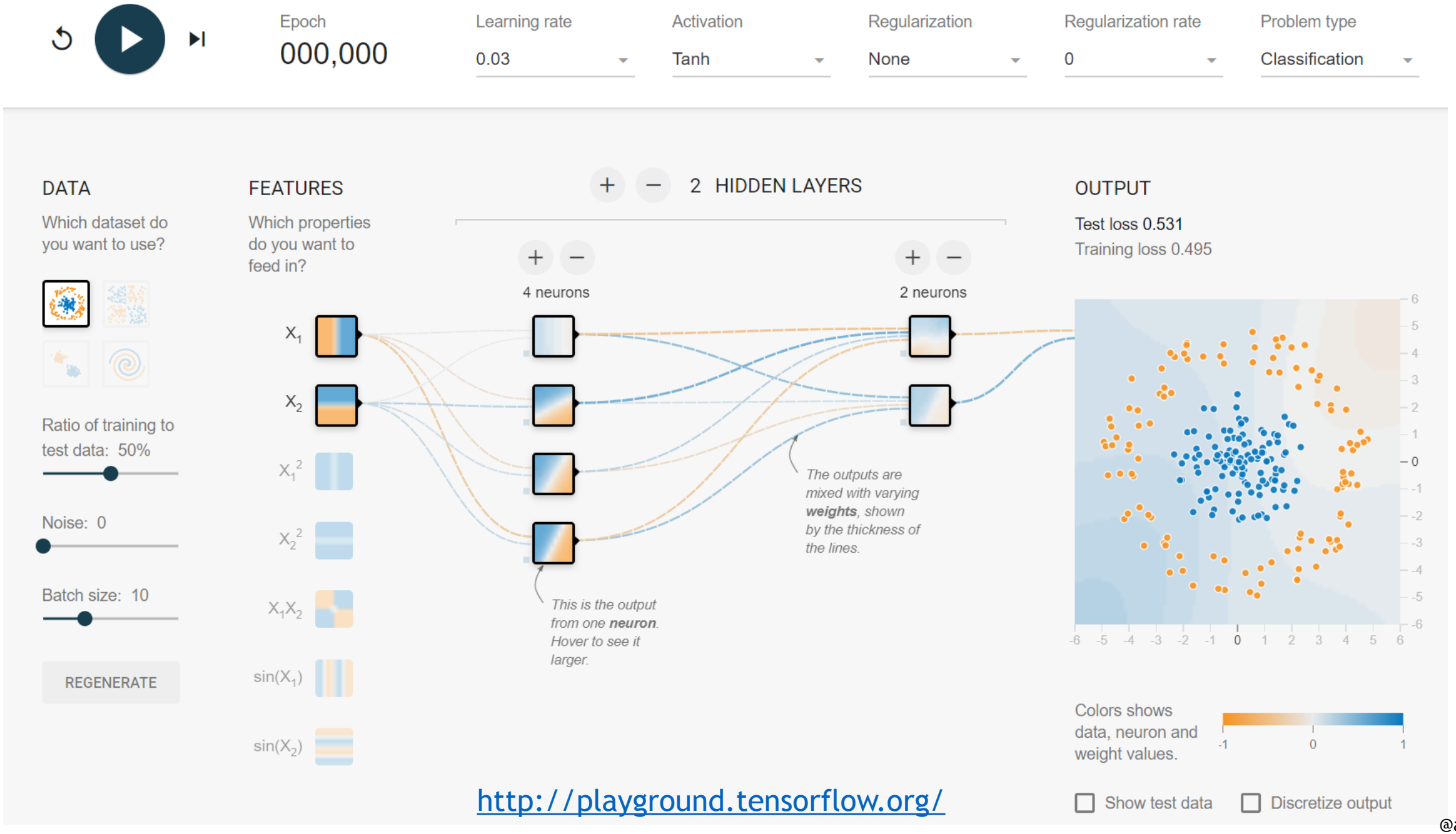
https://docs.google.com/document/d/1e9wx9oBg7CR0s5O7YnYHVmX7H7pnITfoDxNdrSGkp60/edit#



https://machinelearningforkids.co.uk/?lang=en#!/welcome

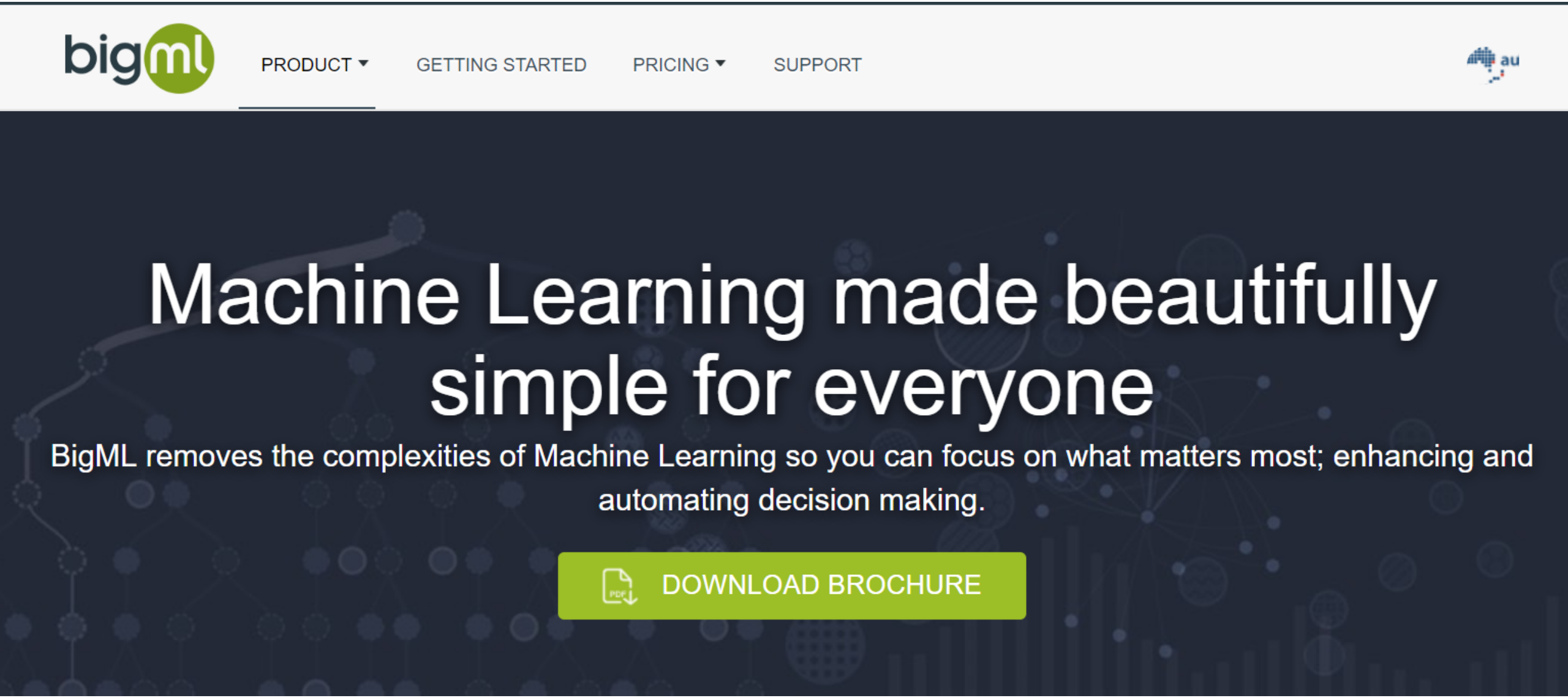


https://teachablemachine.withgoogle.com/v1/


Epoch
000,000
Learning rate
0.03
Activation
Tanh
Regularization
None
Regularization rate
0
Problem type
Classification
DATA
Which dataset do you want to use?
Ratio of training to test data: 50%
Noise: 0
Batch size: 10
REGENERATE
FEATURES
Which properties do you want to feed in?
X1
X2
X1²
X2²
X1X2
sin(X1)
sin(X2)
2 HIDDEN LAYERS
4 neurons
2 neurons
This is the output from one neuron. Hover to see it larger.
The outputs are mixed with varying weights, shown by the thickness of the lines.
OUTPUT
Test loss 0.531
Training loss 0.495
Colors shows data, neuron and weight values.
-1
0
1
Show test data
Discretize output
http://playground.tensorflow.org/

@aszapla

https://bigml.com/



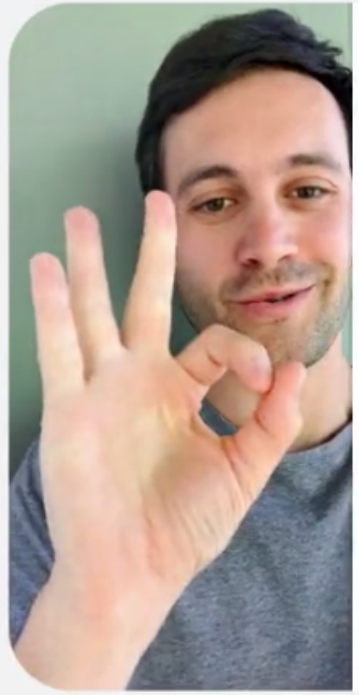
https://lobe.ai/

lobe

Teach your app to see emotions.

Build, train, and ship custom deep learning models using a simple visual interface.

Watch Tour Join Beta



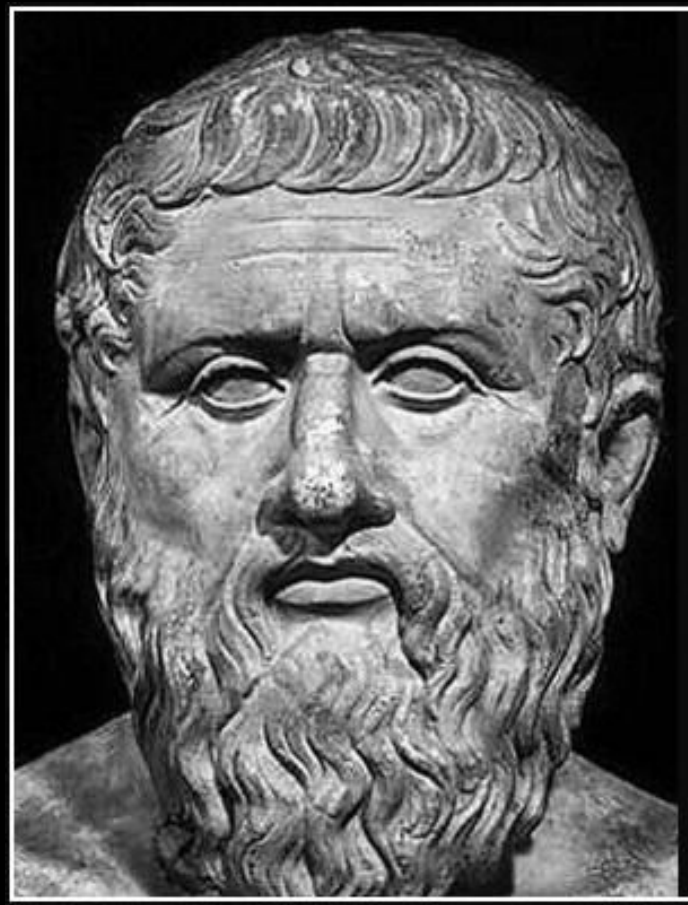
👌

PREPÁRATE PARA EL FUTURO, APRENDE A DESARROLLAR PROYECTOS EN INTELIGENCIA ARTIFICIAL CON PYTHON



ORGANIZA ANBAN Saturdays.AI Universitat d'Alacant

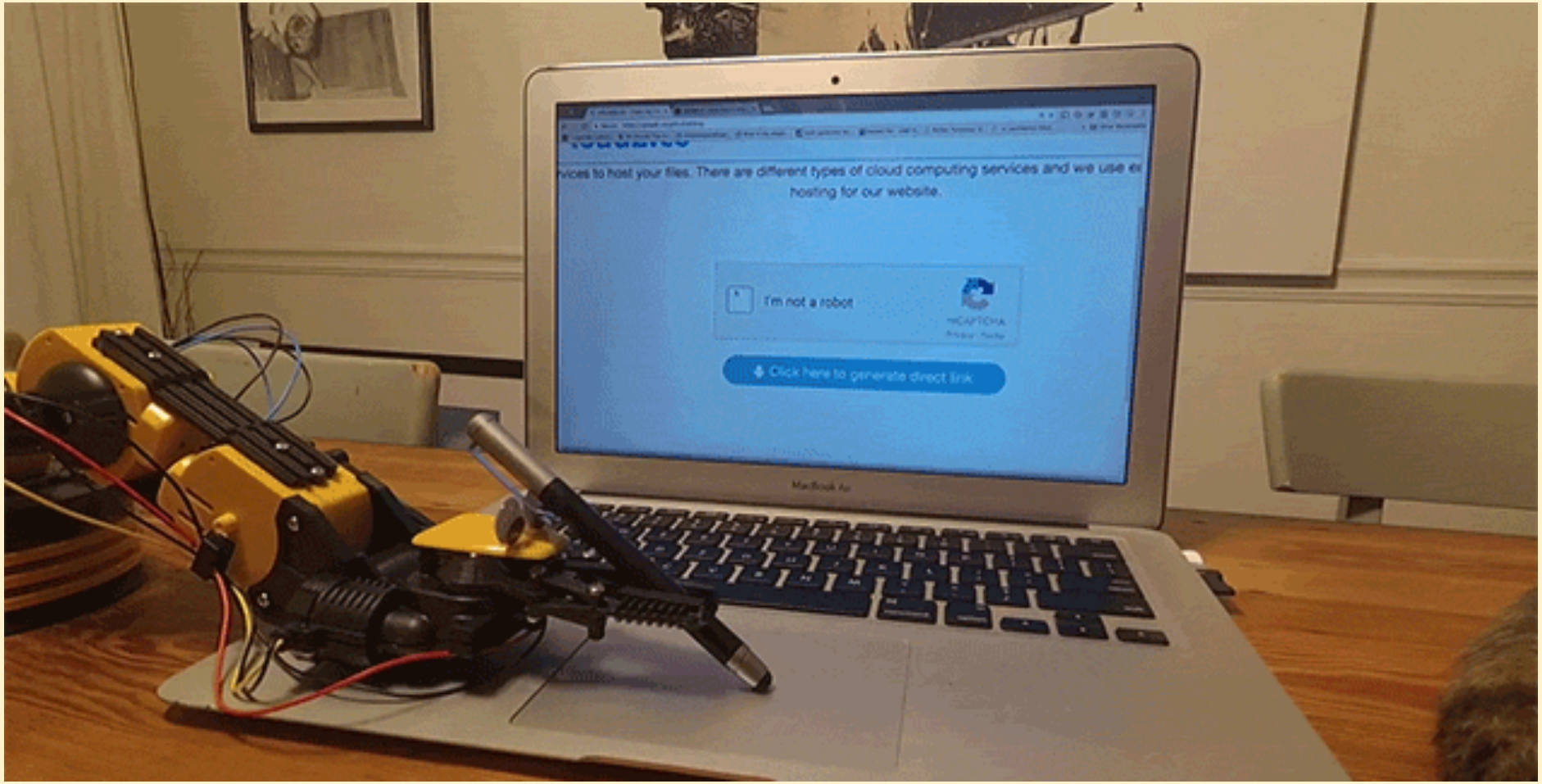
COLABORA AlicanTEC GENERALITAT VALENCIANA Distrito Digital Comunitat Valenciana



A good decision is based on knowledge, and not on numbers.

— Plato —

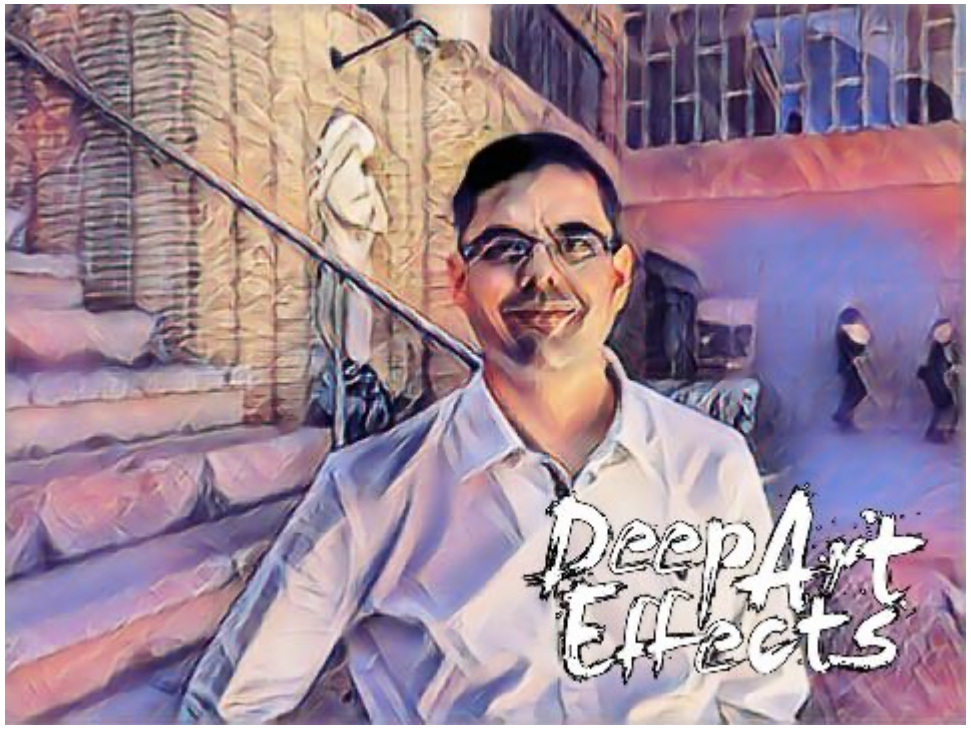
AZ QUOTES


vices to host your files. There are different types of cloud computing services and we use ex
hosting for our website.
I'm not a robot
reCAPTCHA
Click here to generate direct link

ANBAN
Asociación Nacional Big Data y Analytics

Torre Juana
Open Space Technology





www.urbaninnovation.es

antonio.sanchez@urbaninnovation.es

@aszapla

/antonio-sánchez-zaplana/