

NULL HYPOTHESIS Ho : claim to be feeled

ALTERNATE HYPOTHESIS HA alternative claim that you am

(onsidering

THE SKEPTIC WILL NOT ABANDON HO UNLESS the evidence is STRONGLY in favour of HA.

p-value = 1 (observed a more | Ho is three)

Lo = M > 7

extreme outrome | Ho is three)

Lo = M > 7

cignificance level (1%, 5%, 10%)

P-value of
$$(\bar{x} > 3.2 | H_0 : M = 3)$$
 $\bar{x} \sim N (M = 3, SE = 0.246)$
 $M = 50$
 $\bar{x} = 3.2$

2 value of $\bar{x} = 3.2$ when $\bar{x} \sim N(3, 0.246)$
 $= \frac{3.2 - 3}{0.246}$
 $= 0.81$

promise: for $2 > 0.81$, $p(2 > 0.81) = 0.209$

for $p = 0.209$, there is a 20.9% .

(hance that $\bar{x} > 3.2$)

 $d = 15\%$, $d = 30\%$.

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 $d = 20\%$.

 $d = 30\%$.

