Shubham Sletty.



Tutorial-6

$$= (1-\lambda)^{\kappa} \cdot \lambda$$

$$S = \lambda \times 1 + (1-\lambda) \cdot (S+1)$$

62)

(9)
$$VOM(x) = E[(x - E(x))^2]$$

Now,

$$= E[x^2] - 2E[x]^2 + E(x)^2$$

$$= E[a^{2} + 2abx + b^{2}x^{2}]$$

$$= a^{2} + 2ab E(x) + b^{2} E(x^{2})$$

$$= a^{2} + b^{2}$$

$$Van(4) - E[y^2] - E[y]^2$$

= $a^2 + b^2 - a^2$
= b^2

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TOUTH.

(b)
$$BP(A|B) = P(A,B) = P(A|B)P(A)$$

$$P(B)$$

Charle Ages 14673