T- text

@ Recap Francework

@ Recof Z-Text

1-Sample T- Test

@ 2-sample T-Test

Recop: Franework - You observe Chance Vs Significant Randon

Effect

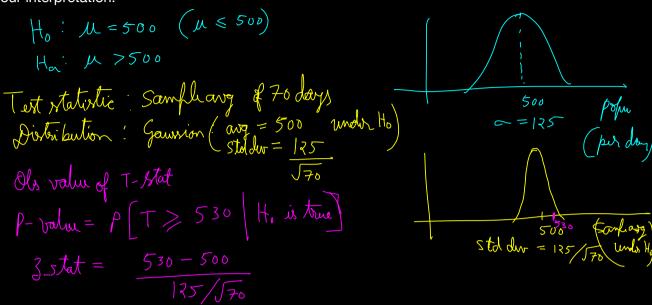
Warden of Ha

Ha

Proof Null Vs Atternati Ho Test Statistic, distribution Left Vs Right Vs Two-tailed P-value: Prot of seeing data given Ho is true (4)Significana level: 0.05 -> Confear p-value.

p-value < d -> reject Ho

A french cake shop claims that the average number of pastries they can produce in a day exceeds 500. The average number of pastries produced per day over a 70 day period was found to be 530. Assume that the population standard deviation for the pastries produced per day is 125. Test the claim using a z-test with the critical z-value = 1.64 at the alpha (significance level) = 0.05, and state your interpretation.



Sample T-Test
Improve I a with a field !!
Population ang $IQ = 100$
Try on a few people 110, 105, 98, 102 VS 100
8 profile
Ho: M = 100 (pill has no effect) (M -> avg Id of his labely 12)  Ha: M > 100 (pill has positive effect)  Sight tail
Text statistic: santhavy of 8 people -> 103-5
100 103.5
Jestat = 103.5 - 100  L-stat = 103.5 - 100  Stel der of the samples  (this is not Std word) Is also  nonly
b-value from 3- rtat  This is not possible  T-distribution  degree of freedom: 8-1=7  (In detail later in ChiSq)

If we know sangle mean of 8 numbers, then
only 7 values are enough to know the whole dataset?

Sangles of I Q ofter

taking fill

Saify (that I sanh) -> I sangle

That

.

2 sample T-test thest\_ind (Independent) Samply Samples School ? school ! 101.15 Sanfly 109.6 & drug ? Drug Recovery ting brug! which is butter?  $\mathcal{X}_1$   $\mathcal{X}_2$   $\mathcal{X}_3$   $\mathcal$  Sording rung: Is recorning pattern similar or different in 1st ims Vs 2rd ims

1st ims - 46

2rd ins - 40

B

Ho: M=M2

Ho: M=M2

Ha: M>M2

"greater"

"lung"

Los 

S

No. 

B

Ho:  $M_1 = M_2$ Ho: