Handling	Missing	Valyey

- Dead injurying rapides
- 3 Impute missing Value

Numerical

D Mean

D M- de

Median Couliers

1 New Care Jan

3 Mode

1 Constant

Time-series -> BFill, F-Fill, Simple AVG, WAR

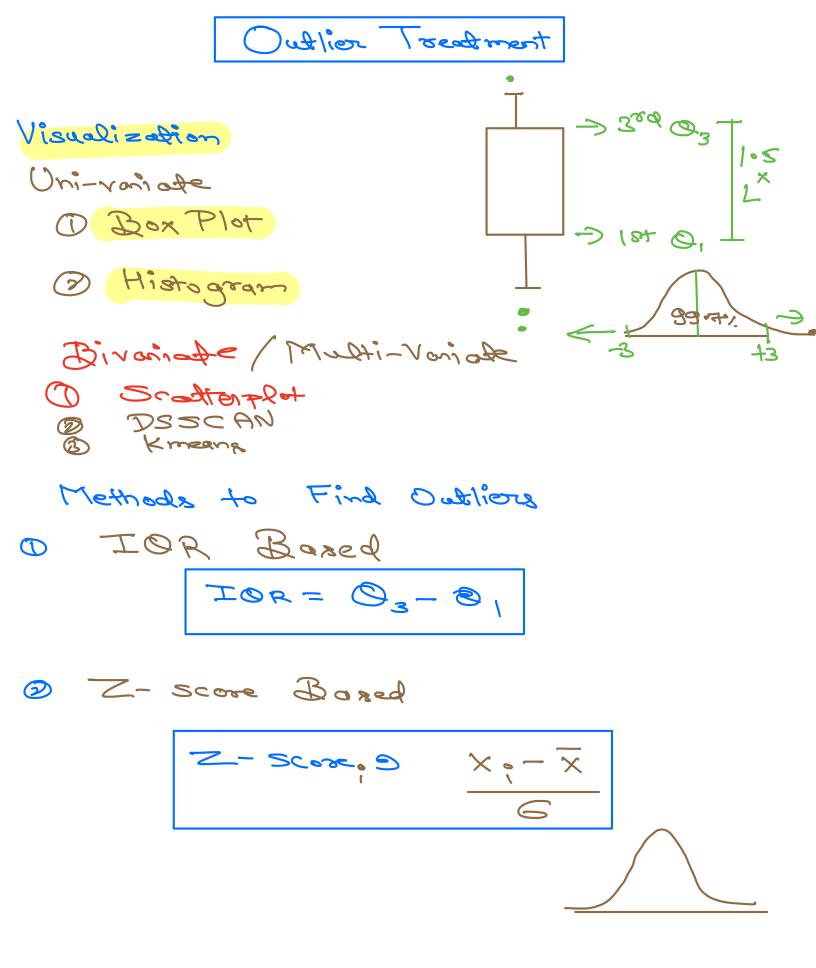
5 10 (15) 20 1000

mean of 500

+ Python Por Imputing:

O Fillma ()

2) Simple Impulses



Categorical to Numerical

ML Models process Data conty "in Numerical Joannati Cat_sto ___ Cat_num

Methods to Convert

- 1 One Hot Encoding
- 3 Label Encoding
- 3 Target Encoding

Ore Hot Encoding

	Col	_			Dø	C J	Po
	Dr				\rightarrow	0	0
2	€,v				0	1	0
3	Pr		OHE)	0	0	\
(4)	Dr				\	0	6
3	Pr				0	0	(
	7	good			Teo Cont		

Issue: Many Sparse columns are added
leading to Cyose of Dimensionality

Label Encodes Col Label Encodes

Col

Issue: Nominal Categorical Data - Ordinal Categorical Data - Data Data

Pr:23

enotes & Da:0

Torget Encoding

Dr Tanget Encoder

En

Pr

Dr

Pr

Newrood

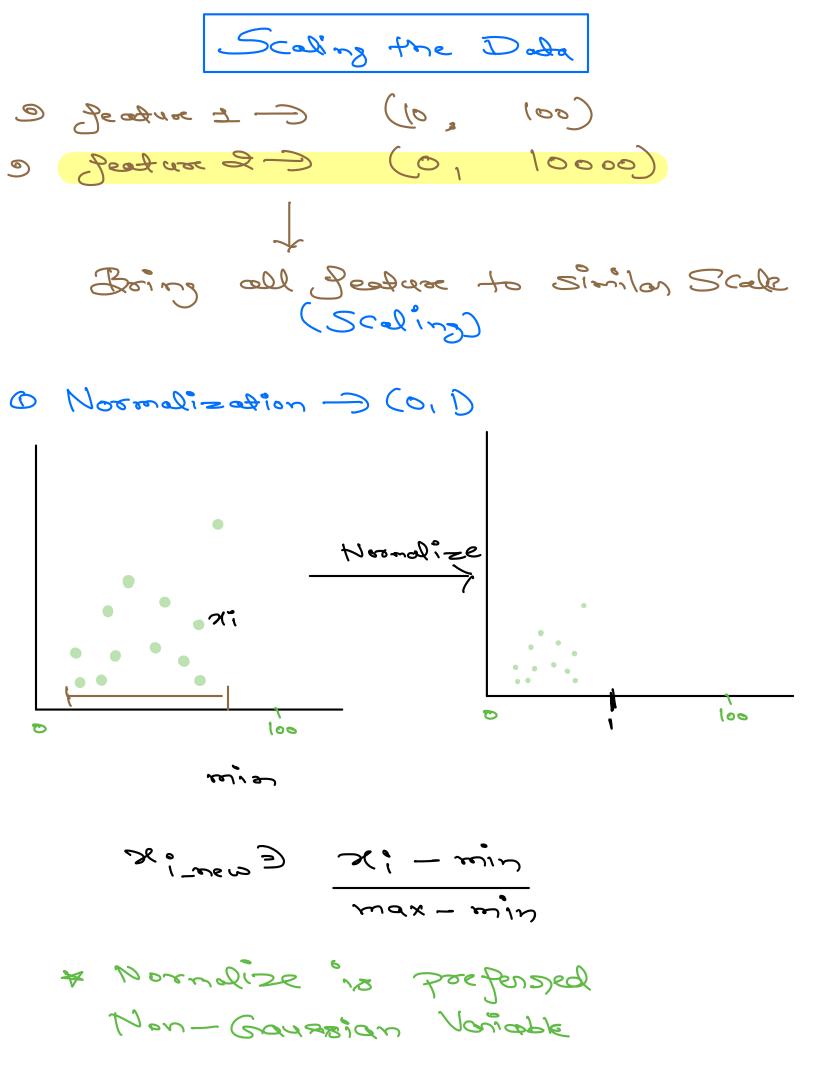
Avg (Do-T)

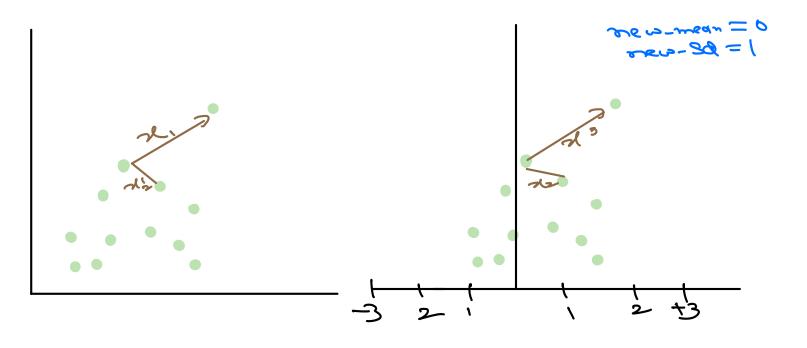
Avg (Pod)

Avg (Do-T)

Avg (Pod)

Avg (Pod)





$$\frac{\times - i\times}{\times \times b+2}$$
 $= \frac{\times -i\times}{\times \times b+2}$