Missing data		
111 33 mg		
Reasons of missing data:		
- human langer	# of rooms	Price of have
> human error > date corrupt		286
(10 s) Cott 1 p		
		206
* Missing date occurs in a detaset	3	20 F
* Missing date occurs in a detaset When some of the information is not saved stored.		60L
not could closed.	5	70
700 . 200000		
1 Missing Completely at Random (M	(AR)	
The date missing is	\ da\ a.da	t of shoened
-> The date missing is	Indeplina	0,930,000
and Unobserved date In	rishing date.	
	ď	
* Curved ! I I I I I I I I I I I I I I I I I I	· Dun I	
* Survey: if a person is suffere	my from	a disease
	Patient c	licease
		W3-0-3-C
	A	Yes Here missing
	A	Yes Here missing
	A	No Here missing Value is o value is o value is o
	A	Yes Here missing
	A	Yes Here missing
	A	Yes Here missing
	A	Yes Here missing No value is o not depending on either of observed yes value
	A	Yes Here missing No value is o not depending on either of observed yes value
	A	Yes Here missing No value is o not depending on either of observed yes value
	A	Here missing Value is Value is No Value is on either of observed yes value or other value yes Every footient is independent
	A	Yes Here missing No value is o not depending on either of observed yes value
@ Missing at Random (MAR)	A B C C E F G	Here missing No value is of No value is of No value on either of observed yes value value Ves missing value Severy foaticut is independent of each other.
@ Missing at Random (MAR)	A B C C E F G	Here missing Value is Value is No value on either of obscreet yes value or other yes missing value is independent of each other.
@ Missing at Random (MAR)	A B C C E F G	Here missing Value is Value is No value on either of obscreet yes value or other yes missing value is independent of each other.
	A B C C E F G	Here missing No value is of No value is of No value on either of observed yes value value Ves missing value Severy foaticut is independent of each other.

family > income of all family member.
use if the feeling weekers of one due to
> One of the family member don't want to disclose the income due to age experience gender or any other factor
but not dre to their income level.
3 Missing date not at Random (MNAR)
Missing values defends on the value of missing date itself.
micina data itself.
7 7 3 3 7 4 7
et income and job satisfaction of employees
It income and job satisfaction of employees In a company.
> The employees who are not satisfied in
the company will refuse to report
their income, then date is Missing
data not at Random.
or Missing value treatment (should be caked) and
or Missing value treatment (should be asked from business team)
Why? - For analysis & ML frediction ut is important to deal with missing value.
Dif the date is huge and missing value is less than 1.1 ef date, you can drop the missing value.
than I'l of data, you can drop the missing value.
2 impute (Réplace) the missing values
Continuous Categorical in nature in nature
in nature
/ mode

Survey To Know the Income of Jeophe.

mean median or if the outlier treatment is not done then impute the missing value with median. 3) if any column has missing value greater Ham 40%, drop the column. 4) impute the missing value with a roundom humber or with a value which is not Marks