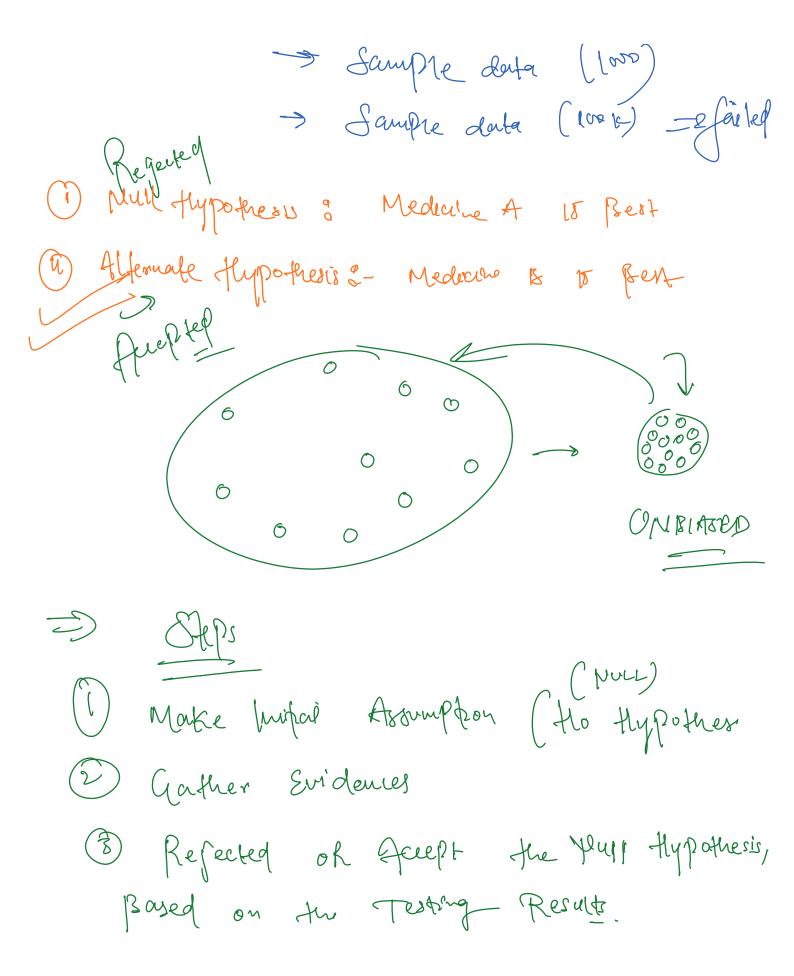
- Stepistics 3 Z-Score -> Use case of 8td Normal despribupor/ Caussian du/ Compenical formily Thypothesis

Hypothesis Testing Here we evaluate two Mutual exclusive Statements on a Population data, voning Sample data then we conclude that this Population belong to a Ranticular Statement or not. 2) Roll a dere  $C_1 = \text{even number} \qquad \boxed{2_1 u_1 G}$   $C_2 = \text{distrible by 3} \qquad \boxed{3_1 G}$ 1 Hyothesis > Assumption \* Headach 3 thro to Relief Mediani A 2 Hrs to Robief Mederine (13) Poials -> Sample data



When we are testing pull typhothesis against alternale hypothesis, there are 4 to accepted when to 18 true [correct (i) the rejected when the 18 true [ terror] (ii) the carepted when the 18 false [Correct] Tyle! \* Type II error li More dangerous

P-Value (Probability value) à-H P valve for any Assumption (H.) 18 more than 5 % then we go and aucht the Hull Hypothesis. Kange of Probability o-1 If P value  $(\vec{s}) > = 0.05$  ( $\{\vec{s}\}$ ) then we accept our Claim (40),

Variables in Sterlistics

4 Harriable is any characteristic,
number, or quantity that can be
upeasured or counted.

1	total_bill	tip	sex	smoker	day	time	size	
<u>)</u>	16.99	1.01	Female	No	Sun	Dinner	2	
3	10.34	1.66	Male	No	Sup	Dinner	3	
1	21.01	3.5	Male	No	Sun	Dinner	3	
5	23.68	3.31	Male	No	Sun	Dinner	2	
	24.59	3.61	Female	No	Sun	Dinner	<del>-</del> 4	<u></u>
1	25.29	4.71	Male	No	Sun	Dinner	4	)
3	8.77	2	Male	No	Sun	Dinner	2/	/
)	26.88	3.12	Male	No	Sun	Dinner	4	
0	15.04	1.96	Male	No	Sun	Dinner	2	
1	14.78	3.23	Male	No	Sun	Dinner	2	

> Vanables

Types

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Confrons Sey (flowt) 24.8 95

Mominal M. Sun F. M M. Tue Ordinal Excellent 1 Cand Javi

Date Pine Daniable? date only > 18 June 2028 4:27 Pm 1ST Date Time (30th > 18 Tuine 2023, 4:27 Ry Mixed Vanable; Perentage (Kenformance) 8fu 10

Machine Cearning A et is a Subset of Artificial Intelligence. or In machine learning we feed data to me models, And model derive patterns from data which they use to psedict the figure Images. Learn the Pattern foor Shower she had process the model Prediction > /morreat