AULA 4 PRIDRIS CONSUGATAS

$$X_{i} \sim \mathcal{B}(P)$$

$$\chi_{i} \sim \mathcal{$$

MRATANDO WIADO V Amos MANSFORMAR ax2+bx+c

F M

$$a(x-h)^2 + k$$

$$a(x^2-2hx-h^2)+k$$

$$ax^2-2hax-h^2+k$$

$$ax^2+bx+c$$

りープ

· K = C+h2 - C+ b

APLICADIONICADI DISTRIBUIÇÃDI NORMAL

 $\frac{1}{2}\left(\chi_{1}-\theta\right)^{2}=$

$$= \sum_{i=1}^{n} (x_i^2 - 20x_i + 0)$$

$$= \sum_{i=1}^{n} x_i^2 - 20\sum_{i=1}^{n} x_i + n0^2$$

$$+ POLIMOMIO$$

$$+ MA$$

 $\eta\theta^2 - 25\theta + S_2$

か(サーカ)ナベ C.R. -/2/5 + 2/n n(9-13)+K

$$\frac{1}{n} = \frac{2}{n} \frac$$

102 A~ N(Mo, 162) VARIANCE

E[[(0,a) | 35] =

$$= \int_{\Lambda} L(\theta, \alpha) \mathcal{E}(\theta | \mathbf{x}) d\theta$$

$$= \int_{\Lambda} L(\theta, \alpha) \mathcal{A}(\mathbf{x} | \theta) \mathcal{E}(\theta) d\theta$$

$$= \int_{\Lambda} L(\theta, \alpha) \mathcal{A}(\mathbf{x} | \theta) \mathcal{E}(\theta) d\theta$$

$$S(x) = E(\theta|x)$$

$$\int \theta \, \mathcal{E}(\theta|x) \, d\theta$$

/ L

S'= E[O]

PERTA FIBSOLUTA E[[10-8]]= 10-51E(012)do $= \frac{8}{(S-\theta)} \varepsilon(\theta|x)d\theta +$

-00 (θ-5) ε(θ)2)dθ 7 52 LEIBNITZ $\phi(a) = \int_{f(x,a)}^{f(x,a)} dx$ Jet (a,x) dx d(a) =

$$\frac{E[L(\theta,s)|x]}{E[L(\theta,s)|x]} = \frac{dJ_{1}}{ds} + \frac{dJ_{2}}{ds}$$

8-41814 dII = \(\sigma \text{1 dF + (6'-8').1} = [8 | dF 152 = - (1) dF

d E[L(A,S) 13)_

F(4) X 100= BEGIANA

SEA MEDIANA