独立性 P(BIA)-P(B) rt書ct3.

確美褒數

N' (TaFI P(ALB) = P(A)P(B(A) = P(A)P(B(A)+P(B(A))P(B) 事後醒率 d AD 原因 此结果

 $P(x) = P(X = x) \qquad \mathcal{M} = E[x] = \sum_{x} x P(x)$

 $E[q(x)] = \frac{1}{x} g(x) p(x)$

確率関数 σ'= V[x] = [[x-μ²]= = [x-μ²ρ(x)

 $= \int_{\Sigma} \chi^{2} \rho(x) - 2\mu \sum_{k} p(k) + \mu^{2} \sum_{k} \rho(k)^{2} = \sum_{k} [\chi^{2}] - \mu^{2}$ $= \int_{\Sigma} \chi^{2} \rho(x) - 2\mu \sum_{k} p(k) + \mu^{2} \sum_{k} \rho(k)^{2} = \sum_{k} [\chi^{2}] - \mu^{2}$

確認度関数: $f(z) = \lim_{0 \to \infty} \frac{P(x < x \le x + e)}{e}$

$$E[x] = \int_{-\infty}^{\infty} x + (x) dx , \quad V[x] = \int_{-\infty}^{\infty} (x - \mu l^2 + (x) dx$$

$$[1] 0.680.4 + 0.4 \times 0.5 = 0.44$$

$$[3] 0.4 \times 0.5 = 0.44$$

$$\begin{bmatrix} 2 \end{bmatrix} \quad 0.440.5 = 0.44 \\ \hline 0.44 = 44 = 0.44 \\ \hline 0.44 = 0.44 = 0.44 \\ \hline 0.44$$

$$P(x=1)=P(x=2)=\frac{1}{6}$$

$$P(x=3)=\frac{2}{3}$$

$$E[X] = \frac{1}{5} 2 \cdot P[X] = 1 \times \frac{1}{5} + 2 \times \frac{1}{5} + 3 \times \frac{2}{3} = \frac{1 + 2 + 12}{6} = \frac{15}{6} = \frac{5}{2}$$

$$V[X] = E[X^2] - W^2 = 1 \times \frac{1}{5} + 4 \times \frac{1}{5} + 9 \times \frac{4}{5} - \frac{25}{3} = \frac{1 + 4 + 36}{6} = \frac{25}{6}$$

$$V[x] = E[x^{2}] - \mu^{2} = 1x^{2} + 4x^{2} + 9x^{2} = \frac{144+36}{6} - \frac{25}{4}$$

$$V[x] = E[x^{2}] - \mu^{2} = 1x^{2} + 4x^{2} + 9x^{2} - \frac{25}{4} = \frac{144+36}{6} - \frac{25}{4}$$

$$\sqrt{[x]} = E[x^2] - \mu^2 = 1x6 + 4x6 + 9x6 - \frac{2t}{4} = \frac{1+4+36}{6} - \frac{2t}{4}$$

$$= \frac{62 - 75}{12} = \frac{7}{12}$$
(1.3), (2.3), (3.3)

$$4 \times \left(\frac{1}{6} \times \frac{2}{3}\right) + \frac{4}{9} = \frac{8}{9}$$