

畢業 B0729029

$$f(x) \begin{cases} x=0 & b(0, 1, \frac{1}{10}) \approx 0.3489 \\ b(1, 0, \frac{1}{10}) \approx 0.3879 \\ x=1 & b(1, 0, \frac{1}{10}) \approx 0 \end{cases}$$

$$E(X) = 10 \cdot \frac{1}{10} = 1 = np$$

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$$\sigma = \sqrt{\frac{9}{10}} = 0.9487$$

$$T_1 = \sum_{x=0}^{10} (x+10, \frac{10-x}{10})$$

$$q = (5, 1, 0, 0)$$

$$f_Y(10) = 5.779e^{-14}$$

$$f_v(x) = \begin{cases} f_v(0) = 0,2200 \\ f_v(1) = 0,4089 \end{cases}$$

$$f_Y(b) = 3$$

$$f(y(12)) = 0.2015 \quad f(y(18)) = 1.0411e$$

5. Y2期2

个之标准

(請翻面繼續作答)

$$(1) f(w) = P(100, 1) = \frac{e^{-1} 1^{100}}{100!} = 3.9419 \times 10^{-157}$$

$$(2) \quad E[\infty] = \lambda t - 100 \times 1 = 100$$

$$\frac{u = \sigma^2 = 100}{E[w] + \sigma^2(w) = 100 + 10 = 110}$$

$$(11) \quad P(X \geq 9) = 1 - \sum_{x=0}^8 \binom{10}{x} (0.05)^x (0.95)^{10-x}$$

$$X = 0, 1, 2, 3, \dots, 9$$

2). A jury would suspect the claim isn't correct because a correct claim probability of having a defective item in a sample is 1.635×10^{-4} and event would occur only 1.635% of time.

4. $\frac{1}{2} \Delta x \Delta t = n \times \Delta t = nP$

$$\frac{n!}{n!(1-p)^{n-x}}$$

$$M(h+1)(h-2) - (h-2)(h-1) \left(\frac{M}{h-1} \right)^2$$

$$x = \frac{1}{1 - \frac{1}{y}} = \frac{y}{y-1}$$

$$+ \frac{1}{n} \log(1 + \frac{1}{n})$$

$$= (1 - \frac{1}{n})((1 - \frac{1}{n})^2 - 1) +$$

$$\partial f_w(\frac{w}{\|w\|} - 1)$$

(請翻面繼續作答)