

de nosotros

de datos? El



e!

vienes

Data Science?



¿Es un científico de datos?

Data Scientist (more statistics than a software engineer)

Reply Retweet

DATA PREPARATION

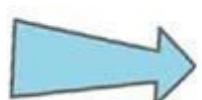
DATA CLEANING

- INCONSISTENT DATATYPES
- ATTRIBUTES
- AND DUPLICATE VALUES

TRANSFORMATION



talend
Informatica

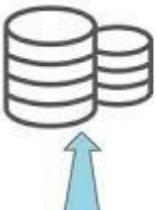


EXPLORATORY DATA ANALYSIS



DEFINES AND REFINES
THE SELECTION OF FEATURE
VARIABLES THAT WILL BE USED
IN THE MODEL DEVELOPMENT

DATA MODELING

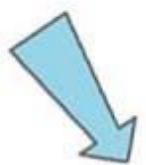


DECISION TREE

KNN

simplilearn

NAIVE BAYES

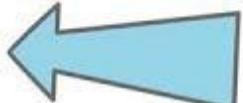


VISUALIZATION AND COMMUNICATION

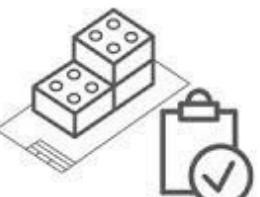


WHAT IS DATA SCIENCE?

WHY?....WHY?....WHY?....



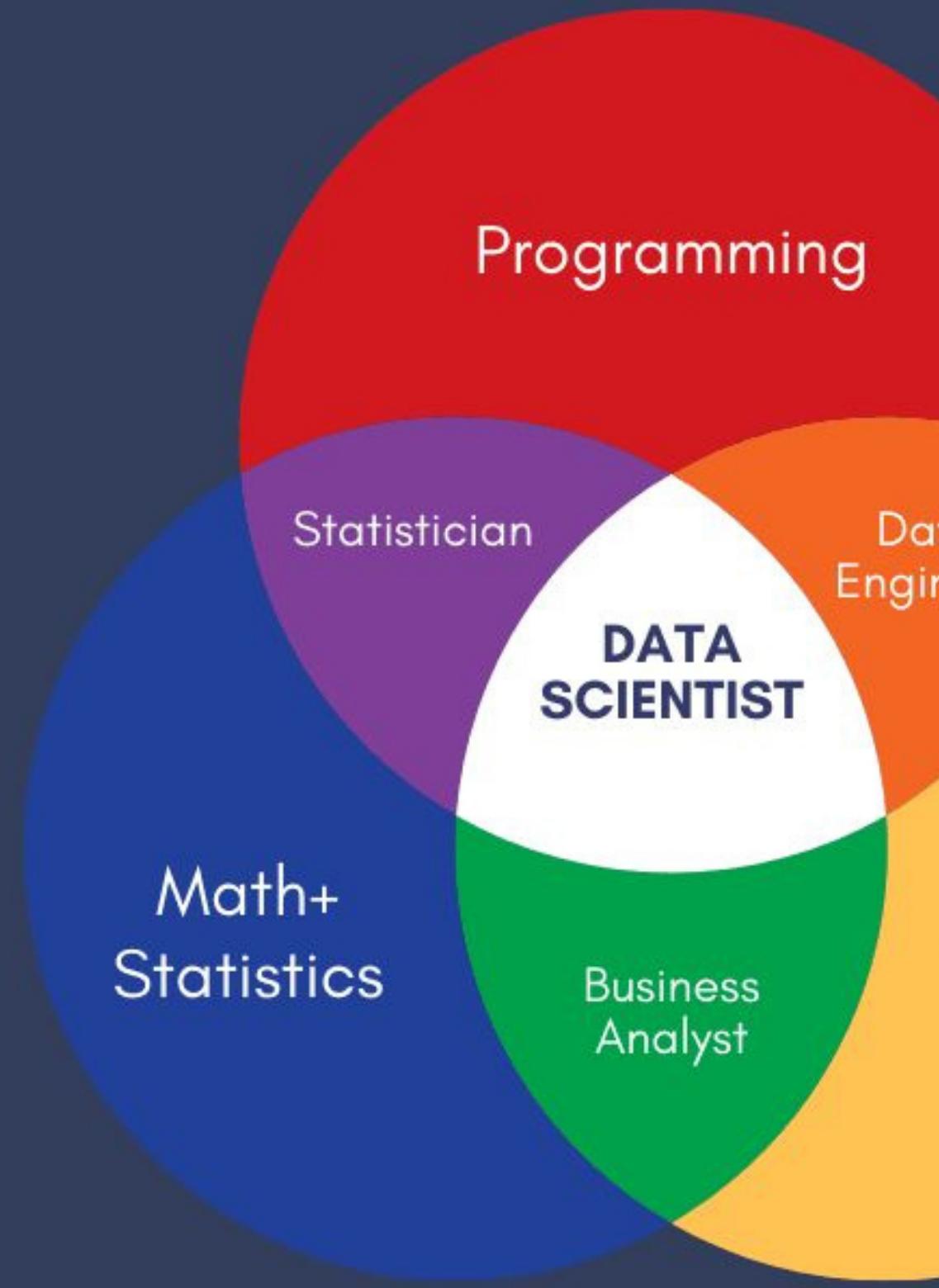
DEPLOYS AND MONITORS

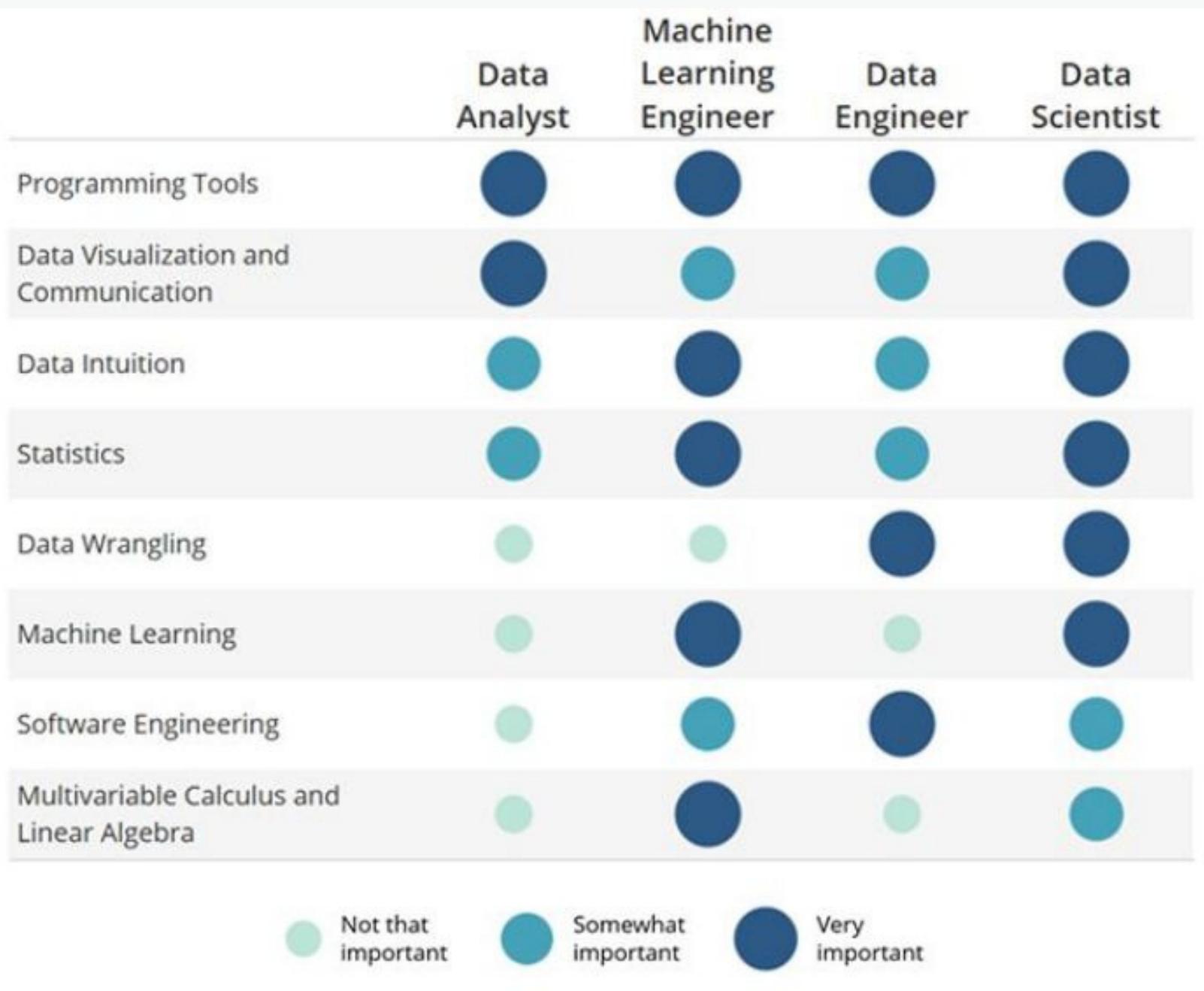


iza un Data

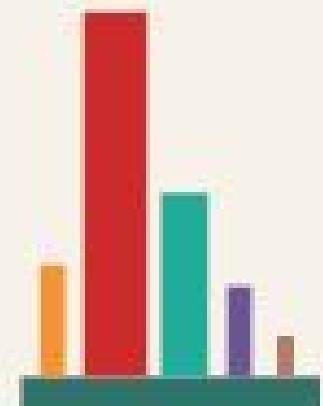
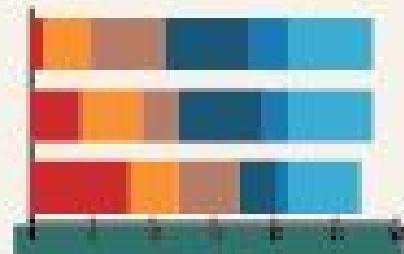
decisiones basadas

ocesos
s;
elling
bases de datos











python

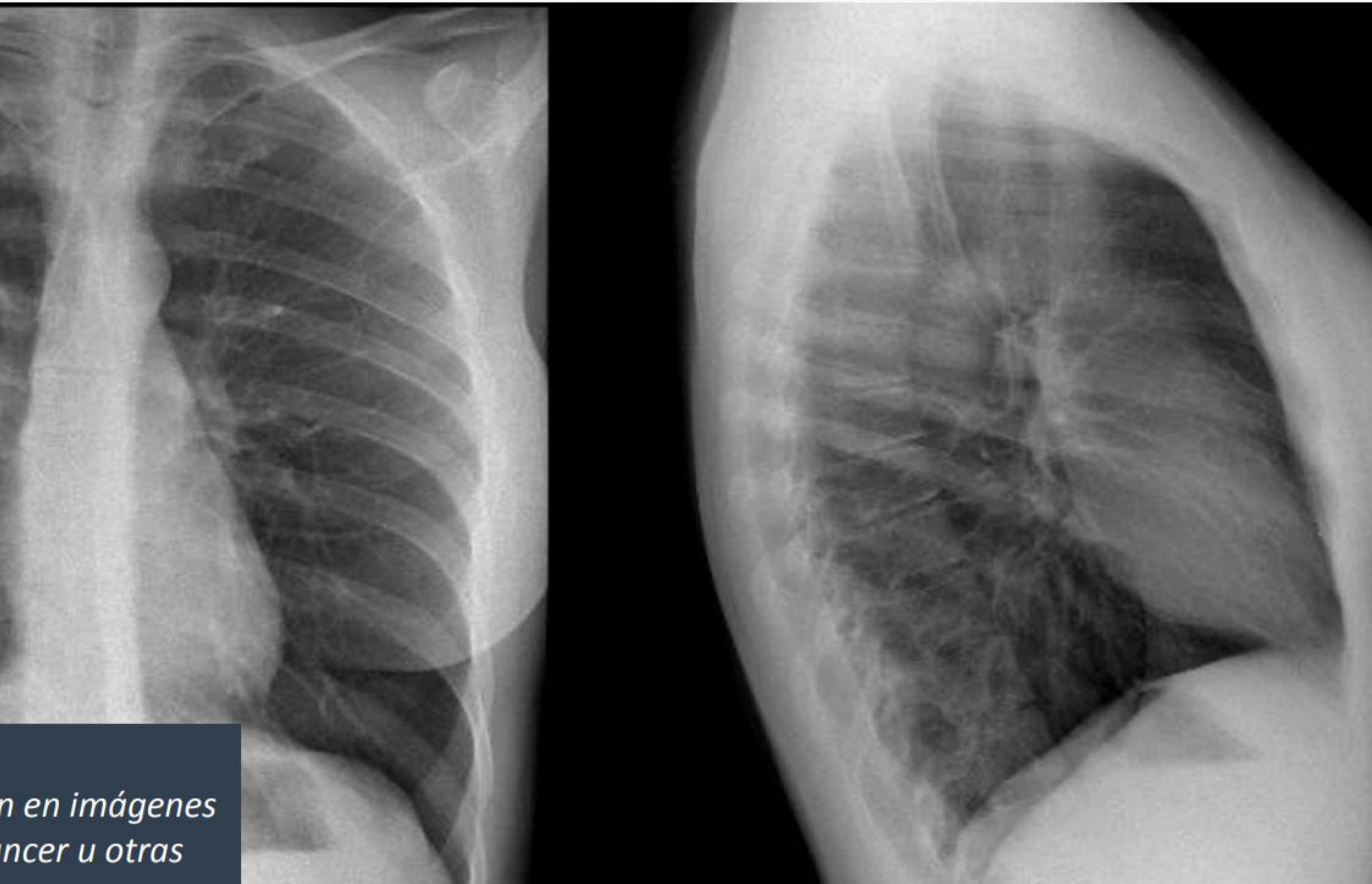
```
9      from watson.common.imports import get_qualified_name
10     from watson.common.contextmanagers import suppress
11
12
13     ACCEPTABLE_RETURN_TYPES = (str, int, float, bool)
14
15     class Base(ContainerAware, metaclass=abc.ABCMeta):
16         """The base class for all controllers.
17
18         Attributes:
19             __action__ (string): The last action that
20             was performed.
21
22             def execute(self, **kwargs):
23                 method = self.get_execute_method(**kwargs)
24                 self.__action__ = method
25                 return method(**kwargs) or {}
26
27             @abc.abstractmethod
28             def get_execute_method(self, **kwargs):
29                 pass
```





ica

ón de averías en función



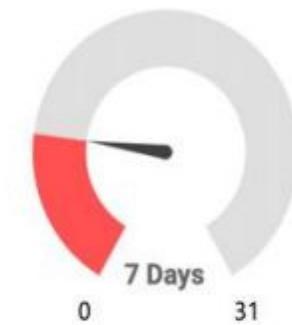
n en imágenes
ancer u otras

Total Accounts Payable
\$1,630,270

Inventory]



DSO
[Days Sales Outstanding]

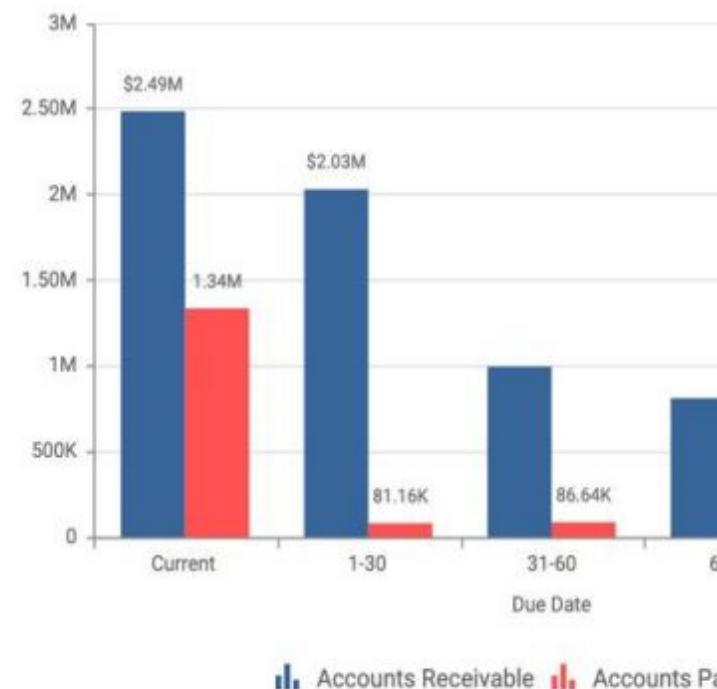


DPO
[Days Payable Outstanding]

Equity Ratio
75.38 %

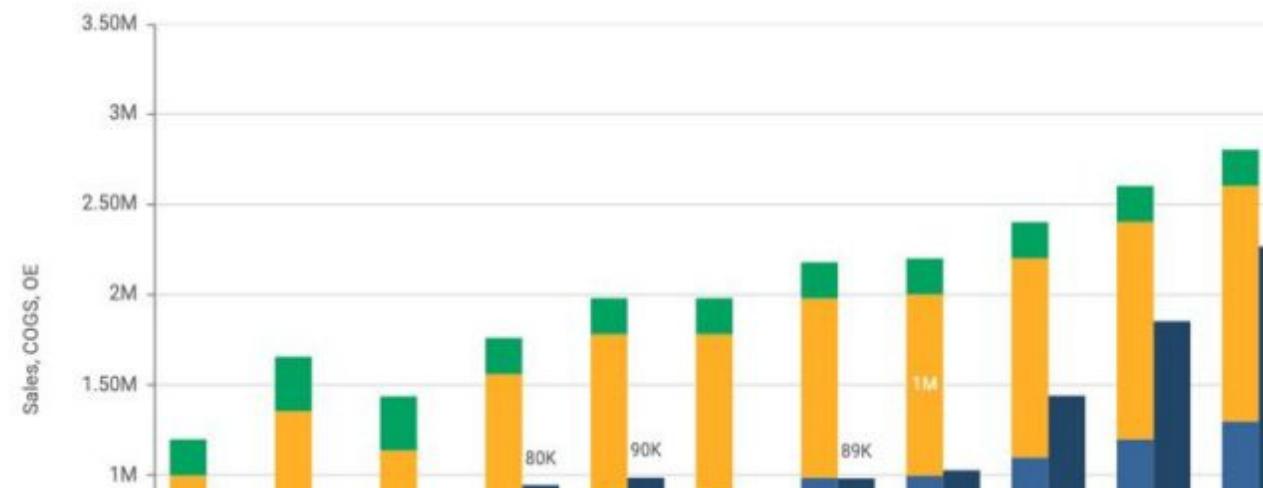
Debt Equity
1.10 %

Total Accounts Receivable and Payable Aging



var y comunicar los datos

Profit and Loss summary



amazon

Google

Microsoft



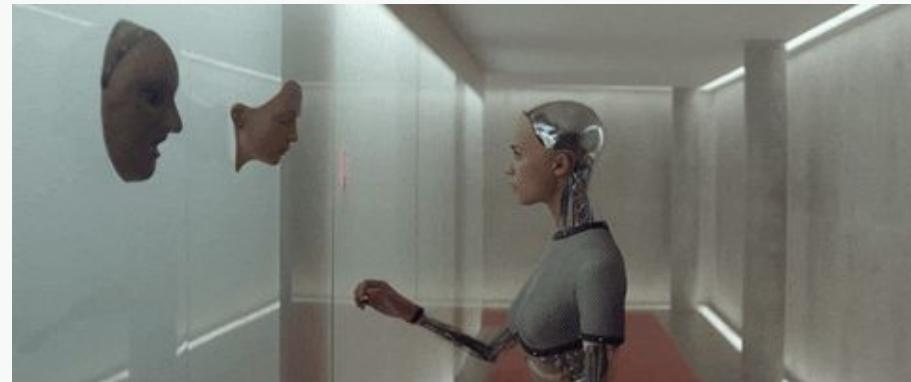
SAMSUNG



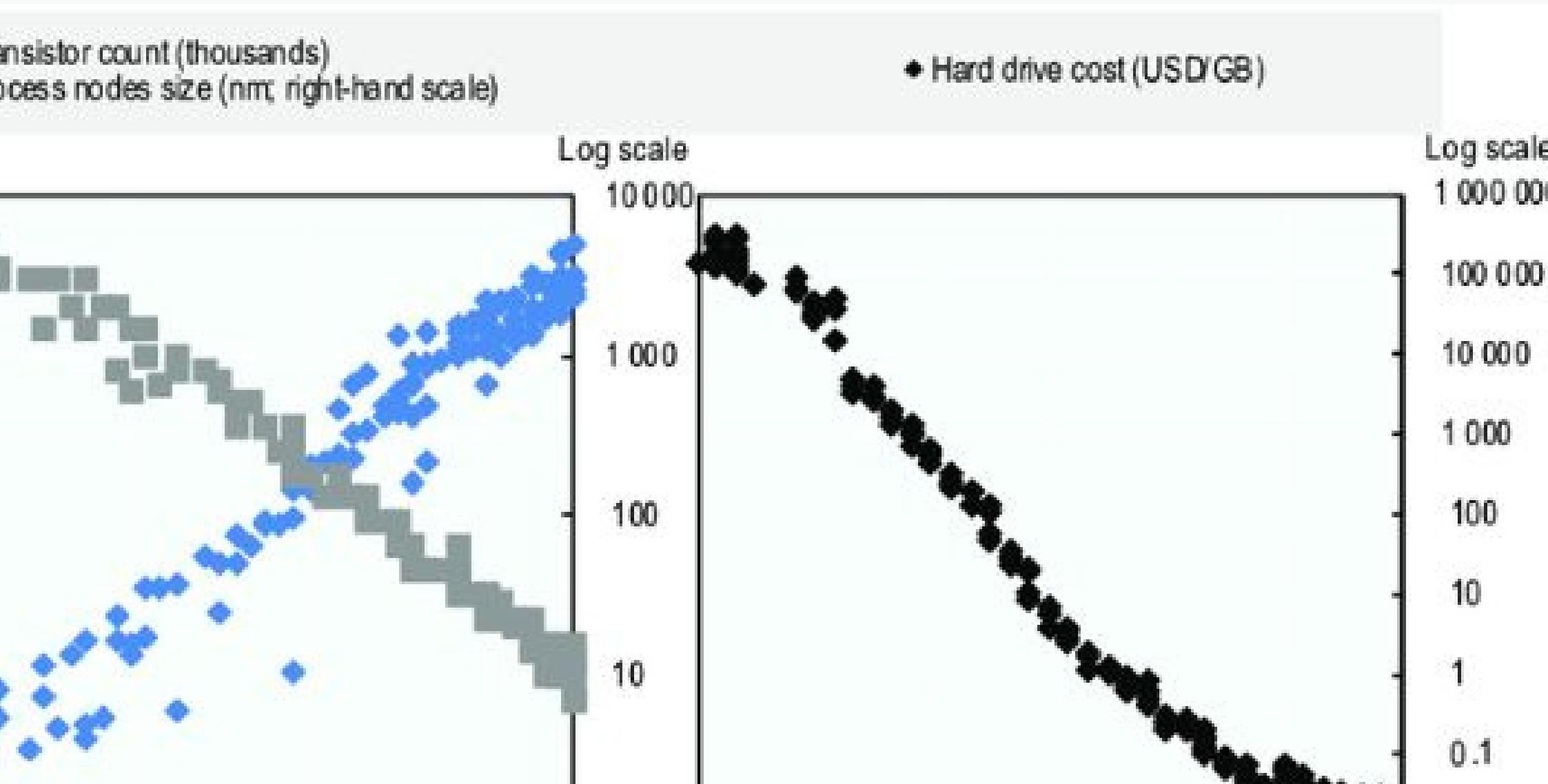
amazon alexa



Siri



+ Almacenamiento + Coste = Accesibilidad



acación de datos

second by every person during 2020.

astonishing **90%** of the world's data has been created.

re produced by humans every day.

generated each day by humans as of 2025.

are shared every day on Instagram.

ytes will make up the entire digital universe.

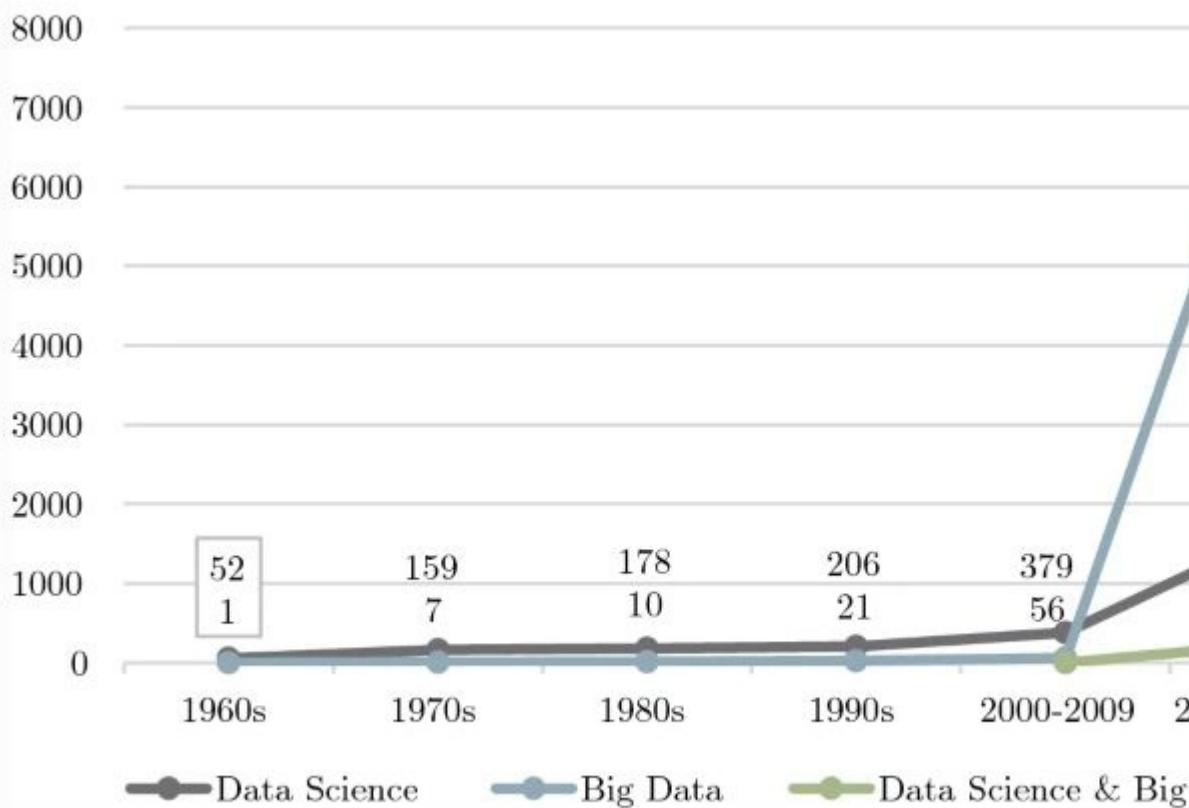
s are sent, and **5 million Tweets** are made.



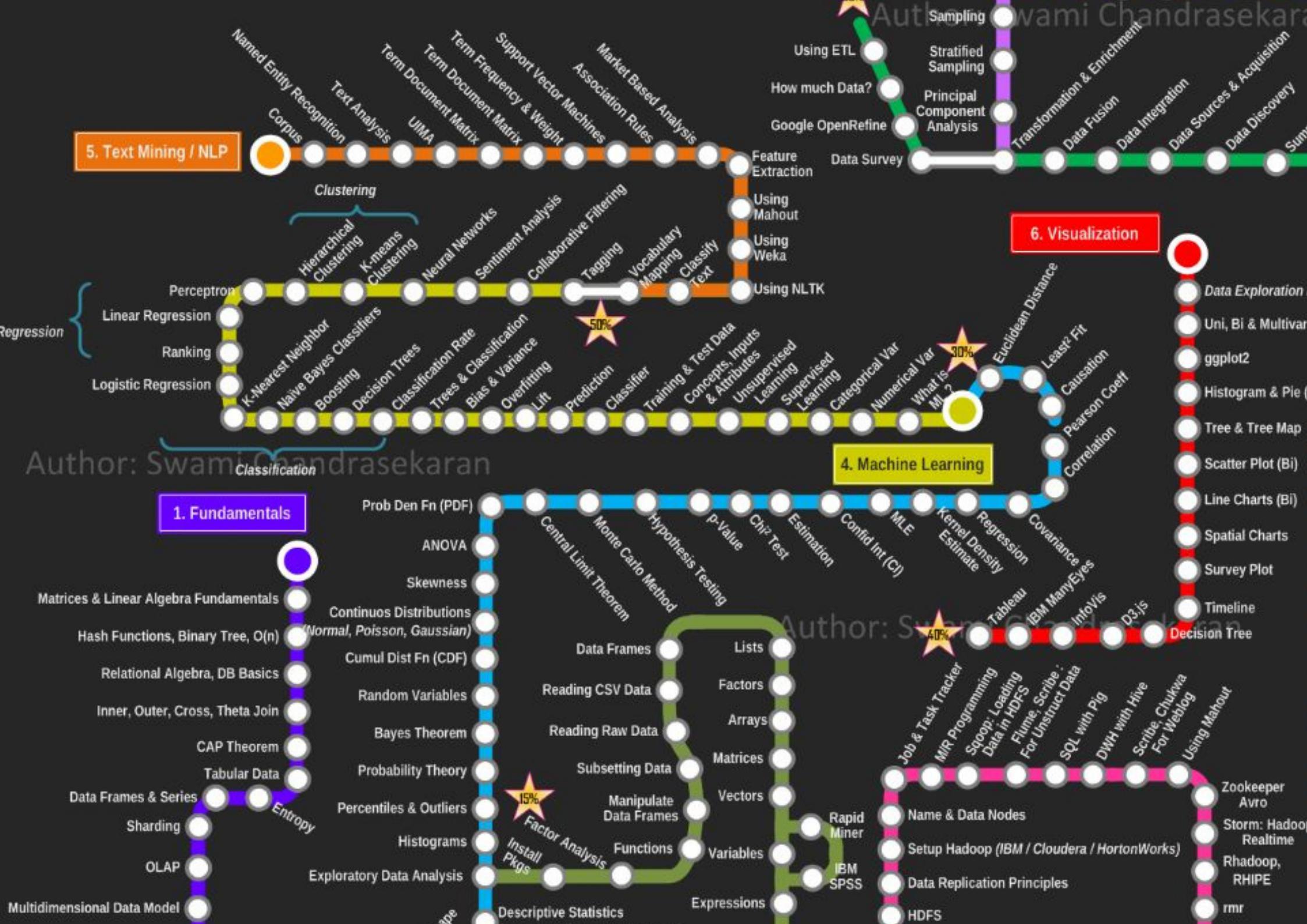
Fuente

Conocimiento e investigación

Fig. 1

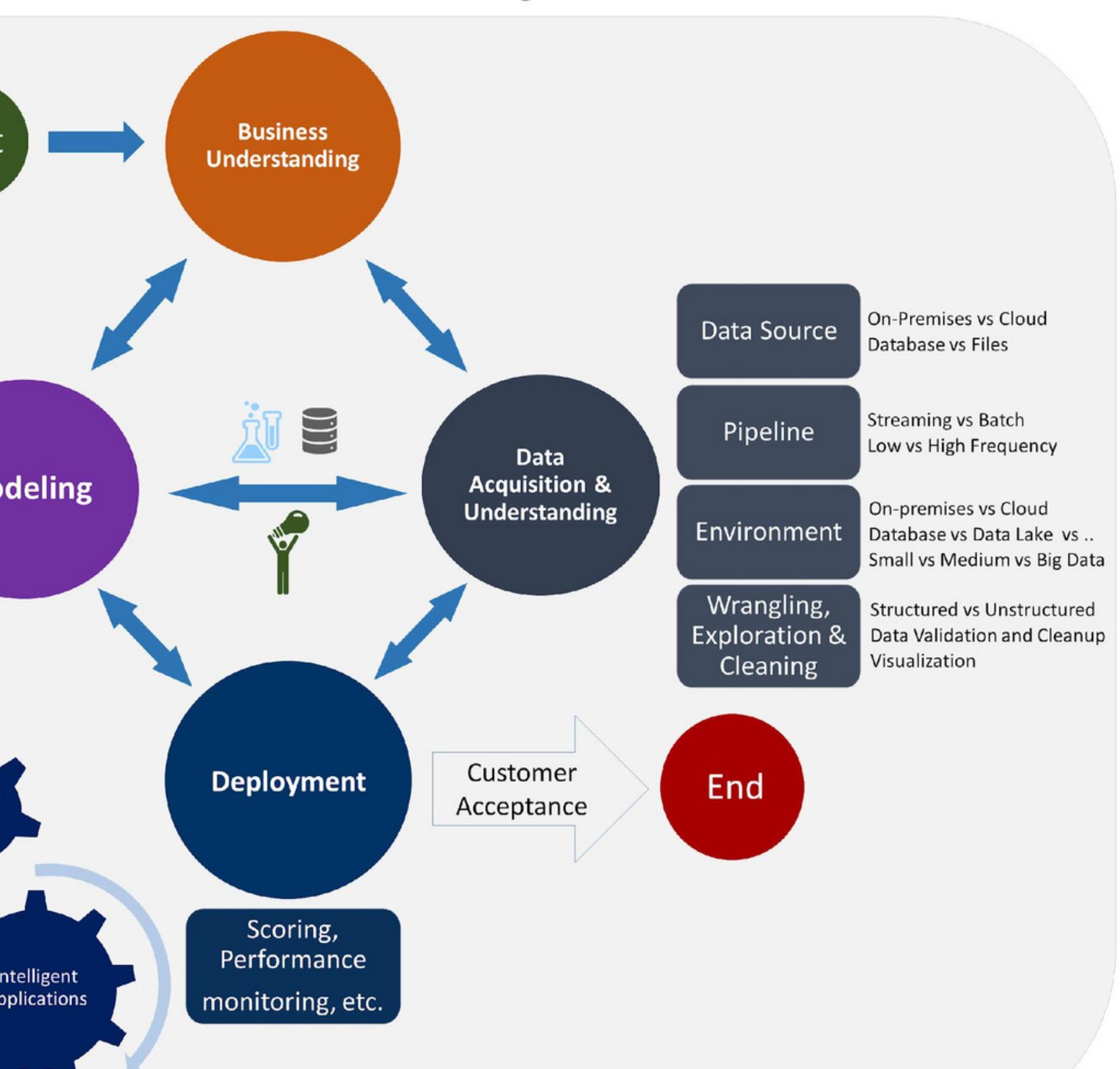


Evolutionary trend in the number of publications covering data science and big data

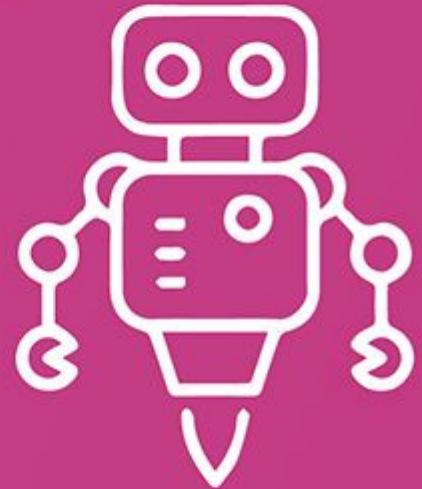


Ciclo de vida

Data



ARTIFICIAL
INTELLIGENCE



MACHINE
LEARNING



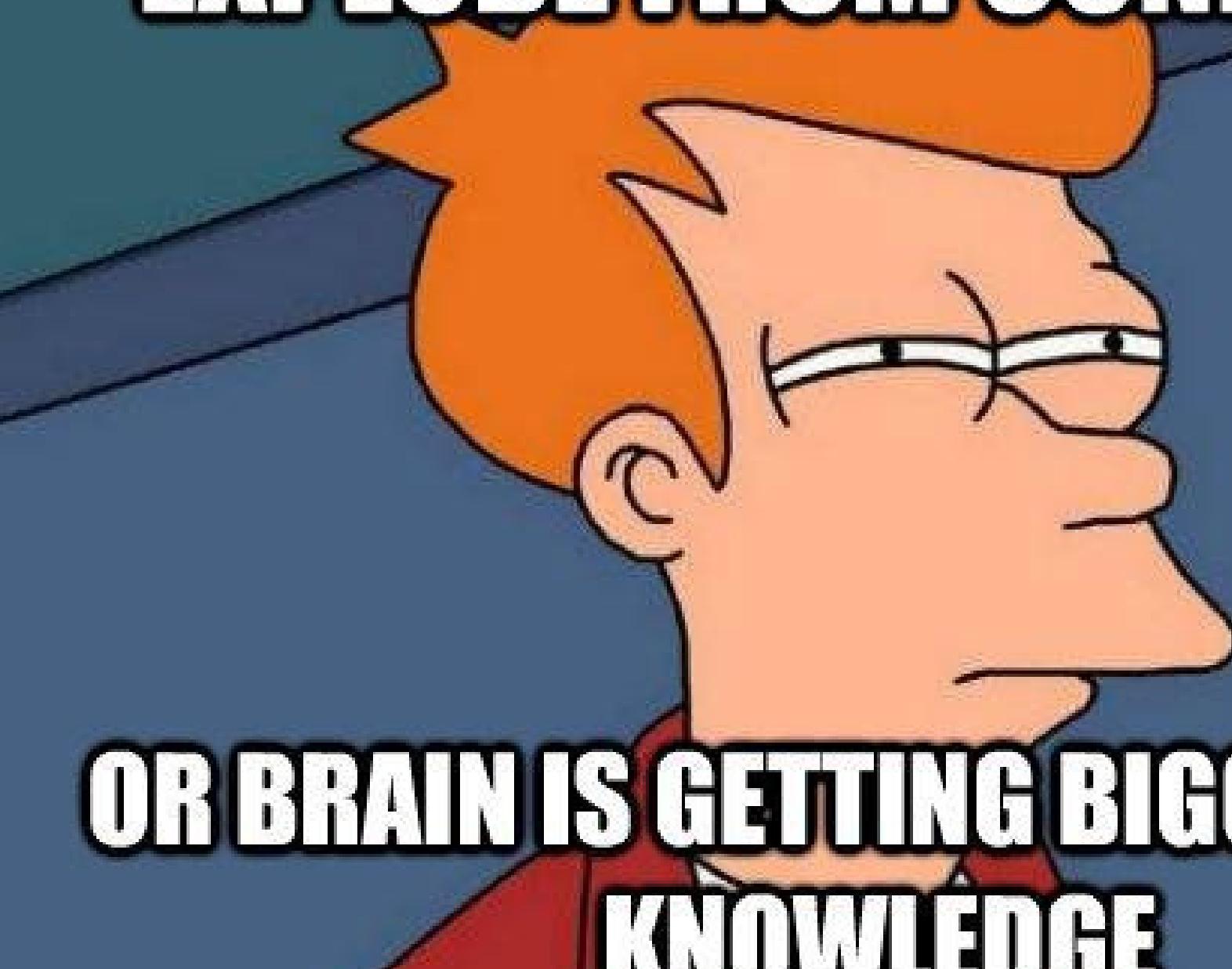
DEEP
LEARNING

osibilitan a

ML - Algoritmos que dan a una
máquina la **capacidad de**

DL - Rama de ML que
redes neuronales con

**NOT SURE IF HEAD IS ABOUT TO
EXPLODE FROM CONFUSION**



**OR BRAIN IS GETTING BIGGER FROM
KNOWLEDGE**

Python, sus principales herramientas y los
de Data Science.

2 semanas

Exploración y preparación de datos para su análisis

3.5 semanas

elos de aprendizaje de datos.

5.5 semanas

los datos se convierte en un proceso de negocio
soluciones de forma escalable

2-semanas

Git

Python

alización

Transformación
de datos

SQL

g

odelos no
supervisados

Time Series

Deep Learning

J

Big Data

Apis

Cloud

