## 5 binmary: Respothers testing pera proportion: P.

follow 8 steps.

1		1	1	1	
sters 1-3	step 4	step 5	stop 6	slip 7	step 8.
Ho: P=Po Hy: P>Po	C # 005	Zstat = P-Po Po(1-Ps) Vuder the assumption	P-Value = Shit) P(Z>Z)	reject tho.  Zstat > Za  or  P-value < \alpha	noy technical interpre- tation of stept.
Ho: P=Po Ho: P <po< td=""><td>0.1</td><td>that the to is two it pollows the standard namal distribution.</td><td>P-Value = P(Z &lt; Z stat)</td><td>reject the  zstat &lt;-Za  or  p-value &lt; a</td><td></td></po<>	0.1	that the to is two it pollows the standard namal distribution.	P-Value = P(Z < Z stat)	reject the  zstat <-Za  or  p-value < a	
Ho: P=P=	1		$\frac{\sqrt{2}}{2}$ $\frac{2}{2}$ $\frac$	replication  ZSINT 7 ZX  or ZSINT /  Or  P-Value < 0	

Test of hypothesis for the mean : µ. follow 8 steps.

5 tcps 1	step 4	slep 5	ptep 6	step	step 8
H1: M= N0 H1: M> N0	U\$0054 x.	under the assumption that Ho is twe it follows	p-value = stat p(t>t)	reject the  tstat 7 to  or  produce < 0x.)	make non technica interpre- tation of tept
Ho: M=Mo		the student to distribution unter (n-1) deprees of freedom.	$\frac{1}{-t} \propto 0$	rgeid to testat zita or p-value = a.)	
this M=Mo this Mt Mo			p-value = 2P(t>total)  p-value = 2P(t>total)  p-value = 2P(t <tstal) if="" tstal="">0  p-value = 2P(t<tstal) 0<="" <="" if="" td="" tstal=""><td></td><td></td></tstal)></tstal)>		

Stide 7.

step 1: "the mean amount of steep for admits is tess than

I how's".

M<7

step 2: M>7.

step 3: +1: M < 7

step4: tevel of significance is 0.05. x=0.05

= P(reject to when the tho is twe)

 $\frac{\text{step S:}}{\text{tstat}} = \frac{x - \mu_0}{s/\sqrt{n}} = \frac{6.83 - 7}{1.99/\sqrt{12}} = \frac{-0.2959}{1.99/\sqrt{12}}$ 

tstat has a student t distribution with (n-1) = 11 depress

2.201.

Step 6. cutical meters value is

0.05

-1.796

11 duprees of predom.

 $-t_{x}=-1.796$ 

software

7-value = P(t < -0.2959) = 0.3864

step 7: based on critical value we fail to regret the the. (Successe test).

steps: There is not enough evidence to support the claim that the mean amount of steep for adults is tess than 7 hours.