MBC 638

HYPOTHESIS TESTING

Confidence Interval

population sample

M is untrown

Isterval:

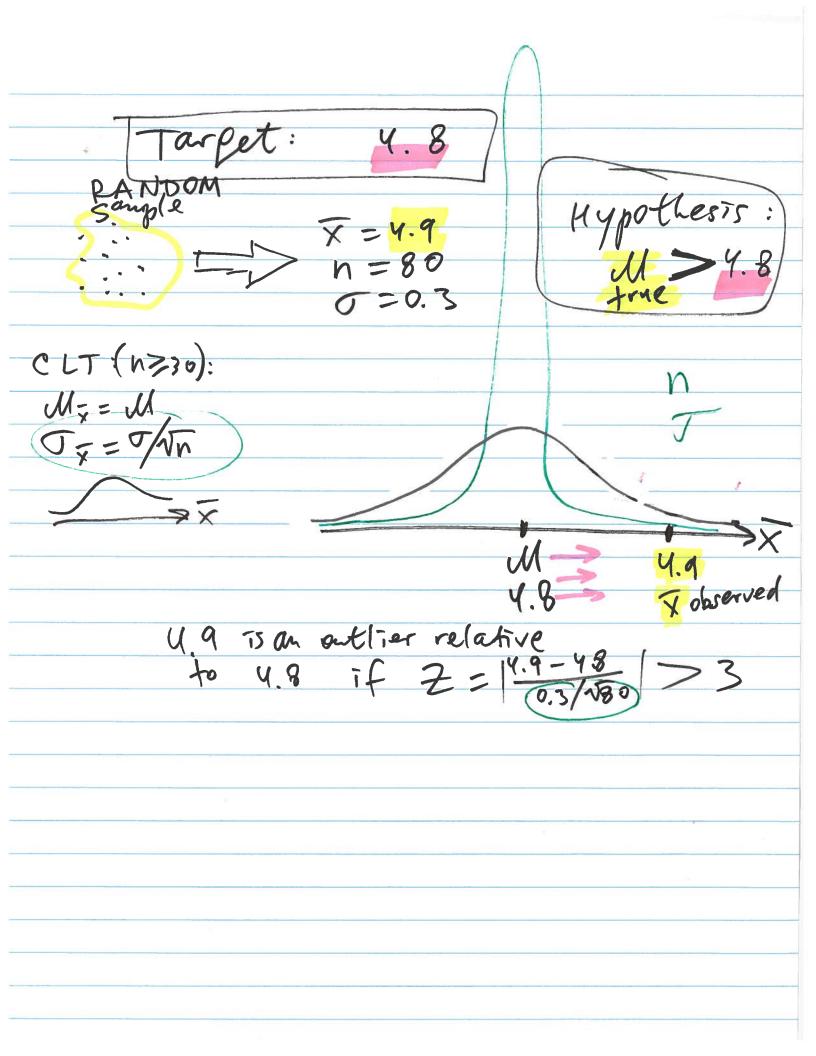
Hypothesis for esting

Sample

population

Hypothesis:

or U/<15 or U/ +11 FALSE



Stidezy
Nationally, Ill = 21.6
Santa Barbara: n=76 >30
F= 24.1
S = 4.8
a) L=0.05 Ho: Mss 521.6
HA: MSB = 21.6
Test states is
"Case (2) /= x-40 = 24.1-21.6 = 4.5 Turknown /= \$/Vn = 4.8/1/26
7 70
n =30 . p-value:
pralue = P(t > 4.5)=0.000011
Sif it was Z:
= 1 - novn.dist (4.5,0,1,1)
. Compare pratue with L: +=005 pratue = 0.000011
· Compare pralue with L.
J=0.05 pvalue = 0.000011 Réject Ho. Yes, we do have
Réject Ho. Yes, we do have
evidence that the overall
overage wilk consumption in SB
Ts higher that 21.6.
6) · Ho: WSB = 21.6 KA: WSB 7 21.6
6) • Ho: Wsp = 21.6 KA: Usp = 21.6 · prairie = 2 • P(+> 4.51) = 2 • 0.000011
Percet 10. =0.000022
Réject 10. = 0.000022

95% C.I. for Ms8:

X ± top : Nn 25.20 23.00