## Hyrothesis Testing:

To test a claim about

sull maniory

1) Null Hylothesis \* always contains the equal sign. gheater Than ox 馬多星 Ho: M >K

@ Activative Hylothesis # allemate of Ho is equality y Ho:  $U \leq 18$ 

Ha: 4>13

# Tylus of www:

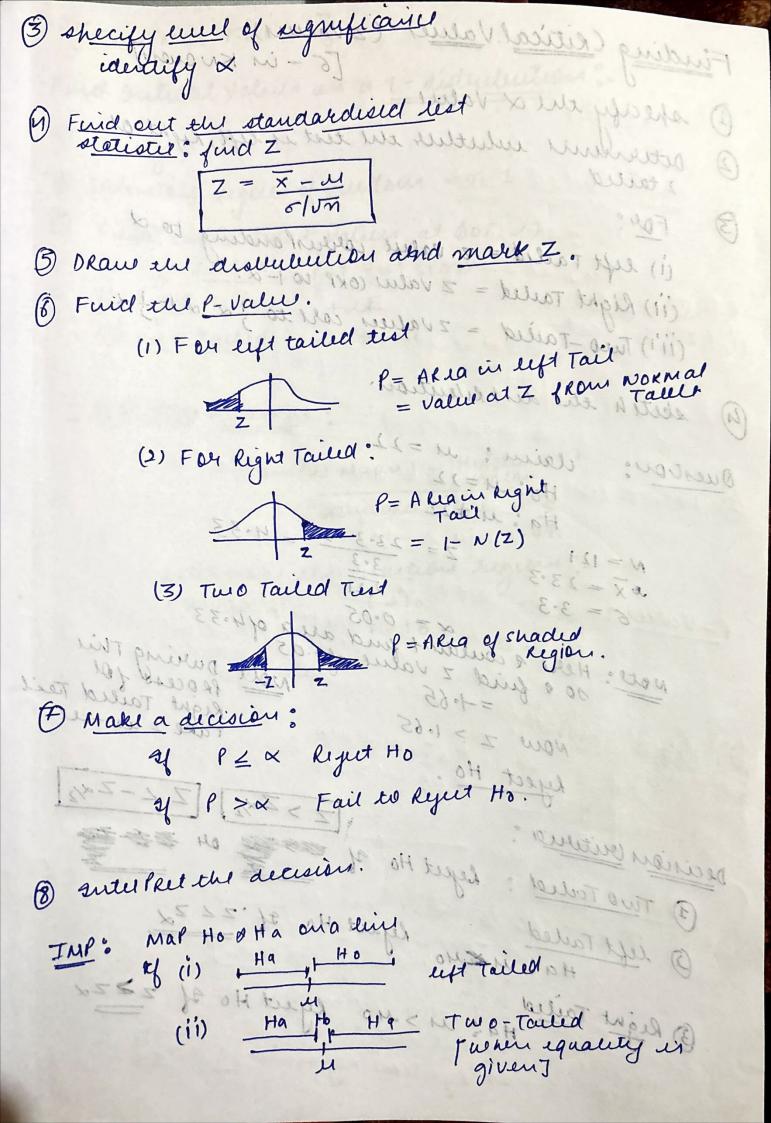
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	The state of the s	wer decision
Reject Ho	Type I expor	
0		a 1 exper.

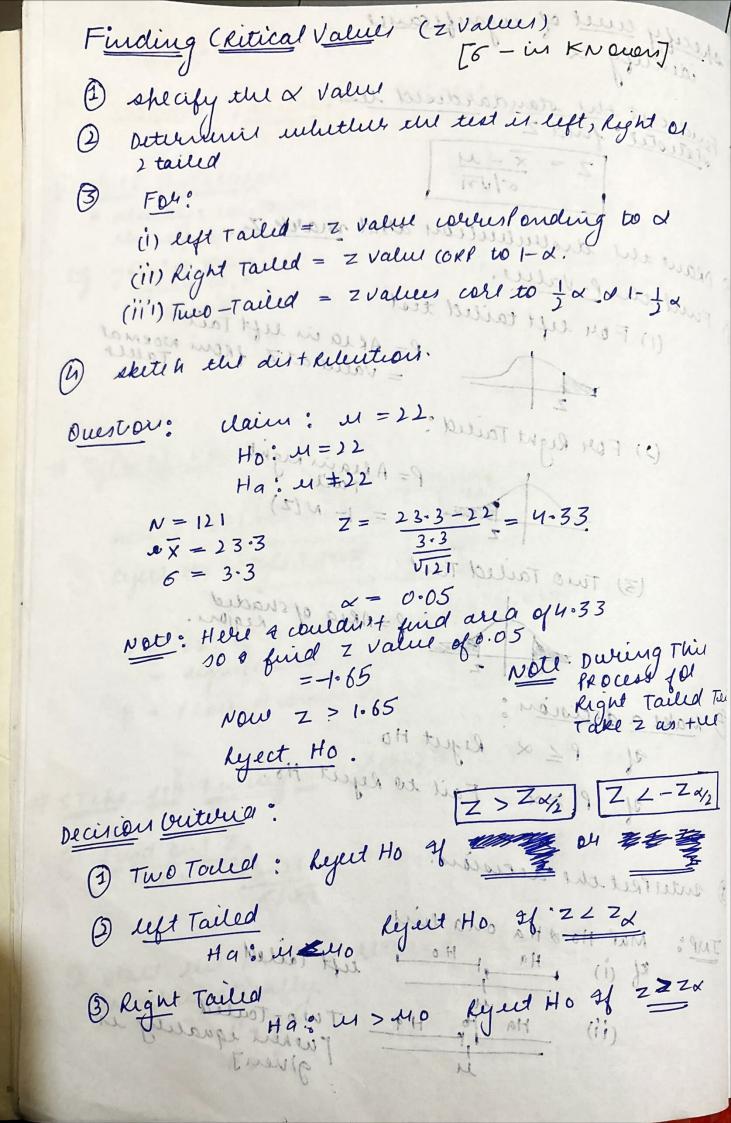
a = Prov of committing Type I expor.

= significance evel. B = PLOW of comm of Tyle 2 well.

# STehs for Testing a Hyportuesis: using p-valued 1042-Test

(2) state the Null & Alternative hypothesis Mathematically.





[6 is Not KNOWN] Fried viitical values in a 1-distribution: me-square (1) specify & @ calculate degrees of feudom = n-1 3 Fuid the vitical Values at 60F, a) (3) Two Touled: -ul offiles will s T-test for mean us: 55 / 10 of toped -+ (Sam / Man) - (Hypothesia) standard will = 5 1+2-to. Determine the regition regions:
FOUNTAILED: + 270 to 50 ruley?

William with the separation regions:
To white the regition regions regions:
To white the regition regions & test it in ordinal seft tailed W Right Toulid: on= mooH Ha: MSHO cettial eggen: 1 2- Test: 2- value costs to 12-8] - Take + use 2 value > Regect Ho of [2 > 2x] (2 To list: + value cell to (m-1) a) > Put - us sign -> Reference Region in 1+5+8]

End vileal Values in a t-distribution? chi-square (1) Left Tailed Test morning to war Harrison Engineer entrop Holium at 606 m= m: 0H Ha: MZMopismon by . Min His (1) (1) begin tailed: the CRitical Region: ① FOUZ-Test: ○ Z value corr to him i believe out (8) - Take Z - M B For T-list: > + value copp to (n-1, x) t 2 - to sign P-Value: () z-Test: [N(z)] We winnerted 2) T- test: calculate + value o test it in cretical belief Region (2) Right Tailed: Ho: M=40 Ha: 11>110 MO Critical region: 1) Z-Test: Z-Value with to [1-x] -> Take + ull Z value -> Ryed Ho of [Z>Zx] @ T- test: { value coll to (m-1, d) -> Put -u sign -> Rejection Région is [t > +0]

To in Not Known

