

t for a single mean

Psychology 3000
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t -test for a single mean against an arbitrary number

Experimental situation

You must have a number in mind (for whatever reason) that....

For example: Mean temperature....

EXAMPLE: A group of people are functionally blind, but, after extensive examination, there appears to be no physical reason for this blindness. There is a possibility that the blindness is psychological. How might this be measured?

Panel with 6 buttons below six lights

"Press the button below the light."

Scientific Hypothesis:

Non-directional

Therefore H_1 is....

H_0 :

H_1 :

TEST STATISTIC (Formula)

$t =$

$E(M) =$

$M =$

S =

n =

df = DATA

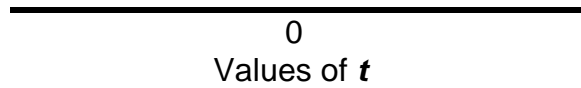
Correct
5
2
6
1
8
0
3
4

$$\sum X = \quad M = \quad S = \quad n =$$
$$\sum X^2 =$$

CALCULATE t FIND Critical Value of t **$\alpha =$** **$df =$**

one- or two-tailed?

DELINEATE REGIONS



DECIDE

Do you Rej H_0 ?

What's your decision mean about PCH of Chance?