

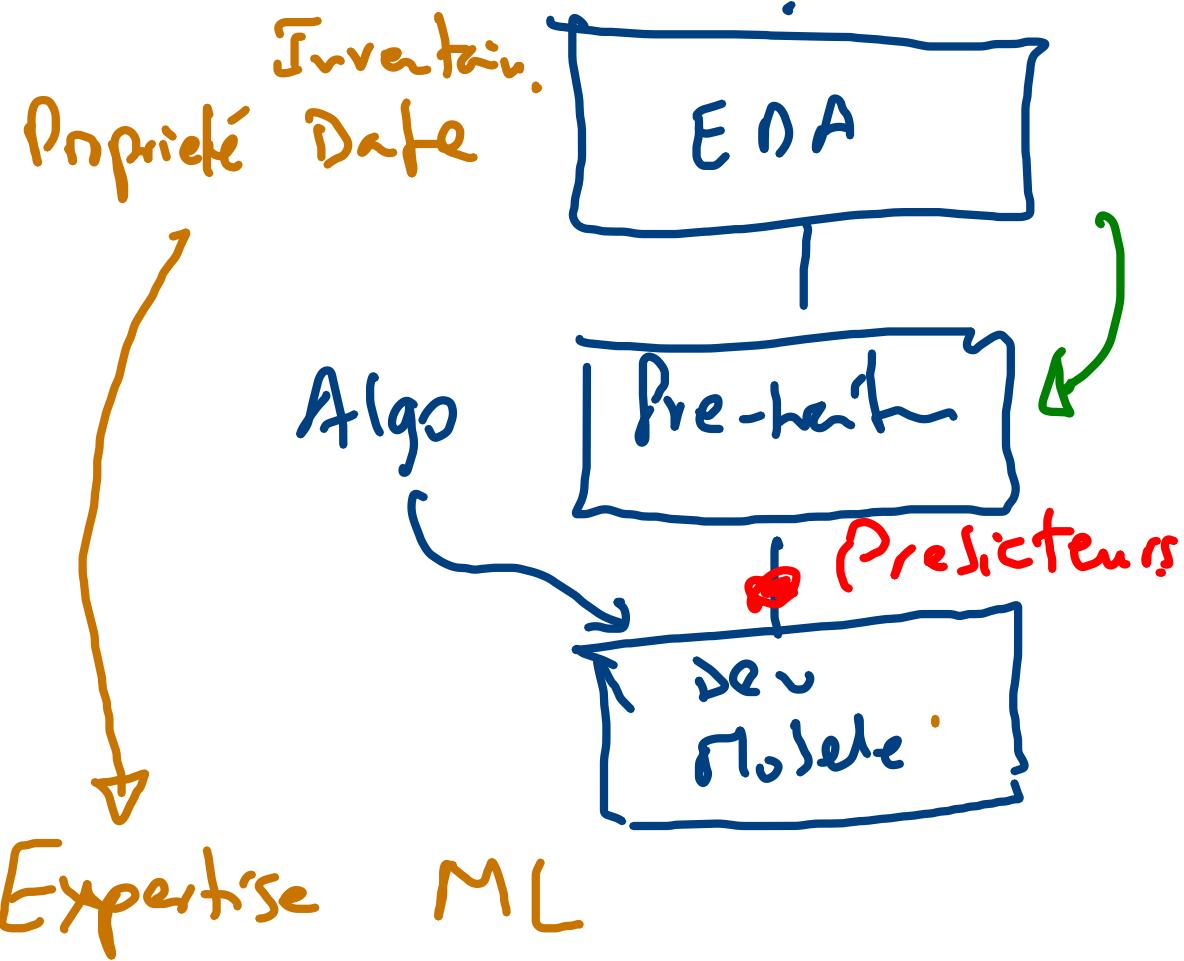
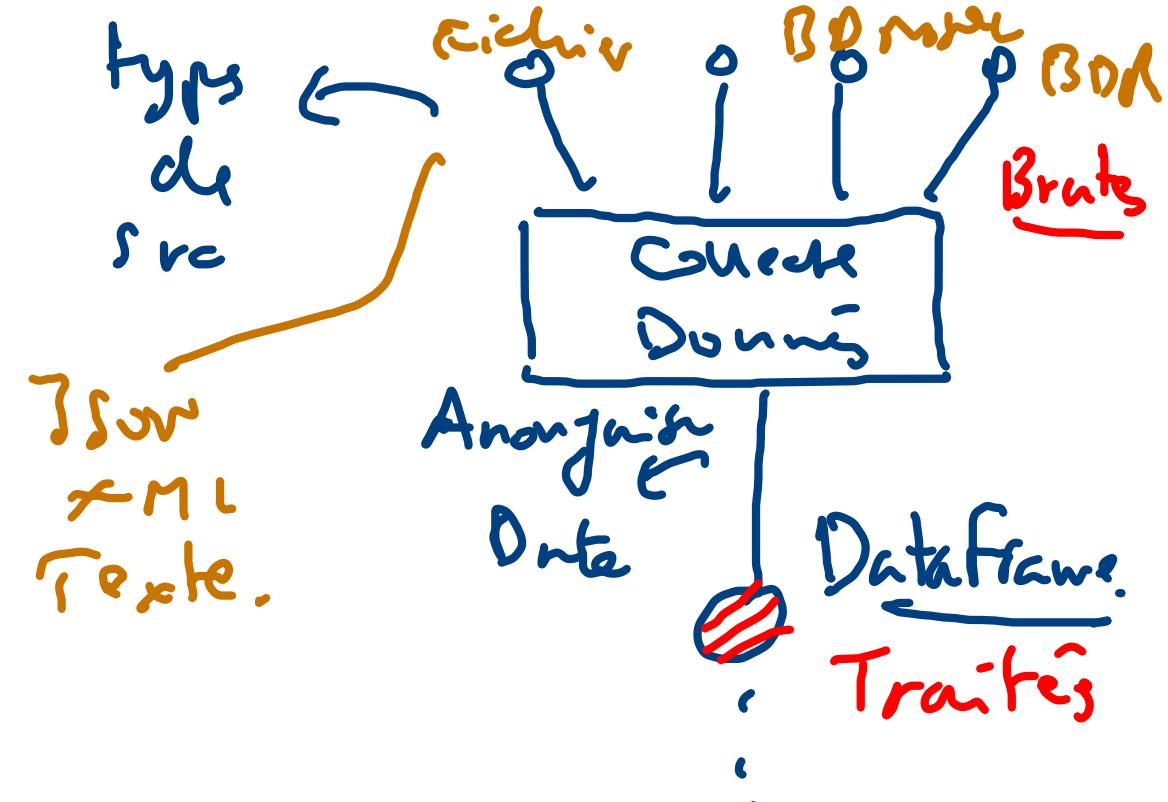
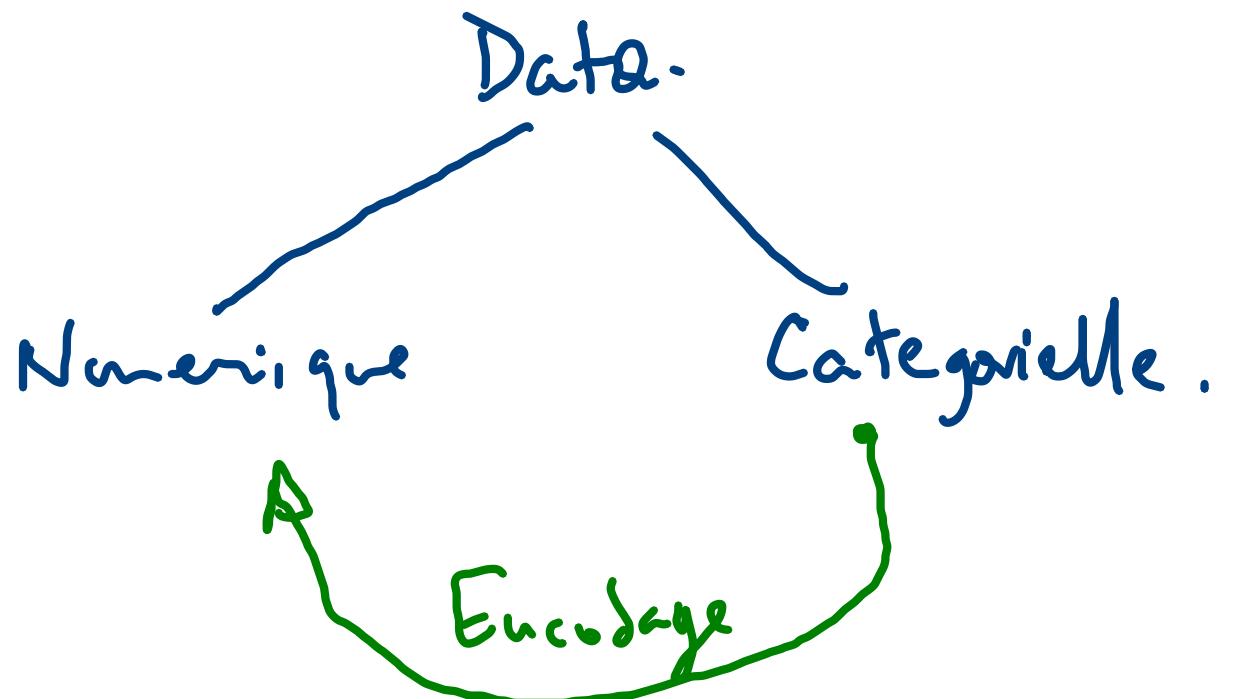
14 mai 2025

- 1-) Srvcs et Données .
 - 2-) Utilisation de fichiers
 - 3-) Réalisation d'un système ETL avec python .
-

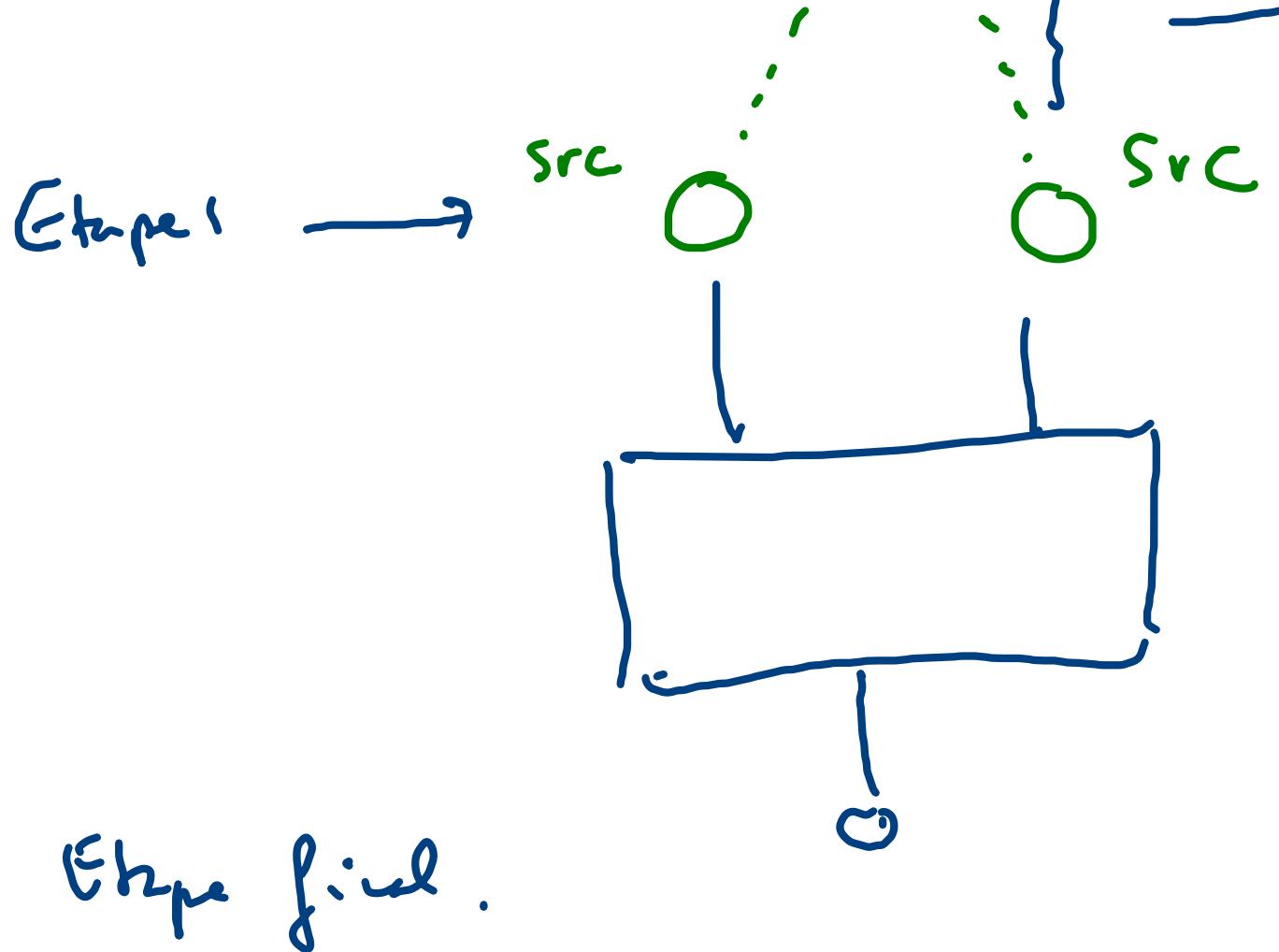
Workflow de Dev Model

1-) Characteriser les types de sources.

2-) Characteriser les données



Debut Problème

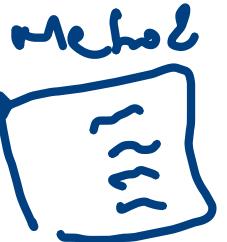


Collecte Data : Manuel / Automatisé \Rightarrow Categoricielle.

{
Sondage.
Capteurs



Métho 1



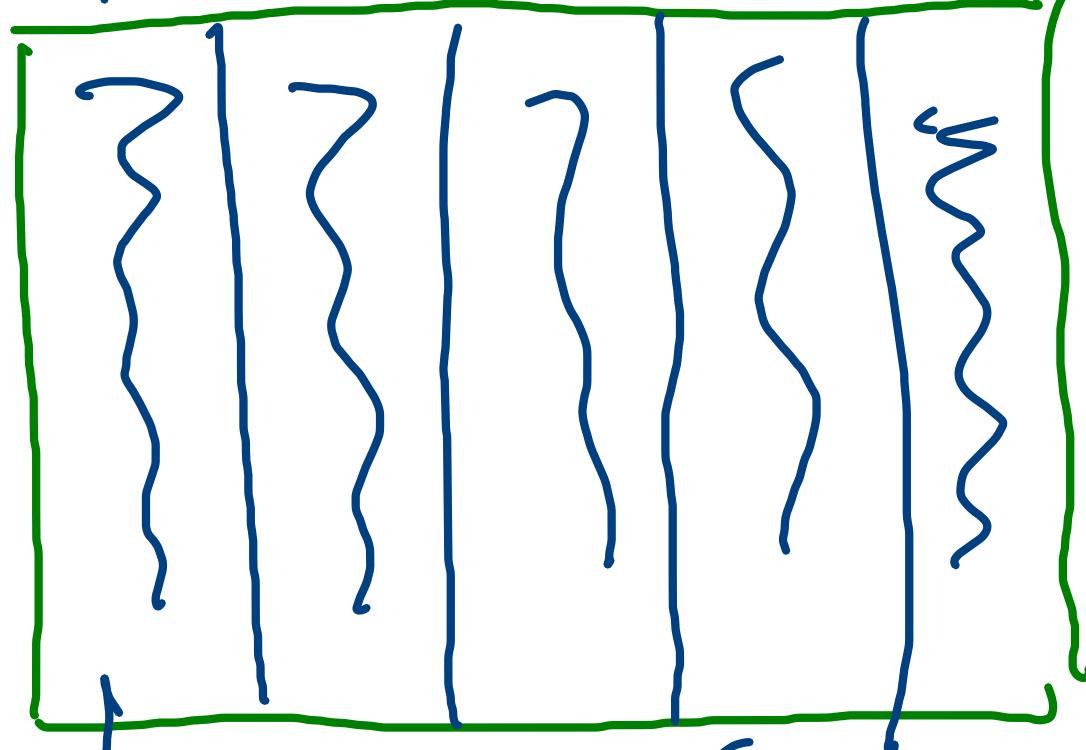
Méthod

Satisfaction :	Tres Bonne	10
	Bonne	9
	Moyenne	7
	Mauvaise	5
	Tres Mauvaise	0

BIAS

push x_1 Table x_2 Matrix $x_n \text{ (col)}$ Matrix ($n \times r$)

Pandar-
Dask
Spark.
;



Series

Descriptives

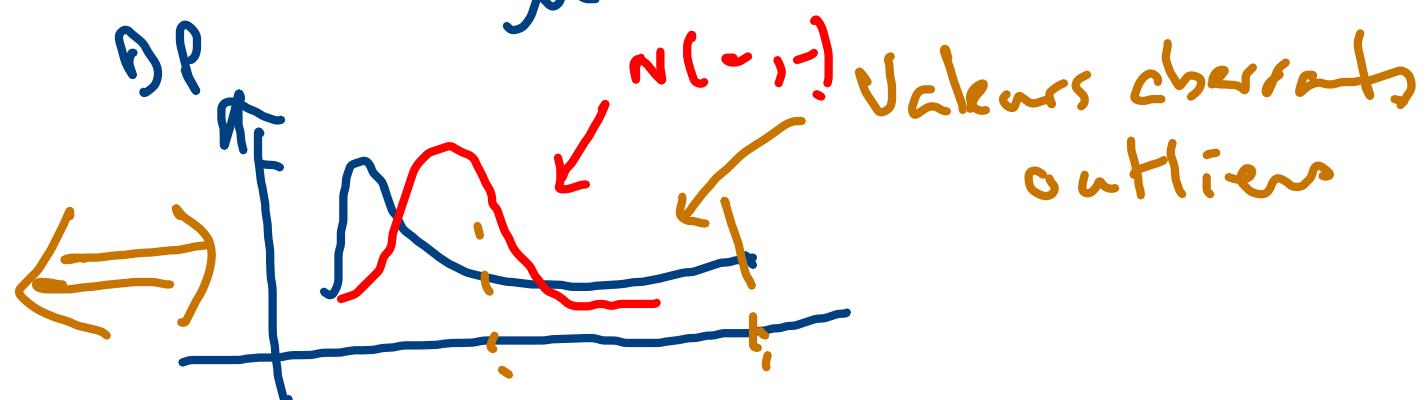
DP



b: Normal-

$$x_i \sim N(\mu, \sigma^2)$$

Dist Prob



$N(-,?)$ Values charts
outliers

Data Broker

fiducies

B.D. 2

BD Nodal

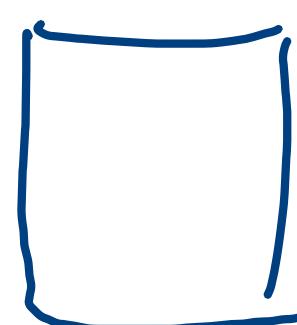
ATI

CONVERSATION



Transient

⋮



Data
Brut

Frida
(ID, name, salary)
10, Frank, 1200.
c)
florfr

Table(BD)

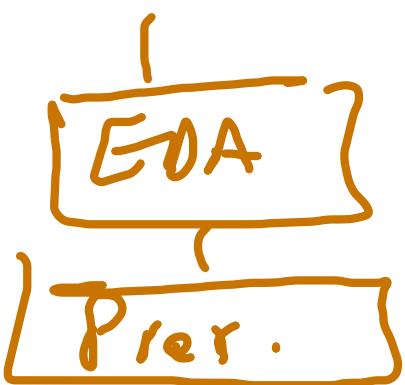
ID	name	Sal.	Age
50	Claire	700	

b, CLAir CLAIR



Data-
Tabelle

ID	name	salary	Tchukwaine,
10	florfr	1200	
50	Claire	700	



upper()
for now

Fichier.

