

26 Sept 2025

- 1-) Opérations de pré-traitements
- 2-) Contenu de la présentation.

TP: EDA, pré-traitement.

Questions & Réponses

Valeurs manquantes

1-) Series
Enregistrées

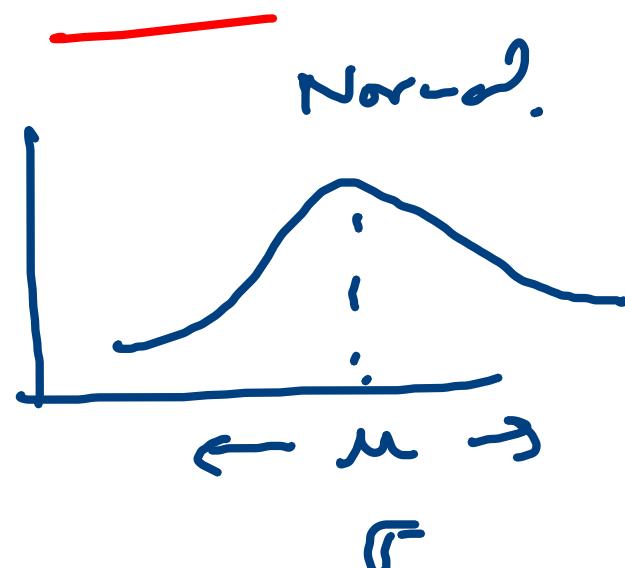
A hand-drawn grid consisting of 5 columns and 4 rows. The first column is empty. The second column contains two 'X' marks, one in the top row and one in the third row. The third column contains one 'X' mark in the top row. The fourth column contains one 'X' mark in the second row. The fifth column is empty. A blue arrow points from the left towards the grid, and a blue arrow points downwards from the top of the grid.

	X		X	
		X		
			X	

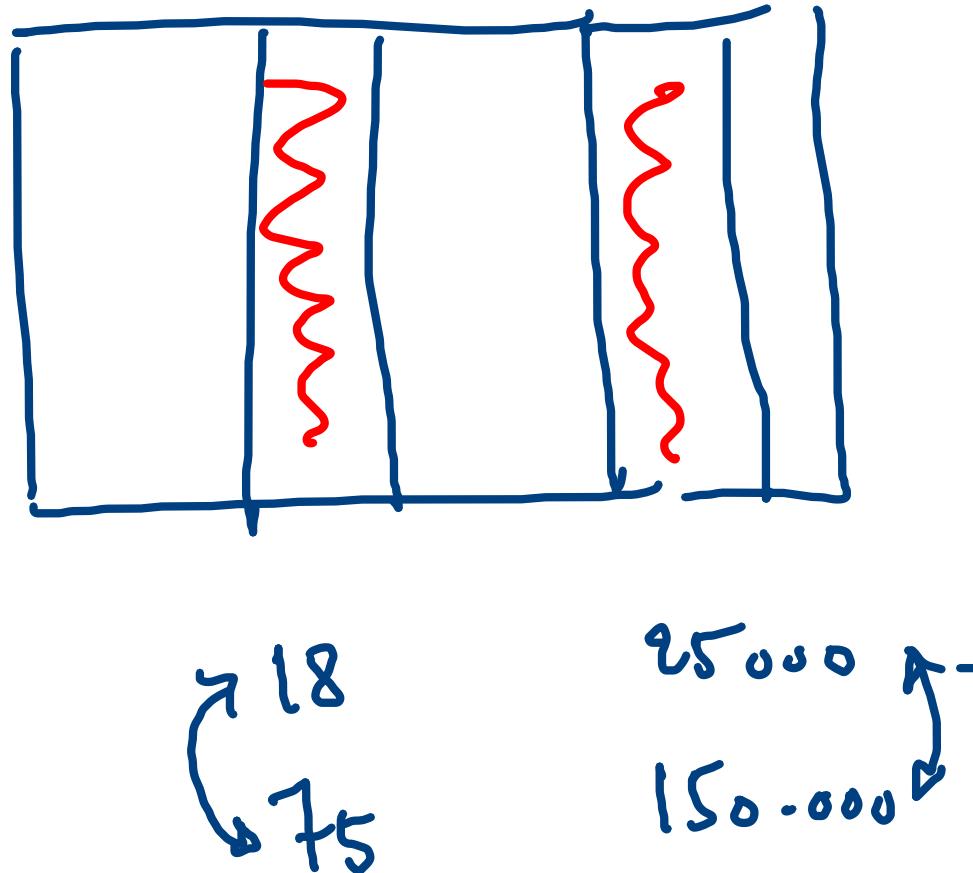
Suppression \Rightarrow Retrait \Rightarrow Perde
d'information

↳ Imputing \Rightarrow Stratégies de
Replace

Distribution Prob



Age. ↗ salaire .



Standard Scale. $\rightarrow X \sim \text{Normal}(\mu, \sigma^2)$

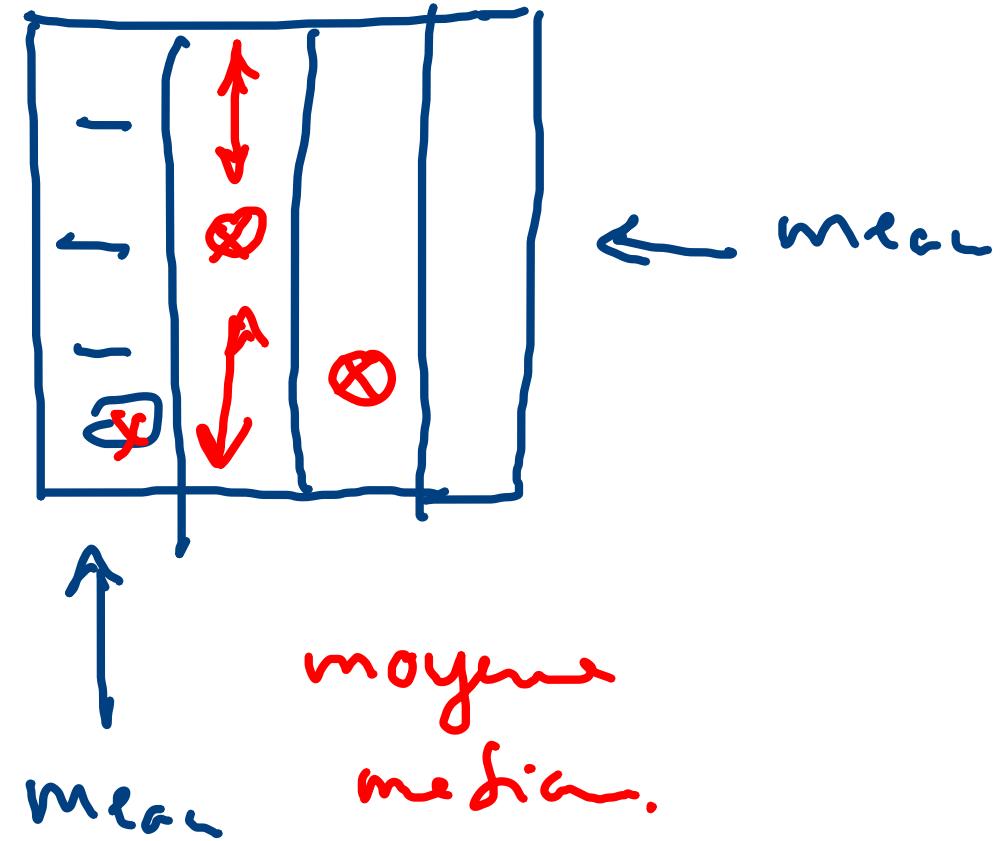
Robust Scale \rightarrow En presence Values Aberrante.

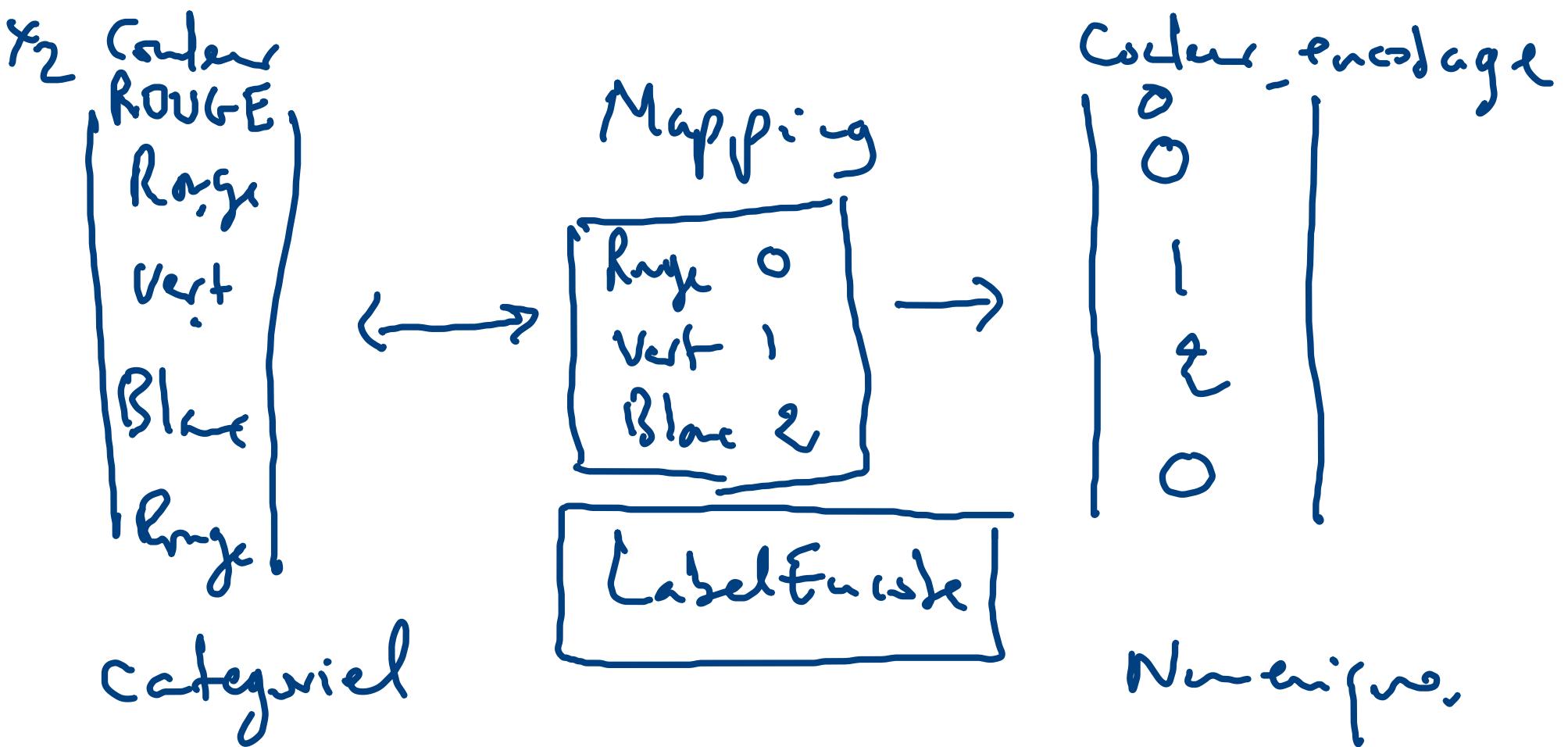
Min Max Scale \rightarrow Distribution n't autre
que Normal

Preliminaries: Determine la Distribution de X .

Simple Input

inputting





```

df['x2'].map(lambda t: t.upper())
    for t in x2:
        t.upper()
  
```

OHE
one hot
encoder

~~x_1~~ X
Rouge
rouge
vert f
Blanc
Blanc
Rouge

	$x_2\text{-rouge}$	$x_2\text{-vert}$	$x_2\text{-Blanc}$
Rouge	1	0	0
rouge	1	0	0
vert f	0	1	0
Blanc	0	0	1
Blanc	0	0	1
Rouge	1	0	0

Plein de
Zéro.

Zéro

Présentation.

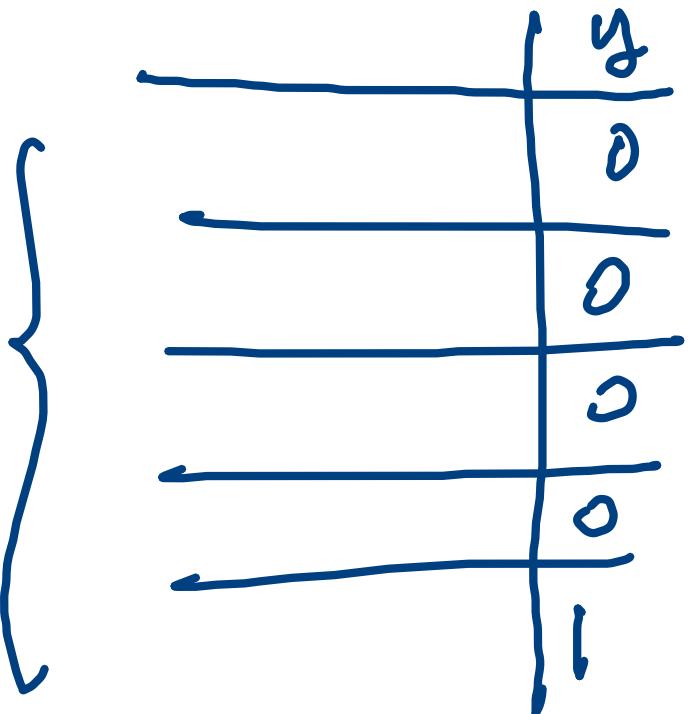
15 min - 20 min.

- 1- Présentation du Besoin. (2-15 slides)
- 2- Chaine de Dev utilisée.
- 3- Type modél. et Algo(s) utilisés.
- 4-) Métriques obtenues.
- 5-) Configuration et Interprétabl. des modèles.
- 6-) Difficultés rencontrées -
- 7-) Compétences acquises.
- 8-) Conclusion

Regression	RL. Ridge. Lasso.	RMS ϵ R-2
------------	-------------------------	-----------------------

Classification	KNN. DT RF	Accuracy. Precision. Recall.
----------------	------------------	------------------------------------

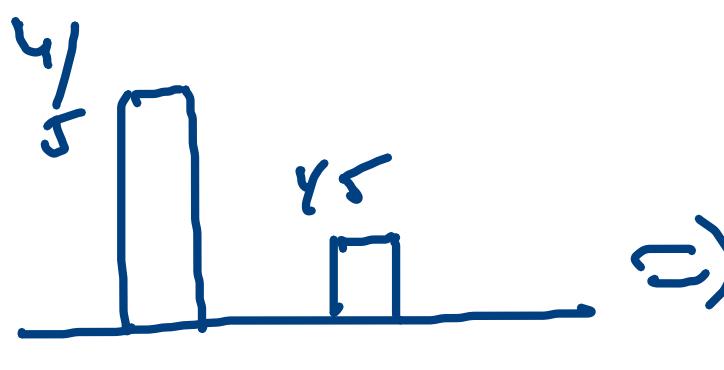
Training



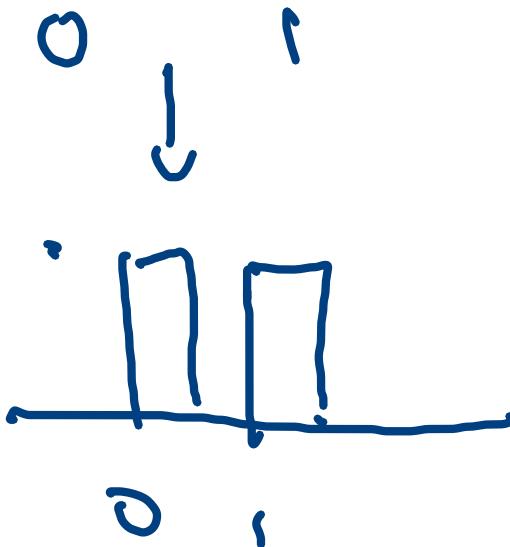
$$0 \rightarrow \frac{4}{5} ?$$

$$1 \rightarrow \frac{1}{5}$$

predict 0 ++
1



Resampling du
Dataset



machine learning
mastery ~