$H_0: p = 0.05$

$H_A: p < 0.05$

Fail to reject the null when it is false

WEDNESDAY, MARCH 6, 2019

Warm-up

- Pick the best answer – justify your response.

A skeptical paranormal researcher claims that the proportion of Americans that have seen a UFO, p, is less than 5%. Identify the Type II error in this context.

A) The error of rejecting the claim that the true proportion is at least 5% when it really is at least 5%.

B) The error of accepting the claim that the true proportion is at least 5% when it is actually less than 5%.

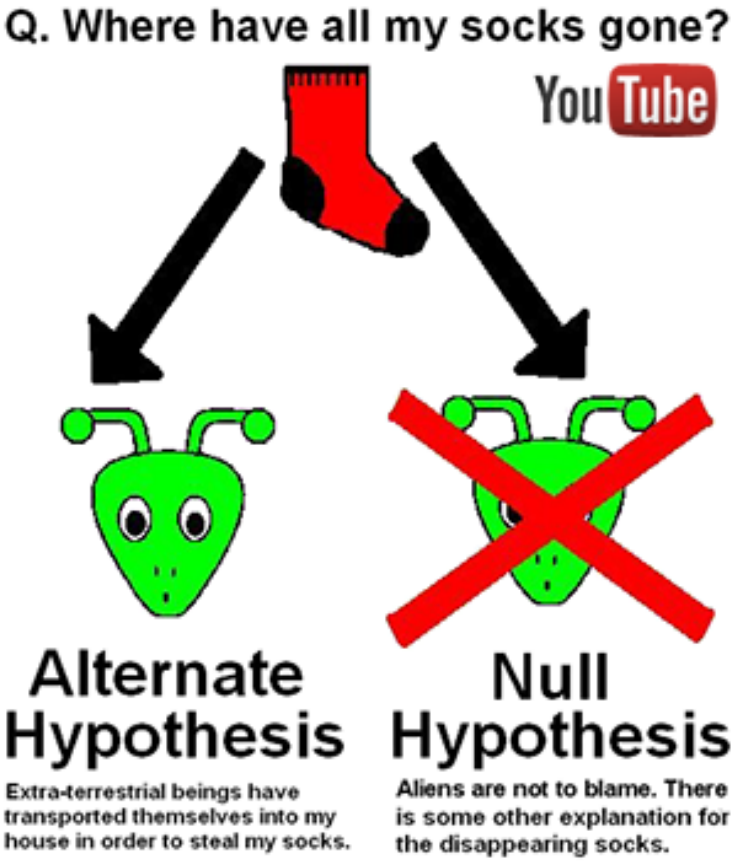
C) The error of accepting the claim that the true proportion is at least 5% when it really is at least 5%.

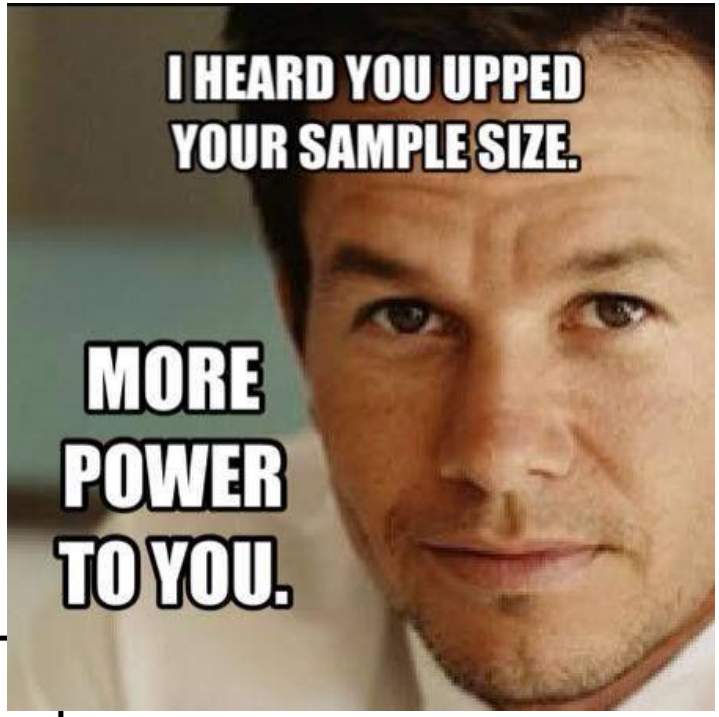
D) The error of failing to reject the claim that the true proportion is at least 5% when it is actually less than 5%.

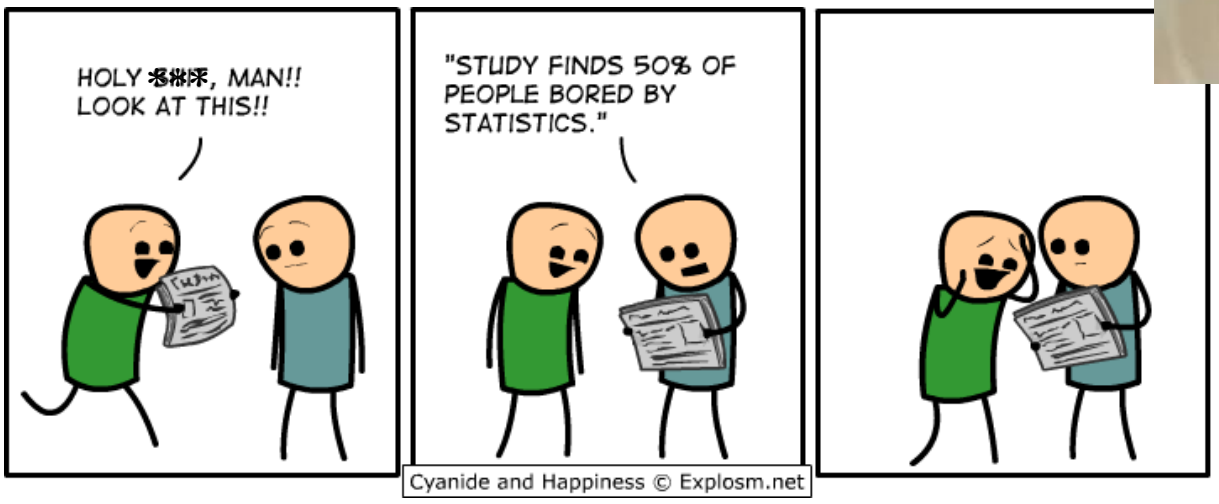
E) The error of rejecting the claim that the true proportion is less than 5% when it really is less than 5%.

TEST

TEST


Q. Where have all my socks gone?
YouTube
Alternate Hypothesis
Extra-terrestrial beings have transported themselves into my house in order to steal my socks.
Null Hypothesis
Aliens are not to blame. There is some other explanation for the disappearing socks.


I HEARD YOU UPPED YOUR SAMPLE SIZE.
MORE POWER TO YOU.


HOLY ****, MAN!! LOOK AT THIS!!
"STUDY FINDS 50% OF PEOPLE BORED BY STATISTICS."
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