

1) Give data

modeled as normal with a mean of 72 bpm.

standard deviation of 10 bpm.

64 regular users - average resting heart is 69 bpm.

a) population mean - 72

sample mean - 64

b) A company claims that its new relaxation app does not reduces the average resting heart rate of its regular users

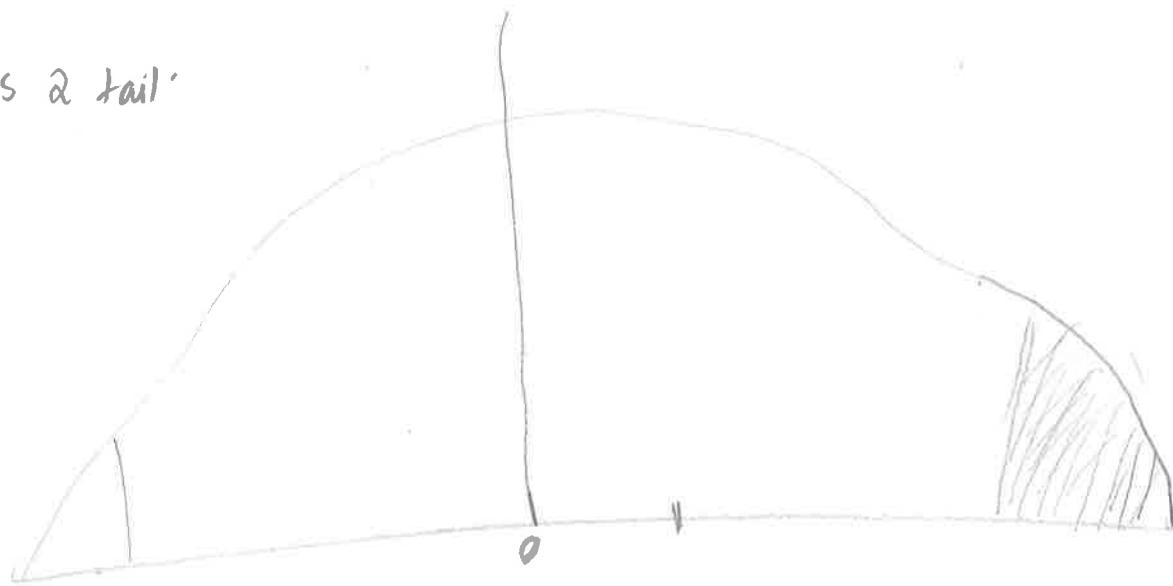
alt - A company claims that its new relaxation app does or not equal reduces the average resting heart rate of its regular users

c) standard error of the sample means. when we get error in our z-score (os) error in the sample if have not proper sample.

d) z-score diff means distance b/w two value
and then take mean of both. we get standard deviation

$$\frac{Z_1 - Z_2}{S_1 + S_2}$$

ex its a tail



2) 20% all incoming

0.9 spam

0.05 not spam

$$P(A|B) = P(A) \frac{P(B|A)}{P(B)}$$

as Spam = 0.9

by incoming 20%

dy higher because the number
of spam is more than the
not spam.

$$\therefore P(A|B) = P(A) \frac{P(B|A)}{P(B)}$$

$$P(A|B) = P(A \cap B)$$

$$P(B|A) = P(A \cap B)$$