

## **Introduction au Machine Learning**



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Collection

UNIVER!

**PANTHÉO**1

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Cleaning

Exploratory Data Analysis

Model Building Model Deployment

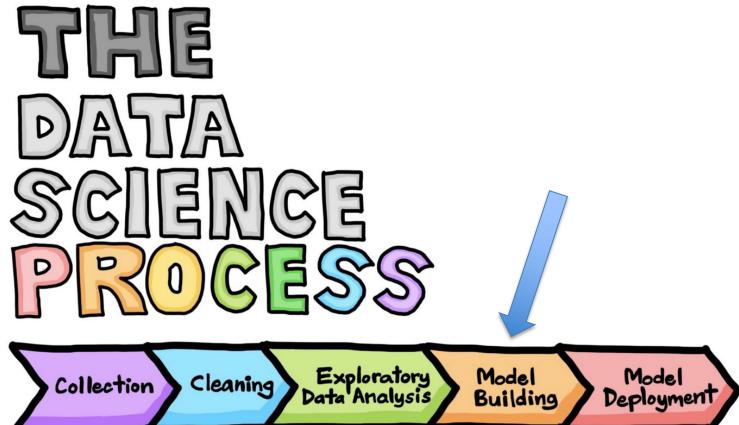
Data Engineers

Data Analysts

Machine Learning Engineers

Data Scientists





Data Engineers

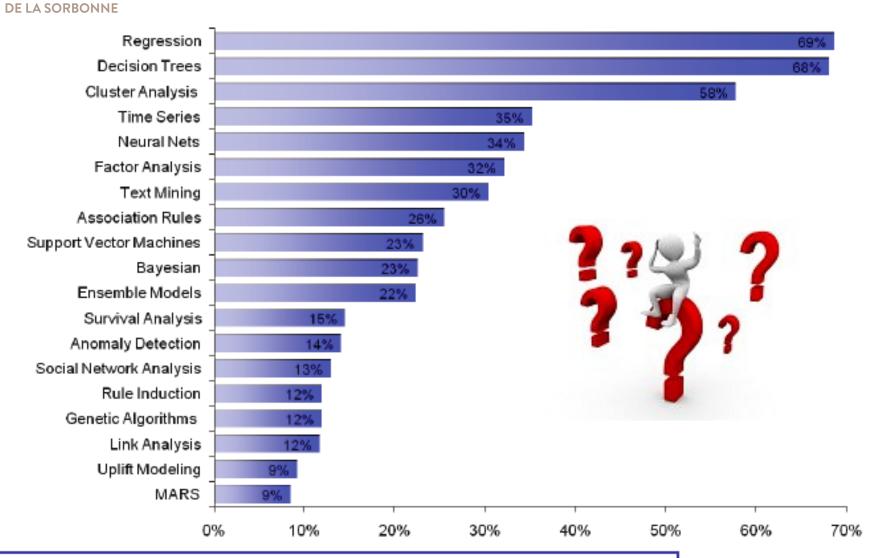
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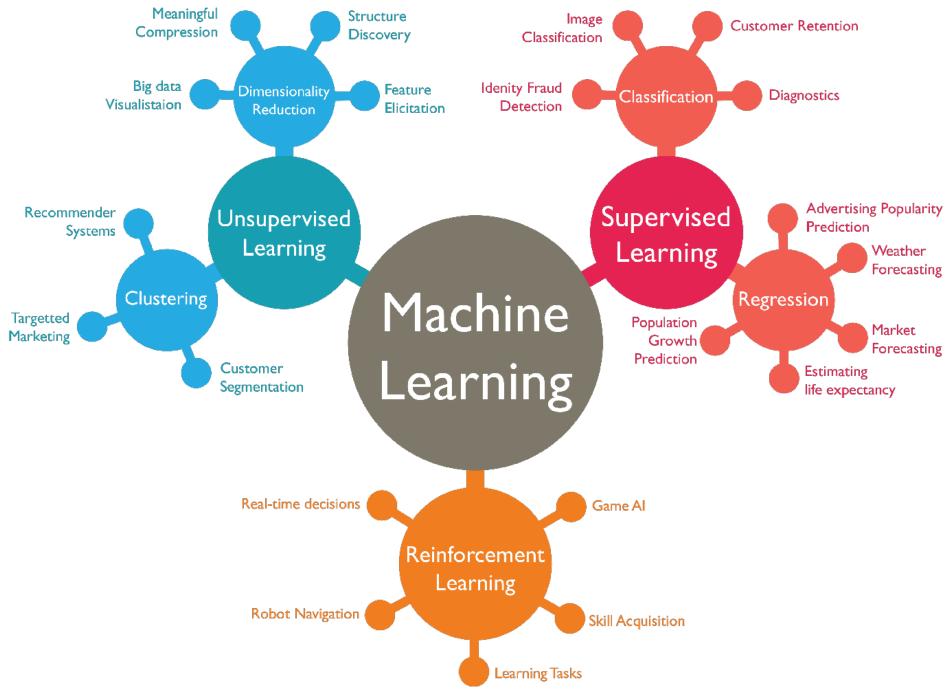


### Quel algorithme utiliser?



Question: What algorithms/analytic methods do you TYPICALLY use? (Select all that apply)

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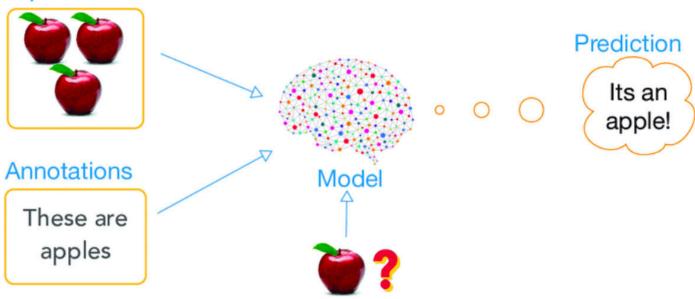


https://wordstream-files-prod.s3.amazonaws.com/s3fs-public/machine-learning.png

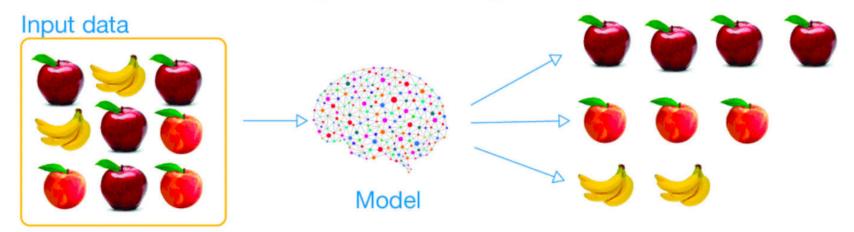
### supervised learning



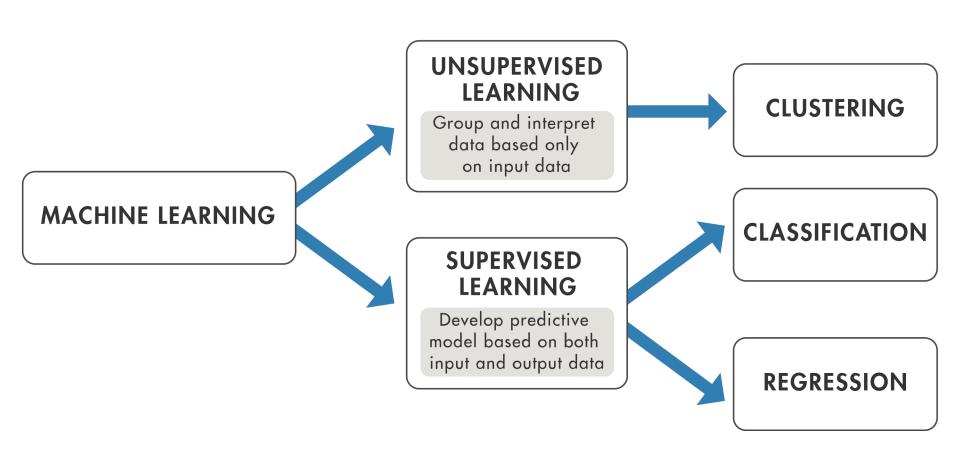
### Input data



### unsupervised learning









ÉCOLE DE MANAGEMENT DE LA SORBONNE ASSOCIATION RULES

# UNSUPERVISED LEARNING

Group and interpret data based only on input data **CLUSTERING** 

### **MACHINE LEARNING**

# SUPERVISED LEARNING

Develop predictive model based on both input and output data **CLASSIFICATION** 

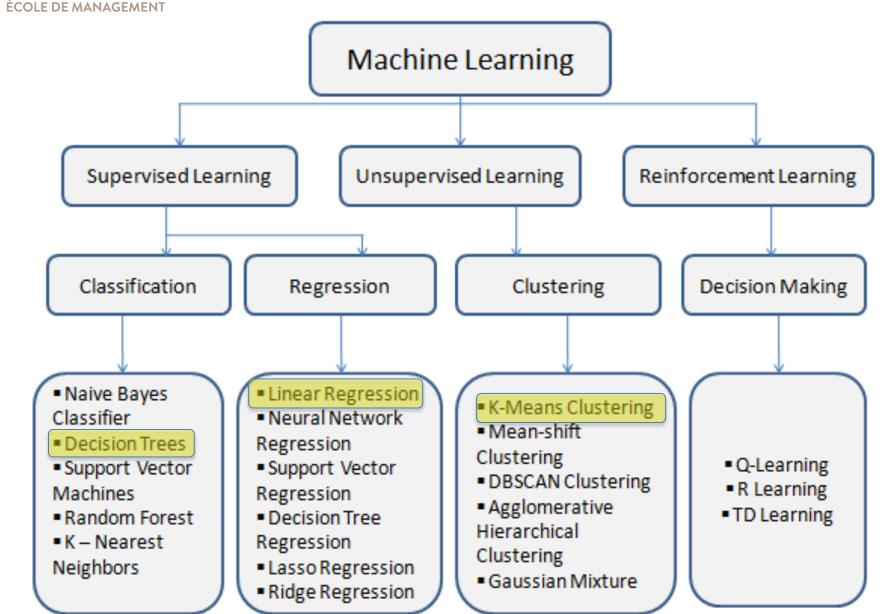
**REGRESSION** 

# SEMI-SUPERVISED LEARNING

REINFORCEMENT LEARNING



## **Types of Machine Learning**

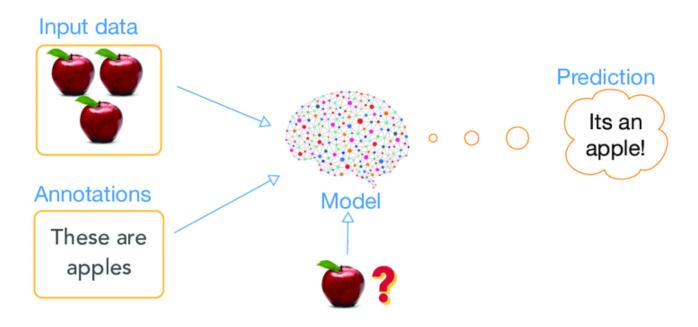


https://www.analyticsvidhya.com/blog/2021/03/everything-you-need-to-know-about-machine-learning/

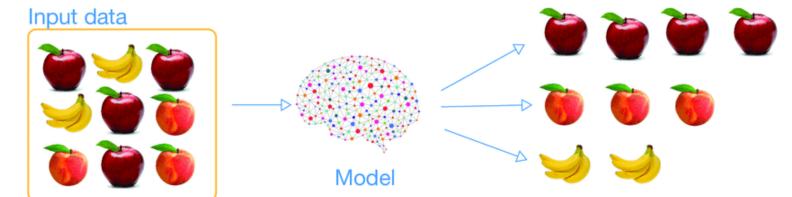


## Apprentissage supervisé / non supervisé

#### supervised learning

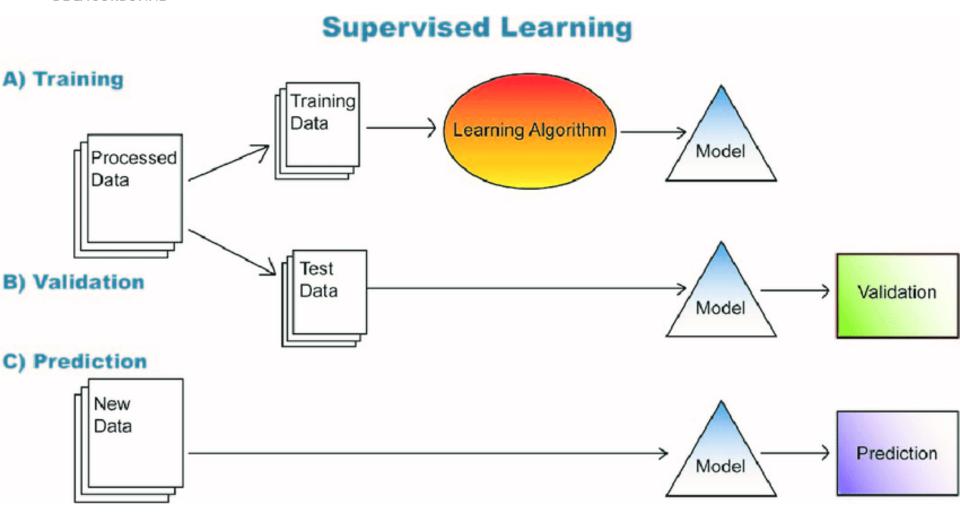


### unsupervised learning



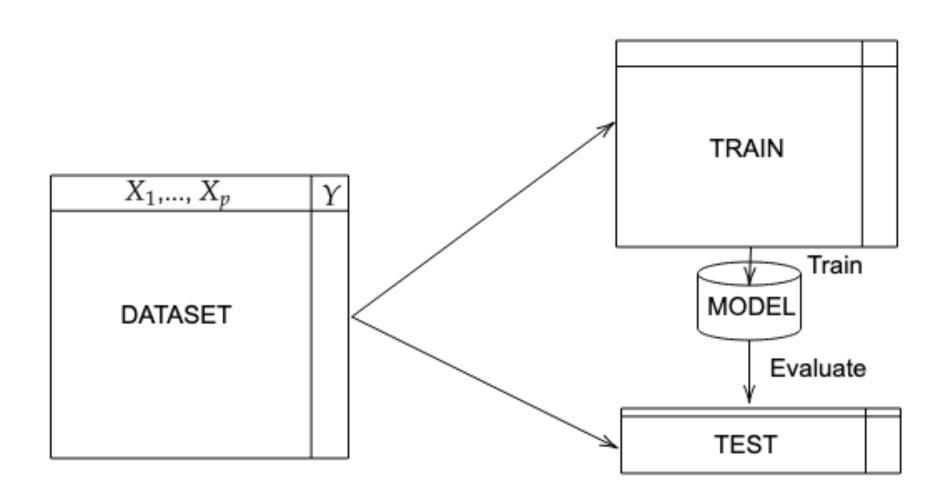


ÉCOLE DE MANAGEMENT DE LA SORBONNE





## Apprentissage supervisé





## **Types of Machine Learning**

