```
DATA PRE PROCESSING; HANDUNG MISSING

VALUES

Something you have to deal, will need to apply human
intelligence to solve
pand as - Broll(). Sun() - for each column and row
can dropona() on the data frame Crows)

rean drop columns dropna (axis = 1)

- can apply thresholds, Insts on drops, etc

Ros: Too wich data (ost: over fitting, wider confidence
internals, ect.

May bis sample

Columns: May lose information in features (undefitting)

Before dropping or imputing wissing values, ask:
```

Columns: May lose information on features (underthough)

Before disposing or impulsing unissing values, ask:

- what are the medicanisms causing the missing values?

- Are there missing values wissing at random?

- Are there rows or columns missing you are not analoof?

Missing at random? Imput

estimate using mean, median, most fraguent

other val from business context

(catagorials),

sklearu Imputer

Advanced Methods - Turpoting Missing Values

MICE - multiple importation by chained existous

sklearn. importe MICE Impoter (vo.20)

Python funcy impote package

KNN impote

Set Impote

MICE