2000 retail chains

1800 shamper bottles.

M= 1800 sd= 100

Marketing teams??

Marketing A

50 stones

(1850)

Marketing B 5 stores 1900

, can le made

Based on alive no decision

Firm A

Ho:
$$\mu = 1800$$
 7 Hypothesis

Ha: $\mu > 1800$ 9

distribution \Rightarrow gaussian (CLT)

(m)

 $\mu m = 1800$ 3

 $\mu m = 1800$ 3

 $\mu m = 1800$ 3

 $\mu m = 1800$ 3

p-value:

- norm.cdf(z)

$$Z = \frac{0b - Mm}{6m}$$

$$Z - statistic = \frac{1850 - 1800}{100/150}$$

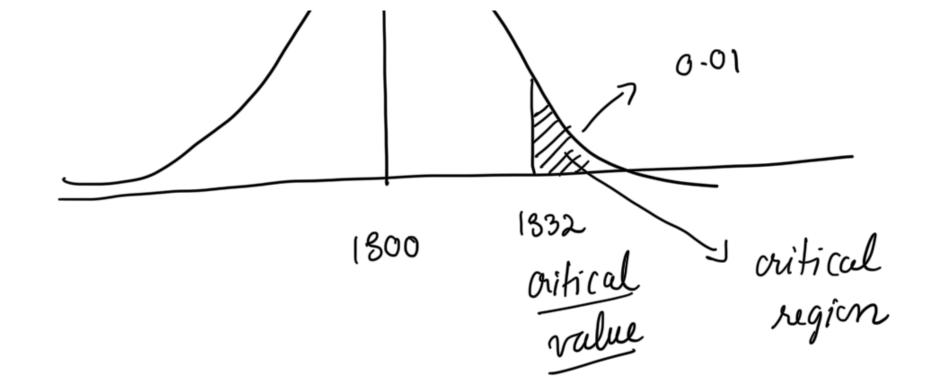
Z-test

chech i) its significant.

Critical value What should be min sales for (50 stres) of firm A, so that we are that tre effect, with Col: 99% p-value cannot le more than [right - tails]

p.value = 1- norm. (df (Z)

$$Z = \frac{(x) - Mm}{6m}$$



$$1350$$
 100
 $d = 0.01$
 $\sqrt{CI} = 1 - 0.01 = 0.99$

Margin of Emor 2 - value at vitical point