

₱thus we choose (=5 for P(Type I) = 0.65

Brownial

A place

0.8298

0.3 - B

0 6 187 Court = 1 - B

P(type I Ecros)

, let's make a table of c } B for different values n

n	C	В	4	ĺ
20	9	6,8108	0.0432	Π
46	3	0.7539	0.0419	
(00)	16	0.5693	0.0398	
10	4	0.9500	0-0128	
(0)	3	0.8202	0.672	

A Talle-avay:
Liven d, we can choose n
to affair our forget B lavel.

- · We use the normal approximation via the rentral Limit Theorem to find a method to introlate the N required as the exact test can only yield approximate n's through trial and error.
- · Recall: 6 by the CLT is distributed approximately normal it:

N 0 = 10 and n(1-0) = 10 + 1 kumb rules

· Under Ho: 0 ~ N(0, SE(0) = [00(1.60))

Suppose d=0.03, B=0.1 for o= 16, and M=10, M=11 n=(1.645 + 1.28)2.16

;, n 2 137

What if Mo> M,??

B=1/(Type I Ecror)

= P(X > Mo + 20 150 | M = M1)

= 1- D(Z = Mo- M1)

= 1 - @(28)

& Problems up to 7

(Mo-W1)2