

2.6 pbm → 100 magg/

Criminal

Ho: innocent

Ha : guilty

Ex: 2021

travel time = 40 min

2022 : 1

Ho: Aug convite time = 40 min

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A : F 40 min
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Criminal

Ho: innocent

Ha : guilty

If Guilty

Reject Null Hypo

Not Guilty

Falled to reject NUM Hypothy

Ex: Air conditioned = : 2021

Aug demand of Ac units Istore language

=350 Ac pn

2022: heat increased

Ho: N= 350

Ha: W\$ 350

Rules

Ho: = \le \rightarrow \rightar

at least of at most or

less than "

cl greater than?

Amazon: Claimed that total revenue in Dec 2021 was at least \$14 bilking

Ho:  $\ge 14 \pm 0illion$ 

Ha: < 14 35

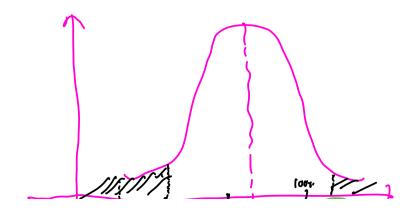
Amazon: Claimed that total evaluation in Pec 2021 Was greater than \$ 19 B

> Ha: > \$19\_B Ho: \leq \text{J14\_B}

= Aug (core = 70 rus)
Over 5 games =

If Aug score ⇒ 20 runs → less likely

3 65 runs → more likely



Ho = 70 80N) Ha = 70 run)

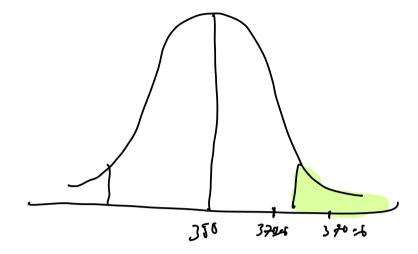
SOLAN 30LAND ELLAND LOLAND ALLOLAND HA & F 70 rumr Two tailed test Mediche (Paracitanol) optimal quantity = 500 mg if less: no canss If higher side effect Hip "<" -> lower talled test

If A ">" -> right talled tx 1+

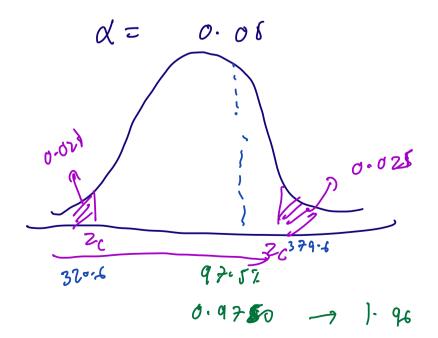
Critical value Method

store  $\Rightarrow$  350 Ac unit /store sample from 36 stores W = 370.6

Ho: W = 350 Ha: W \$ 360



Std exxox = 
$$\frac{5d}{5484}$$
 ( # of ran mbles)
$$\frac{90}{\sqrt{36}} = 15$$



$$LCV = W - (2c * 6x)$$

$$= 350 - 1.96 * 18$$

$$= 320 - 4$$

320.6 - 379.4

Break: 10:41 pm

03

Ho:

N & 350

Ha: W > 350

Z-scare ) 1. 645

.950

03

Max = 2-8 ppm

Dample = 100

Z= 2.6 ppm

Q = 0.03

$$\mu_{\bar{X}} = \frac{5}{50} = 16$$
 $M = 350$ 
 $\bar{X} = 370.6$ 

$$Z_{5core} = \frac{\overline{x} - W \overline{x}}{\sigma_{\overline{x}}}$$

$$= \frac{370-6 - 350}{15} = 1.34$$

check in Ztable = 0-9099

d 2 0-01

Fail to regel)

t- test
other distribut)

99 & clt
AB test
—When