AVA3
CSTATISTIA
BAYESIANA.

EX: X OÉ VMA V.A. E[0] = =  $\theta \in (0, \infty)$ GAMA

()~ (f/W)

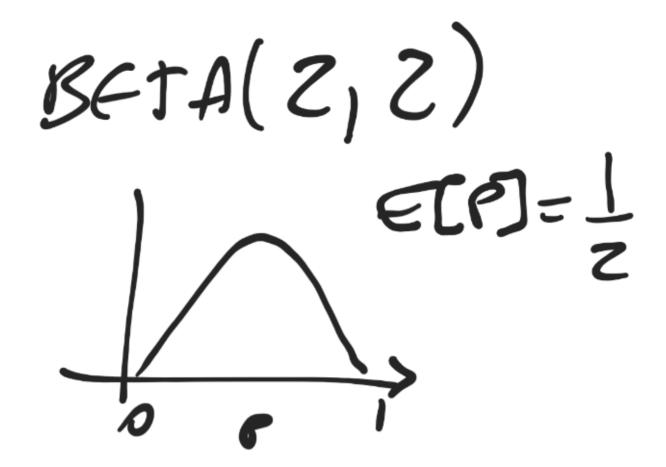
$$\mathcal{E}(\theta) = \frac{\beta^{\alpha}}{\beta^{\alpha}} \frac{\partial^{\alpha} - \beta^{\beta}}{\partial z^{\alpha}}$$

$$\mathcal{E}[\theta] = \frac{\alpha}{\beta^{\beta}} = \frac{1}{z}$$

$$Von(\theta) = \frac{\beta^{\alpha}}{\beta^{\beta}} = \frac{1}{z}$$

$$Von(\theta) = \frac{\beta^{\alpha}}{\beta^{\alpha}} = \frac{1}{$$

P(B) ( 0 - 10 - 1)
P(B) Núcleo



DETERMINAR E(O) PARTIMETER

ELIC ITAR

X: AZTURA  $f(\infty; | \theta, 10) = Normal$   $\theta, 10$ E(O) = NOMAZ(MO,5°) JUPITEN

7-{X1X121 ((b)= 1/2 (x) 1/3 (3) 1/2 Maj usi HIREA PANAMETROS Ux~/V(0,1)

EXEMPLO Tempo Dur. CX, B - HIPER PARAMEN

BERNSTEIN-VON MISES TEDREMA.

teonema s

110

f(x1, x2, ..., 2, 10) = f(x, 10) f(x2/0). P(2010) \$(x, x, ..., x, 10) = TT f(nila) f(X(0) E(0) PIXA)

$$g(x) = \int_{Consume} (x, \theta) d\theta$$

$$\mathcal{E}(\theta) \propto f(\chi, \theta)$$

$$g(\chi)$$

$$\mathcal{E}(\theta) = \mathbf{e} \theta^{1-1} \mathcal{E}^{2\theta}$$

$$E[\theta|\chi] = \frac{m+z}{s+z}$$

(y) to (1-0) n-13

A

y= Z X: 1(A) = 1(A; y) A (1-0) n-4 HPOSTERIORI

PRIDKI DK AMANHA. · EMINT.
BANES HAND JOPAS

-17 INFERENCIAS SM FEITAS A PARTIR DIE(A/2) TRINCIPIO TE VEDOMSSIM LAHANGA 2(0;x)

\$\frac{1}{2}, \frac{1}{2}, ... \frac{1}{2}\tag{9} MOTELO PAR STOBBING KULESK