AULA 15 X={X,...Xn g, f(2/0) 9(0) Ho:  $0y(\theta) = y_0$   $1 + 1 : 0y(\theta) \neq y_0$   $1 = 1 - \pi$ W(Z):={ go ~ Sg NAO DESCHOA OOF N HO SE X = >C 4 Pr { g(00) c w(x) (00 > x Syo EDM TESTE DE TANANHO CO. Pr(TER) => Pr(DENO)

1 (S. N RESERAN | 0=05) 1-PM S. MC-JEITAN ) 0-05/ Syo MRETEITA 1+0 Prosported 140 | Desy = profy(OD) ew(X) | Desy go TEX testes en IC Ex: X. ... X. NN(M, 62)  $O = (1,5^{2})$   $\int = (-10,0) \times (0,0)$   $\int \times \int_{0}^{2}$  $\frac{\partial}{\partial x} = \frac{\partial}{\partial x} = \frac{\partial}$  $\mathcal{I}(X) = (A(X), B(X))$ 

$$g(M_0) \in W(z)$$

$$\Rightarrow N \text{ MESCITO}$$

$$H_0$$

$$M_0 \in (a(x), b(x))$$

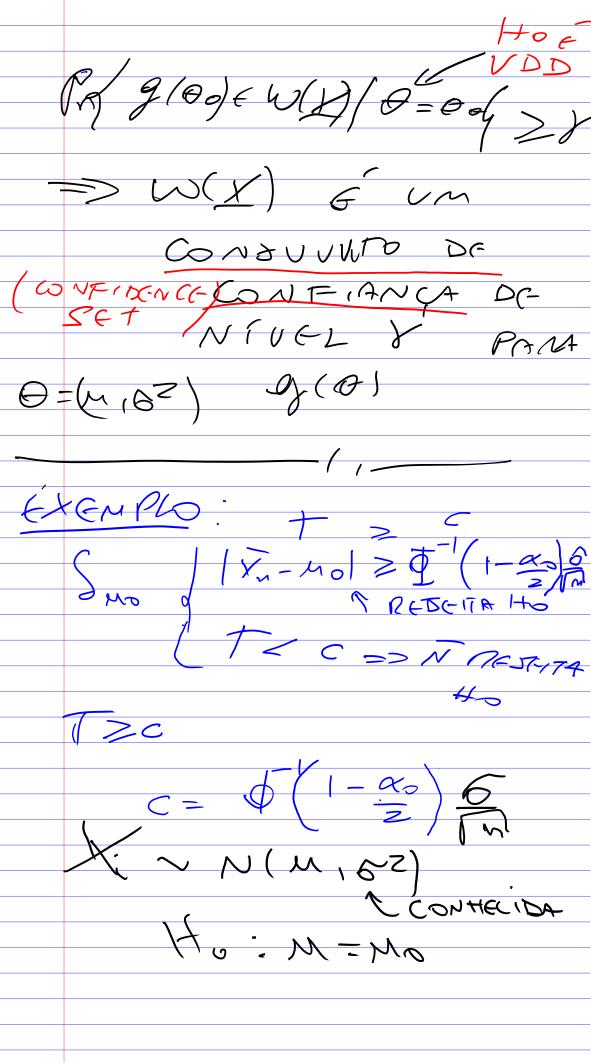
$$M \in (7.1, 10.2)$$

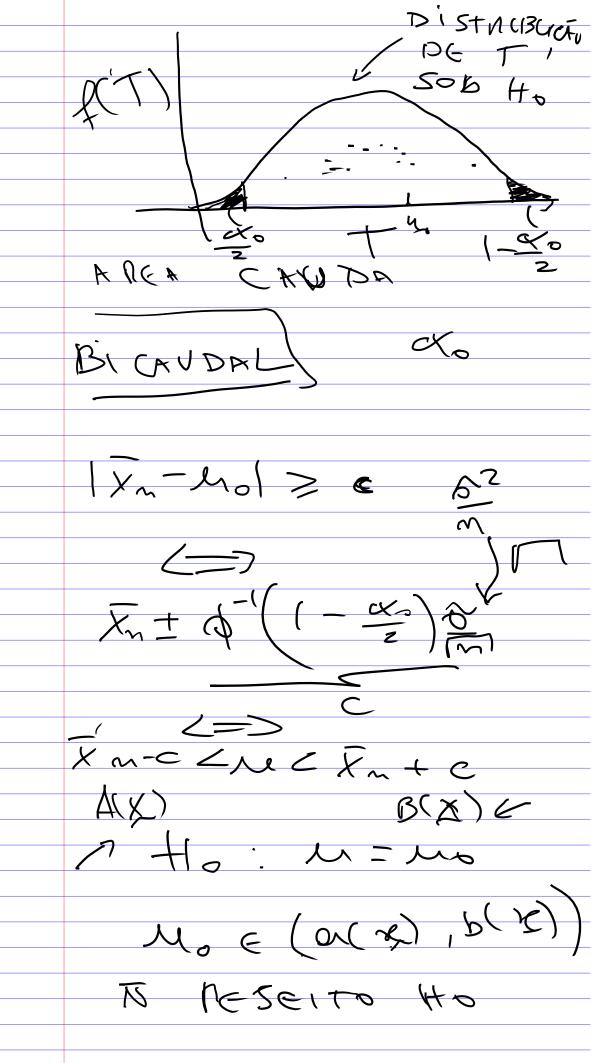
$$H_0: M = M_0$$

$$H_1: M \neq M_0$$

$$A = 1 - a_0$$

$$0.95 = 2 - 1 - a_0$$



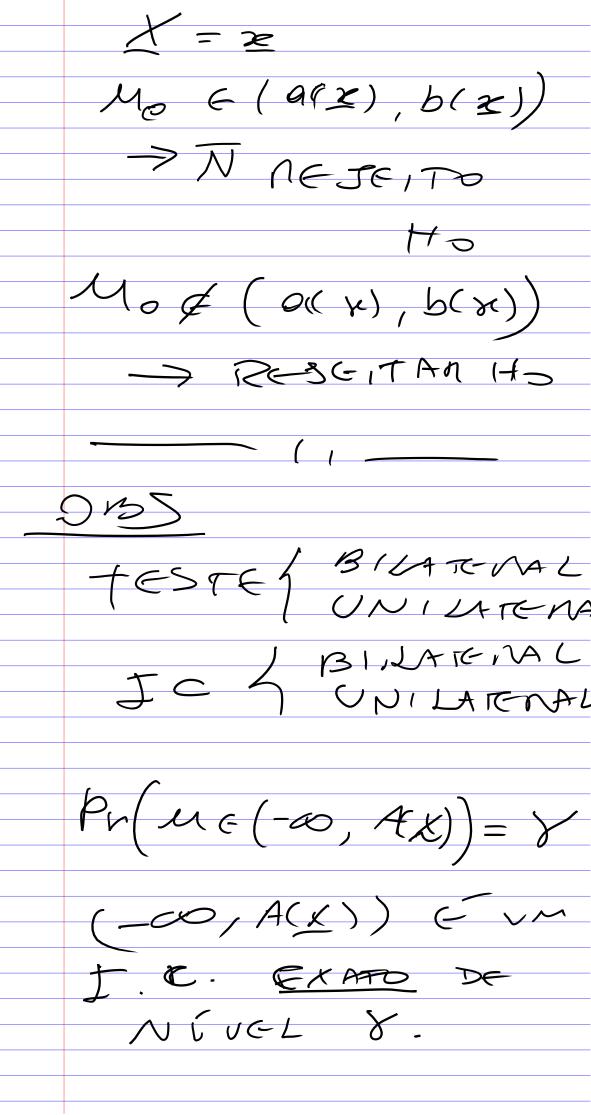


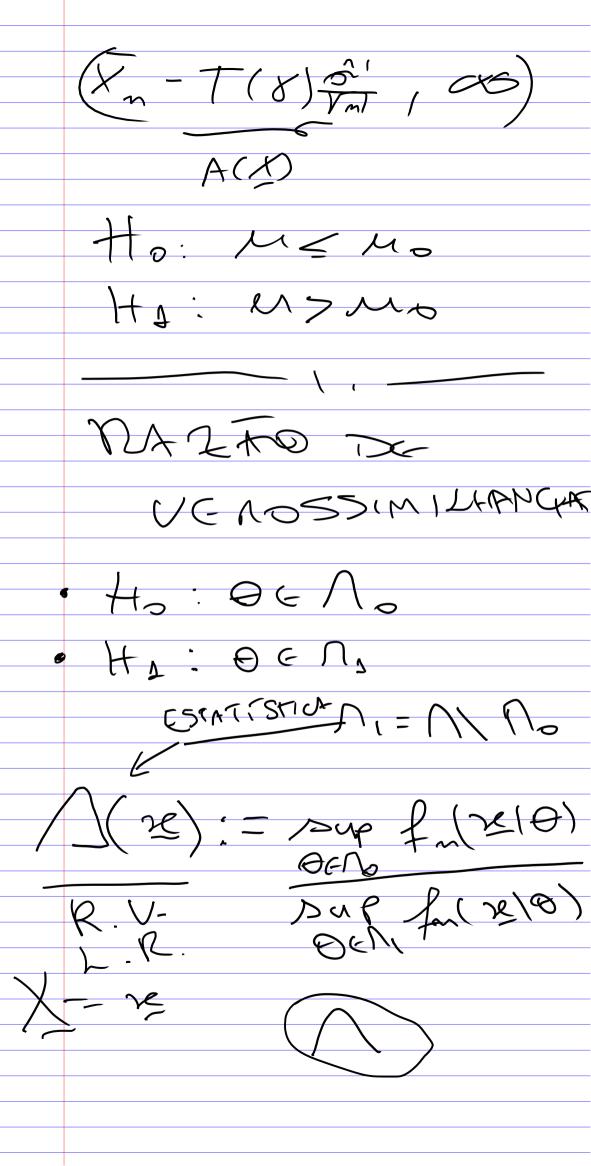
Mo ( (2) 16(2)) REJETTO HO Y => 0 = 1-8 EXEMPLO

X: N(M, 52)

To S(MPLES

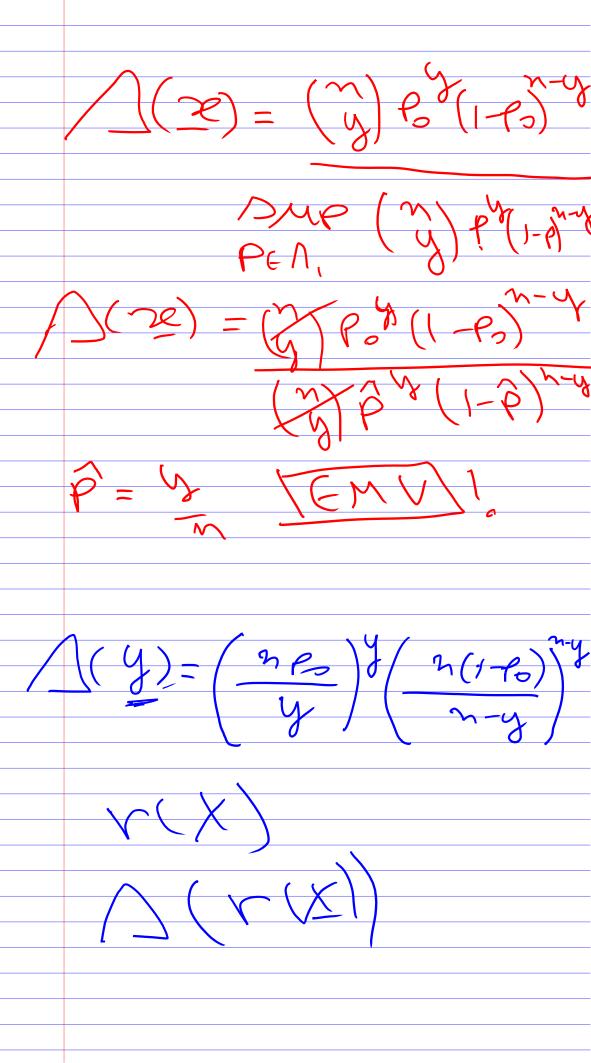
To F (1+ x = n-1)  $P(X) = X_m - T_{\frac{6}{m}}$ · B(X) = xm++621 I(X) = ((K), B(X))  $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum (x_{i} - x_{n})^{2}}{m - a}\right)^{2}$   $\frac{\partial^{2}l}{\partial x^{2}} = \left(\frac{\sum ($ 

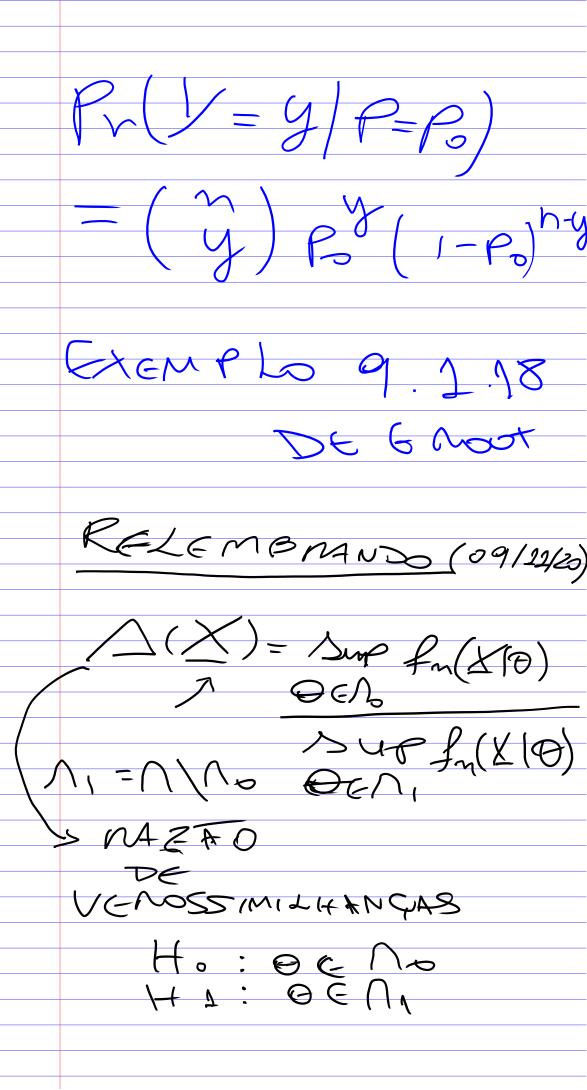




SK: RESCITA HO  $\sqrt{(2)} \leq K$ Se /2(2c) > K CNFS NA RCJUPO Ho Sh & UM TESTE DE NARRO DE VENOSSIMILLANGE SK TEM FAMANHO K(45)

EXEMPLO X. ~ BERNOULLI(P) 1 = 2 X:~BIN(M,P)  $Pr(Y=y)=(y)py(1-p)^{n-y}$ In(2/4)-1,(4) HIPSTESE/ Ho: P=Po H 1 . P 7 Po Do = JPo ( D= (0,2)/40 (2e) - Dup In(2e/P) Pero Sup In (2e/P) PCM





Sc: (x) < C => MEJEITO HO S(X)>C => NA VIESCHO ASSINTÓTICO A FUCLIDEAND Ho: Of= (2)  $E_{X}: H_{3}: \Theta_{\underline{A}} = \Theta_{0}^{(1)}$   $\Theta_{2} = \Theta_{0}^{(2)}$ 0=14,62). (-00,00) x(0,00) Ho: M=Mo. 51-62.

ASTUMINADO HO VERDATIONA -Z Lug (XX) n > 2 (K) GX: P=P= (40) P = P= (40) K=1 O=P- Zha / XX) - 200 (1) M >>> 3000 DE GROOT, Thm

914

WILUS, 19138

TESTE NAJ-VIESATOO SÉNEDO S- 0 e/ 0 2 (9 'E/) VALE

TT(018) = TT(018)

T(018) = Pr(RESTITALIO) Sc: T>C 11(018c) = (v(t >c(0) teste t sevia 9.5 (DE STOWNT) X: ~N (M, SZ) (W=?, He: M < M-H1: M>Mo

$$O = (-\infty, 0) \times (0, \infty)$$

$$O = (-\infty, \infty) \times (0, \infty)$$

$$Mo M$$

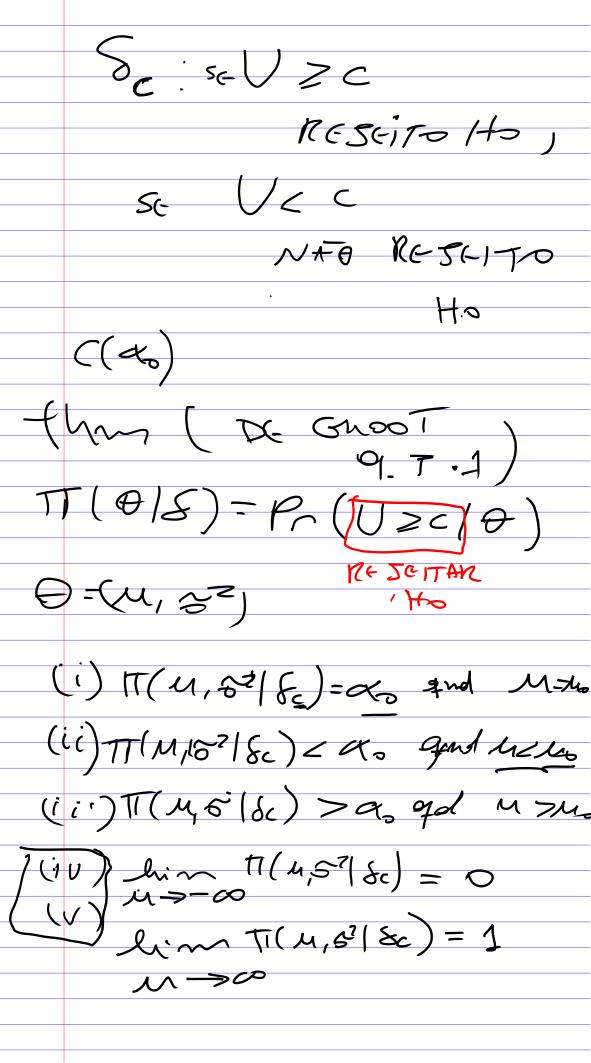
$$Mo M$$

$$O = (-\infty, \infty) \times (0, \infty)$$

$$Mo M$$

$$O = (-\infty, \infty) \times (0, \infty)$$

Me Pr(AC) Low B(X)



$$U = U' - W$$

$$T(\theta|S_c) = Pr(U > c|\theta)$$

$$= Pr(U - W > c|\theta)$$

$$= Pr(U > W + c|\theta)$$

$$U_n T(n-2)$$

$$Pr(U > W + c|\theta)$$

$$= Pr(U > c|\theta) < Q_n$$

$$Pr(U > W + c|\theta) < Q_n$$

$$Pr(U > C|\theta) < Q_n$$

$$M < M_0$$

