

Review for prev. Students
THEORY TESTING
You wish to commune and of 11 in 1 1 1 1 below the hull because
Assume Ha and wait for orbos to displace based on evidence () and second Buda of Park
You wish to convince people of Ha: Alternate Hypotch. When they all believe Ho! null hypoter, Assume Ha and wait for other to displace based on evidence (wield placing of Burden of Proof) Assume Ho and demonstrate contradactory evidence until others reject Ho
It is intellectually honest, which forces you to provide evidence for your claim to convince beyond a sex reasonable doubt. := as level
ARE UFO'S AND ALIENS REAL ?
Ha: They don't exist convene me of the if low a good hea! Don't exist
NOW 1.11 ha wise a li
In our applice roon, we
BHG O # O
Tha: Q = 00 For IF, III we calculate a Bay snew Pull Tha: OLO H: ODO H: ODO H: ODO H: ODO
Tha: 0 20 — Ho: 0 = 0 Prali = P(Holx) L L a deafact of a constraint of a const
Flip a coin 100
Flip a coin 100 times, get 61 heads. Is the corn wieghed? (p= prohibly is corn to continue of the continue of
p(p(x) - 0. () = 5%. Ho: OL. 5 [p= probably is cor
p(O1x) = Beta(61+1, 39+1)
Pual = P(H, 1x) = p/px = 1.) Post computer 1.
Pual = P(HOIX) = P/0=.5/X) = \[\int_{B/62,40}^{0.5} O^{61} (1-0)^{39} do \] \text{computer photo (0.5,62,40)} = 0.014 \(\text{\$\pi\$} \cappa \text{\$\pi\$} \)
we reject to and conclude that I can is well
(W) oH)a
TA OLO,25% then Uber Lines the drover
of the 15 to 191 assur P(Q) = U(0,1) , w = 5%
=> P(O(x)=Beta (38,164) P====================================
If we ask the question "is coin fair" we will end up integrating .5 -3.5, which gives
-Frate of plc P(x=x) for a continuous RV = 0 always. But the can do 2 + hours
Mart ps