

Agenda

→ Null Values

- ◉ None vs NaN

- ◉ isna() and isnull()

→ Handling Null Values

- ◉ Remove null Values

- ◉ Imputing Null Values

→ String Datatypes

→ DateTime

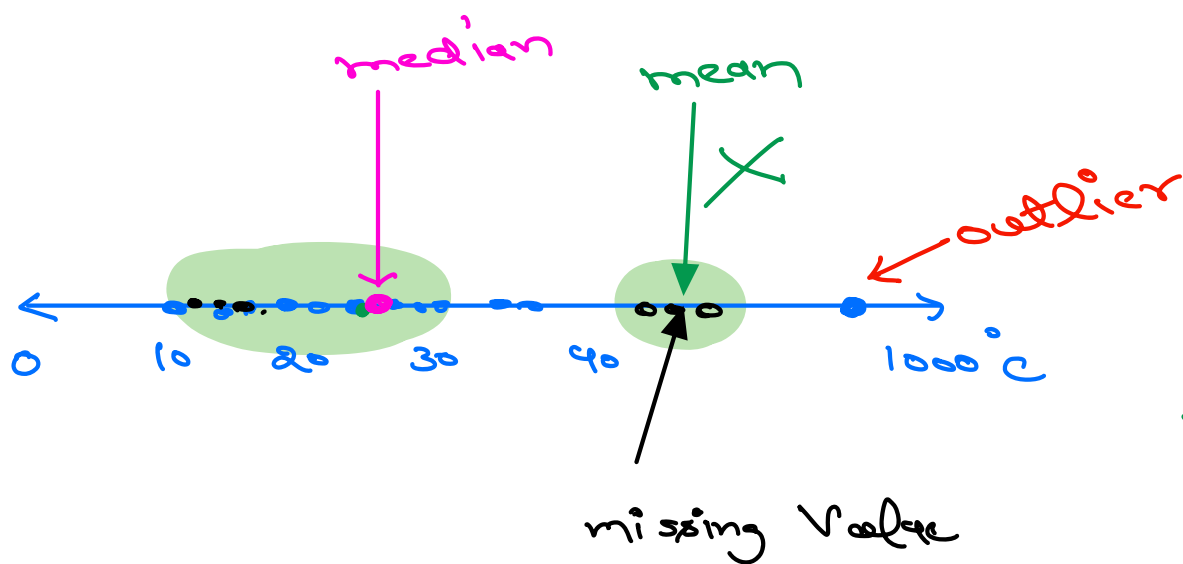
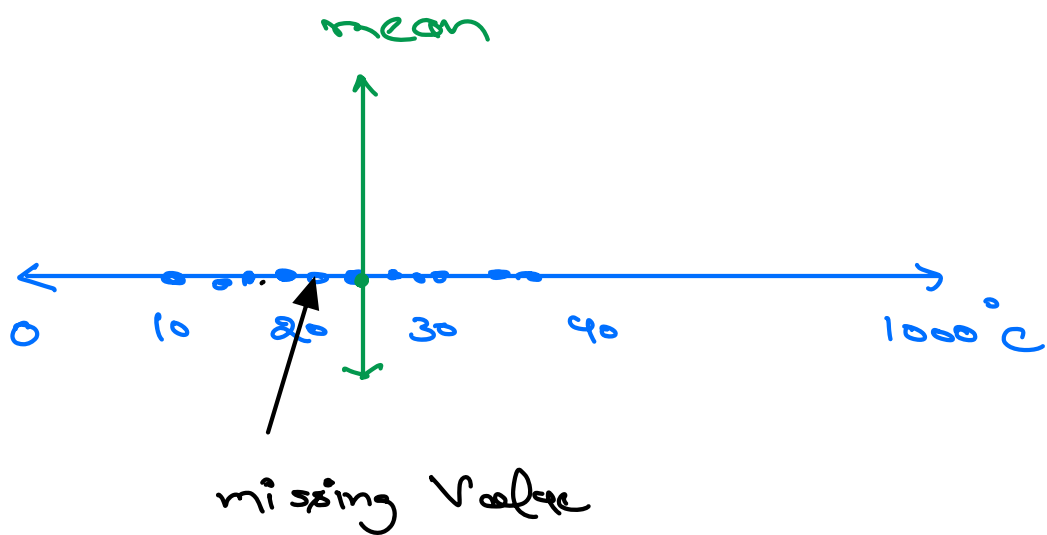
→ Writing to Files

Null Values

- ◉ None (Typically present in Object cols)

- ◉ NaN (Not a Number) ◉ (Typically Observed

in
Numerical Cols
(int, float, bool)



mid
point



Mode

Size
L → 1 2
M → 2 1
S → 0
L →
S →
None →

$$\text{mean} \rightarrow \frac{2+1+0+1}{4} = 0.91 \quad X$$

0 ① 2 → median X

L → 2 time

M → 1 Time

S → 2 time

Scenario 2

L → 125

M → 209

S → 129

String Methods

① Can be used on object types

Ex:

② `Series.str.contains ()`

`Series.str.split ()`